



# **Big Spring Cyber High School Course Catalogue 2019-2020**

# Big Spring High School Graduation Requirements

Utilizing **Career Pathways** and **Core Course Competencies**, Big Spring High School is dedicated to combining academic excellence and hands-on learning to provide a comprehensive, **personalized**, and well-rounded college and career program for all of its students. This individualized plan will allow the student to obtain a high school diploma that meets the needs of each student's post-secondary plan while earning the **required 28.0 credits for graduation**.

## 9<sup>th</sup> Grade

Students are required to complete a minimum of 1 credit in each of the following courses: English, Social Studies, Science, and Math. They are also required to complete ½ credit of Pe/health.

\*Students may meet the following competencies during this year: Arts/Humanities, Communications, Digital Literacy, and Project Based.

English
Math
Science
Social Studies
Pe/Health
Elective courses in student's Pathway and/or Competencies
Completion of Keystone Exam (Algebra I and Biology)



## 10<sup>th</sup> Grade

Students are required to complete a minimum of 1 credit in each of the following courses: English, Social Studies, Science, and Math. They are also required to complete ½ credit of Pe/health. During this year, students will **develop** their **personalized plan** which will be implemented in 11<sup>th</sup> and 12<sup>th</sup> grade.

\*Students may meet the following competencies during this year: Arts/Humanities, Communications, Digital Literacy, and Project Based.

English
Math
Science
Social Studies
Pe/Health
Elective courses in student's Pathway and/or Competencies*
Completion of Keystone Exam (Literature)

## 11<sup>th</sup> Grade

Students are able to create **personalized learning paths** to include the completion of Career Project Seminar, ½ credit of pe/health (11<sup>th</sup> or 12<sup>th</sup> grade), 8 additional Core Credits and 10 Competencies which can be met with core cores, electives and/or pathway electives, career internships and work experience.

Career Project Seminar
Pe/Health (11 <sup>th</sup> or 12 <sup>th</sup> grade)
Completing some of the 8 additional Core Credit Requirements
Completing Elective courses in student's Pathway and/or Competencies



## 12<sup>th</sup> Grade

Students will **continue** to create and **finalize** their **personalized learning paths** to include the completion of Personal Finance, the remainder of their 8 additional Core Credits and 10 Competencies. These can be met with core cores, electives and/or pathway electives, career internships and work experience.

Personal Finance
Completing the remainder of the student's 8 Core Credit Requirements
Completing the remainder of Elective courses in the student's Pathway and/or Competencies
Pe/Health (if needed)

# Personalized Diploma Tracking Sheet

STUDENT NAME: \_\_\_\_\_ ADVISOR: \_\_\_\_\_ CAREER GOAL: \_\_\_\_\_

## Grade 9/10

- 2 English \_\_\_\_\_
- 2 Social Studies \_\_\_\_\_
- 2 Science \_\_\_\_\_
- 2 Math \_\_\_\_\_
- 2 PE/Health \_\_\_\_\_
- Keystone Exams (completed)  Algebra  Biology  Literature

## Grade 11/12

\_\_\_ Personal Finance \_\_\_ Career Project Seminar \_\_\_ 8 Career Artifacts in Naviance (grades 9-11)

8 Core/Program Credits

\_\_\_\_\_

\_\_\_\_\_

**Requirements below met by the Core and/or Electives. (No double dipping between competencies)**

- Wellness: \_\_\_\_\_  Project Based\*: \_\_\_\_\_
- Global Studies: \_\_\_\_\_  Literature: \_\_\_\_\_
- Research Writing: \_\_\_\_\_  Art & Humanities\*: \_\_\_\_\_
- Lab Science: \_\_\_\_\_  Digital Literacy\*: \_\_\_\_\_
- Numerical Analysis: \_\_\_\_\_  Communications\*: \_\_\_\_\_

### ***Optional Distinguished Diploma (course earned in grades 9-12)***

- 2 world language credits (same language at High School)  
\_\_\_\_\_
- 3 AP courses/PSU Cohort/Ship Start  
\_\_\_\_\_
- 5 additional Honors/AP/Dual Enrollment Courses  
\_\_\_\_\_

- 
- Internship, Capstone or Certificate \*
  - 150 Citizenship Hours: school related, community related, career related (Tracking sheet)

## Course Offerings by Department

### Agriculture Courses

*Course descriptions begin on page 11*

Agriscience 1: Introduction	EDynamic
Agriscience 2a: Introduction	EDynamic
Agriscience 2b: Sustaining Human Life	EDynamic
Animal Systems Comprehensive	Odysseyware
Biotechnology 1a: Introduction	EDynamic
Biotechnology 1b: Unlocking Nature's Secrets	EDynamic
Forestry and Natural Resources	EDynamic
Principles of Agriculture, Food and Natural Resources 1a: Introduction	EDynamic
Principles of Agriculture, Food, and Natural Resources 1b: From Farms to Energy	EDynamic
Veterinary Science: The Care of Animals	EDynamic

### Art Courses

*Course descriptions begin on page 15*

Art History 1a: Introduction	EDynamic
Art History 1b: Art in World Cultures	EDynamic
Art History Comprehensive	Odysseyware
Digital Arts Comprehensive	Odysseyware
Digital Photography 1a: Introduction	EDynamic
Digital Photography 1b: Creating Images with Impact	EDynamic
Digital Photography 2a: Introduction	EDynamic
Digital Photography 2b: Discovering Your Creative Potential!	EDynamic

### Business Courses

*Course descriptions begin on page 18*

Advertising and Sales Promotion	EDynamic
Business Computer Information Systems Comprehensive	Odysseyware
Entrepreneurship 1a: Starting Your Business	EDynamic
Entrepreneurship 1b: Starting Your Business	EDynamic
Essentials of Business Comprehensive	Odysseyware
Essentials of Communication Comprehensive	Odysseyware
Game Design 1a: Introduction	EDynamic
Keyboarding and Applications Comprehensive	Odysseyware
Office 2013 Applications I Comprehensive	Odysseyware
Office 2013 Applications II Comprehensive	Odysseyware
<b>Personal Financial Literacy Comprehensive -- Graduation Requirement</b>	Odysseyware

Restaurant Management	EDynamic
Small Business Entrepreneurship Comprehensive	Odysseyware
Sports and Entertainment Marketing 1a: Introduction	EDynamic
Sports and Entertainment Marketing 1b: Going for Gold	EDynamic

## English Language Arts Courses

*Course descriptions begin on page 25*

AP English Language and Composition	AccelerateEd
AP English Literature & Composition	AccelerateEd
Creative Writing 1a: Introduction	EDynamic
Creative Writing 1b: Unleashing the Core of Your Imagination	EDynamic
English I Comprehensive	Odysseyware
English II Comprehensive	Odysseyware
English II Foundations	Odysseyware
English III Comprehensive	Odysseyware
English III Foundations	Odysseyware
English IV Comprehensive	Odysseyware
English IV Foundations	Odysseyware
Gothic Literature: Monster Stories	EDynamic
Journalism 1a: Introduction	EDynamic
Journalism 1b: Investigating the Truth	EDynamic
Media Studies Comprehensive	Odysseyware
Mythology and Folklore: Legendary Tales	EDynamic
Public Speaking 1a: Introduction	EDynamic
Public Speaking 1b: Finding Your Voice	EDynamic
Reading and Writing for a Purpose	EDynamic
The Lord of the Rings: An Exploration of the films and their Literary Influences	EDynamic
Theater, Cinema & Film Production 1a: Introduction	EDynamic
Theater, Cinema, and Film Production 1b: Capturing Your Genius	EDynamic

## Health & Physical Education Courses

*Course descriptions begin on page 35*

Health 1: Life Management Skills	EDynamic
<b>Health Education Comprehensive -- Required 9<sup>th</sup> Grade</b>	Odysseyware
Health Science 1a: Introduction to the Whole Individual	EDynamic
Health Science 1b: The Whole Individual	EDynamic
Health Science 2a: Introduction	EDynamic
Health Science 2b: Patient Care and Medical Services	EDynamic
Health Science: Public Health	EDynamic
Nursing 1b: Developing Your Skills	EDynamic
Nutrition and Wellness 1a: Introduction	EDynamic
Nutrition and Wellness 1b: Choosing Your Health	EDynamic
Peer Counseling	EDynamic
Personal & Family Living Comprehensive	Odysseyware
<b>Personal Fitness -- Required 10<sup>th</sup> Grade</b>	EDynamic
Physical Education Comprehensive	Odysseyware
Physical Fitness Comprehensive	Odysseyware

Public Health 1b: Global Concerns  
Real World Parenting

EDynamic  
EDynamic

## Mathematics Courses

*Course descriptions begin on page 43*

Algebra II Comprehensive  
Algebra II Foundations  
AP Calculus (AB)  
AP Calculus (BC)  
Consumer Math Comprehensive  
Geometry Comprehensive  
**Keystone Algebra I Comprehensive -- Required 9th Grade**  
Pre-Calculus Comprehensive  
Trigonometry Comprehensive

Odysseyware  
Odysseyware  
AccelerateEd  
AccelerateEd  
Odysseyware  
Odysseyware  
Odysseyware  
Odysseyware  
Odysseyware

## Music Courses

*Course descriptions begin on page 47*

Music Appreciation Comprehensive  
Music Appreciation: The Enjoyment of Listening  
Music Theory Comprehensive

Odysseyware  
EDynamic  
Odysseyware

## Science Courses

*Course descriptions begin on page 49*

AP Biology  
AP Chemistry  
AP Physics 1  
Astronomy 1a: Introduction  
Astronomy 1b: Exploring the Universe  
Chemistry Comprehensive  
Earth Science Comprehensive  
Environmental Science Comprehensive  
Forensic Science 1: Secrets of the Dead  
Forensic Science 2: More Secrets of the Dead  
Forensics 1a: Introduction to the Forensic Scene  
Forensics 1b: The Science of Crime  
Integrated Physics and Chemistry Comprehensive  
**Keystone Biology Comprehensive -- Required 9th Grade**  
Marine Science 1a: Introduction  
Marine Science 1b: Secrets of the Blue  
Physics Comprehensive

AccelerateEd  
AccelerateEd  
AccelerateEd  
EDynamic  
EDynamic  
Odysseyware  
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Odysseyware  
Odysseyware  
EDynamic  
EDynamic  
Odysseyware

## Social Studies Courses

*Course descriptions begin on page 56*

African American History 1a Introduction  
African American History 1b: From Reconstruction to Today  
AP Comparative Government and Politics Comprehensive  
AP European History

EDynamic  
EDynamic  
Odysseyware  
AccelerateEd

AP Human Geography Comprehensive	Odysseyware
AP United States History	AccelerateEd
AP US Government and Politics	AccelerateEd
AP World History	AccelerateEd
Archaeology: Detectives of the Past	EDynamic
Civil War Comprehensive	Odysseyware
Economics Comprehensive	Odysseyware
<b>Government Comprehensive -- Required 10th Grade</b>	Odysseyware
History of the Holocaust 1a: Introduction	EDynamic
History of the Holocaust 1b: Enduring Legacy	EDynamic
Hospitality and Tourism Traveling the Globe	EDynamic
Hospitality and Tourism 2a: Hotel and Restaurant Management	EDynamic
Hospitality and Tourism 2b: Hotel and Restaurant Management	EDynamic
Human and Social Services 1a: Introduction	EDynamic
Human and Social Services 1b: Working with Individuals and Families	EDynamic
Human Geography: Our Global Identity	EDynamic
International Business: Global Commerce in the 21st Century	EDynamic
Introduction to Philosophy: The Big Picture	EDynamic
Law and Order: Introduction to Legal Studies	EDynamic
Macroeconomics AP Comprehensive	Odysseyware
Military Careers: Introduction	EDynamic
National Security	EDynamic
Personal Psychology 1: The Road to Self-Discovery	EDynamic
Personal Psychology 2: Living in a Complex World	EDynamic
Principles of Public Service 1a: Introduction	EDynamic
Principles of Public Service 1b: To Protect and Serve	EDynamic
Psychology Comprehensive	Odysseyware
Social Media 1a: Introduction	EDynamic
Social Media 1b: Our Connected World	EDynamic
Social Problems 1: A World in Crisis	EDynamic
Social Problems 2: Crisis, Conflicts, and Challenges	EDynamic
Sociology 1: The Study of Human Relationships	EDynamic
Sociology 2: Your Social Life	EDynamic
<b>US History: Foundations to Present Comprehensive - Required 9th Grade</b>	Odysseyware
US History: Reconstruction to Present Comprehensive	Odysseyware
Vietnam Era Comprehensive	Odysseyware
Women's Studies: A Personal Journey Through Film	EDynamic
World Geography Comprehensive	Odysseyware
World History Comprehensive	Odysseyware
World Religions 1a: Introduction	EDynamic
World Religions 1b: Exploring Diversity	EDynamic

### Technology Education Courses

*Course descriptions begin on page 73*

Concepts of Engineering and Technology	EDynamic
Cybersecurity 1a: Foundations	EDynamic
Cybersecurity 1b: Defense Against Threats	EDynamic
Manufacturing 1a: Introduction	EDynamic



Manufacturing 1b: Product Design and Innovation	EDynamic
Renewable Technologies 1a: Introduction	EDynamic
Renewable Technologies 1b: Sustainable Energy	EDynamic
STEM and Problem Solving Comprehensive	Odysseyware
Technology and Business Comprehensive	Odysseyware
Technology and Research Comprehensive	Odysseyware

### World Language Courses

*Course descriptions begin on page 78*

French I Comprehensive	Odysseyware
French II Comprehensive	Odysseyware
Spanish I Comprehensive	Odysseyware
Spanish II Comprehensive	Odysseyware
Spanish III Comprehensive	Odysseyware

### Other Elective Courses

*Course descriptions begin on page 81*

American Sign Language 1a: Introduction	EDynamic
American Sign Language 1b: Learn to Sign	EDynamic
American Sign Language 2a: Communicating	EDynamic
American Sign Language 2b: Advancing Communication Skills	EDynamic
Anthropology 1: Uncovering Human Mysteries	EDynamic
Business Law Comprehensive	Odysseyware
<b>Career Management Comprehensive – Graduation Requirement</b>	Odysseyware
Careers in Allied Health Comprehensive	Odysseyware
Careers in Criminal Justice 1a Introduction	EDynamic
Careers in Criminal Justice 1b: Finding Your Path	EDynamic
Careers in Marketing Research Comprehensive	Odysseyware
Coding 1a: Introduction to Programming	EDynamic
Coding 1b: Programming	EDynamic
Cosmetology 1a: Introduction	EDynamic
Cosmetology 1b: Cutting Edge Styles	EDynamic
Cosmetology 2a: Introduction	EDynamic
Cosmetology 2b: The Business of Skin and Nail Care	EDynamic
Cosmetology 3a: Introduction to Hair Skills	EDynamic
Cosmetology 3b: Waving, Coloring, and Advancing Hair Skills	EDynamic
Criminology: Inside the Criminal Mind	EDynamic
Culinary Arts 1a: Introduction	EDynamic
Culinary Arts 1b: Exploring Careers in Culinary Arts	EDynamic
Culinary Arts 2a: Introduction	EDynamic
Culinary Arts 2b: Baking, Pastry, and More!	EDynamic
Early Childhood Development and Services Comprehensive	Odysseyware
Early Childhood Education 1a: Introduction	EDynamic
Early Childhood Education 1b: Developing Early Learners	EDynamic
Environmental Service Systems Comprehensive	Odysseyware
Family and Community Services Comprehensive	Odysseyware
Fashion and Interior Design 1a: Introduction	EDynamic

Fashion and Interior Design 1b: Planning Your Vision!	EDynamic
Forensics: Using Science to Solve a Mystery Comprehensive	Odysseyware
Fundamentals of Computer Systems Comprehensive	Odysseyware
Fundamentals of Digital Media Comprehensive	Odysseyware
Great Minds in Science 1a: Introduction	EDynamic
Great Minds in Science 1b: Ideas for a New Generation	EDynamic
Introduction to Agriculture, Food, and Natural Resources Comprehensive	Odysseyware
Introduction to Careers in Education and Training Comprehensive	Odysseyware
Introduction to Careers in the Health Sciences Comprehensive	Odysseyware
Introduction to Consumer Services Comprehensive	Odysseyware
Introduction to Human Growth and Development Comprehensive	Odysseyware
Introduction to Human Services Comprehensive	Odysseyware
Introduction to Information Technology Comprehensive	Odysseyware
Learning in a Digital World: Strategies for Success	EDynamic
Life Skills 1a: Introduction	EDynamic
Marketing and Sales for Tourism and Hospitality Comprehensive	Odysseyware
Natural Resources Systems Comprehensive	Odysseyware
Nursing 1a: Introduction to Nursing	EDynamic
Personal Care Services Comprehensive	Odysseyware
Principles of Business and Finance Comprehensive	Odysseyware
Principles of Coding Comprehensive	Odysseyware
Public Health: Discovering the Big Picture in Health Care Comprehensive	Odysseyware
Science and Mathematics in the Real World Comprehensive	Odysseyware
Scientific Discovery and Development Comprehensive	Odysseyware
Teaching and Training Careers Comprehensive	Odysseyware
Therapeutics: The Art of Restoring and Maintaining Wellness Comprehensive	Odysseyware

## Agriculture Courses

<b>Agriscience 1: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> How can we make our food more nutritious? Can plants really communicate with each other? These are just two of the questions tackled in Agriscience 1: Introduction. From studying the secrets in corn roots to examining how to increase our food supply, this course examines how agri scientists are at the forefront of improving agriculture, food production, and the conservation of natural resources. In Agriscience 1: Introduction, you'll learn about the innovative ways that science and technology are put to beneficial use in the field of agriculture. You'll also learn more about some of the controversies that surround agricultural practices as nations strive to provide their people with a more abundant and healthy food supply.</p> <p><b>Required Materials:</b> None</p>	

<b>Agriscience 2a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Agriscience 1: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Students will explore the importance of agriscience from learning about its history and contribution to human civilization to how to grow plants and design garden spaces. Starting with the impact of agriscience on human culture, the course then delves into managing seed stock, quality, and storage. In addition, learners will discover how plants function, the role of animals, and the use of chemicals. Special attention is paid to safety, promoting a healthy environment, and designing for sustainability</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• Plant seeds or cuttings</li> <li>• Growing media</li> <li>• Growing container</li> <li>• A sharp blade and rooting hormone, depending on the plant you choose</li> <li>• Soil or other growing media</li> <li>• Soil test kit</li> <li>• 2-3 pots</li> <li>• Seeds of your choice (make sure your growing medium is appropriate for the seed you chose)</li> <li>• Plant</li> <li>• Pest management materials (vary based on chosen strategy)</li> </ul>	

<b>Agriscience 2b: Sustaining Human Life</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Agriscience 2b: Sustaining Human Life	<b>Vendor:</b> EDynamic
<p><b>Description:</b> This course is designed to nurture the next generation of agriscientists. Building upon the prior prerequisite course, students will explore various careers in agriscience and how to run an agribusiness. The ethics of biotechnology and genetic modification will be discussed along with the history</p>	

and usage of hydroponics. Students will be exposed to the future of agriscience as well as emerging trends.

**Required Materials:** • Plant seeds or cuttings

- Growing media
- Growing container
- A sharp blade and rooting hormone, depending on the plant you choose
- Soil or other growing media
- Soil test kit
- 2-3 pots
- Seeds of your choice (make sure your growing medium is appropriate for the seed you chose)
- Plant
- Pest management materials (vary based on chosen strategy)

<b>Animal Systems Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No previous experience in or knowledge of these careers is required for the course. Some students will have more experiential knowledge of animals; however, hands-on experience is not a requirement. The ability to review online information, research topics independently, pursue hands-on projects, and create reports and presentations is required.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This is an introductory course in animal systems at the high-school level. An interest in animal physiology, husbandry, livestock, veterinary practice, animal welfare, or food production would be desirable for students of the course. The information gained will be helpful in making educational decisions for undergraduate or graduate study. A student might use the knowledge gained from the course to further an interest in becoming a chef, a researcher, a doctor, a wildlife-management professional, or any number of applicable careers. The course covers livestock anatomy, physiology, and reproductive systems, but medical knowledge is not required for the course.</p> <p>The course provides students with a wealth of information on livestock-management practices, animal husbandry, physiological systems, the latest scientific trends, and innovations in food production. Changes in practices, regulations, and legislation for animal welfare continue as new research provides solutions to medical, ethical, and practical concerns. The course reviews current topics, such as advancements in technology and research, and defines areas of discussion while maintaining focus on best-management practices. How the research translates to management practices is a vital area of study and discussion.</p> <p><b>Required Materials:</b> Research resources, Presentation software, Word processing/graphic software, Paper, Pencil, pen, Notebook, Movie: Temple Grandin (2010), One box of instant gelatin, Water, Spoon, Microwave, Refrigerator, One gallon plastic bag, Small fruits and candies to represent parts of a cell, camera, Interview local butcher</p>	

<b>Biotechnology 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester

<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> How is technology changing the way we live? Is it possible nature can provide all the answers to some of science's most pressing concerns? In Biotechnology 1a: Introduction, you'll learn the basics of biotechnology and evolutionary theory, explore the various ways we store and preserve food, and discover the process of fermentation and microbiology. This course will also cover the importance of breeding plants and hybridization and how early breeding programs led to the study of genetics and an understanding of the function of genes. Finally, you'll delve into early industrial discoveries and explore the developments in biotechnology during the industrial revolution</p> <p><b>Required Materials:</b> None</p>	

<b>Biotechnology 1b: Unlocking Nature's Secrets</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Biotechnology 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> The fusion of biology and technology creates an amazing process and offers humanity a chance to significantly improve our existence, while simultaneously creating new challenges. In Biotechnology 1b: Unlocking Nature's Secrets, you'll build on your knowledge from Biotechnology 1a and learn how this field seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved agricultural systems. Learn about some of the challenges biotechnology faces today, such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs). You'll research new biotechnologies and learn how they are changing the world we live in, including the environmental benefits of industrial biotechnology.</p> <p><b>Required Materials:</b> None</p>	

<b>Forestry and Natural Resources</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Whether you are a treehugger or not, everyone loves the beauty and serenity of a healthy forest. Our precious woodland species not only supply us with aesthetic beauty but also play a valuable role in nature. Trees uphold a great deal of our wildlife ecosystem while providing us humans with needed lumber, paper products, and even food. But these forests cannot protect themselves and depend greatly on humans for conservation. In Introduction to Forestry and Natural Resources, you will learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. After better understanding these variables and how they affect the majesty of our forests, you may just be hugging these gentle giants after all.</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• A digital camera or camera phone</li> <li>• Approximately 1 cup of soil</li> <li>• A clear glass jar with a lid</li> <li>• Water to fill the jar</li> <li>• A ruler or tape measure</li> <li>• Marker or tape</li> </ul>	

- Supplies for an experiment of the student's choice
- Samples of water from three different water sources
- 3 clear glass containers with lid

<b>Principles of Agriculture, Food and Natural Resources 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Did you know that the world's population could be as high as 11 billion people by the year 2050? And certainly, as our population is growing, so too are our food needs. Even today, millions of people around the world experience hunger. How can we balance growing populations and keeping everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Through the study of Principles of Agriculture: Food and Natural Resources, you will gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You'll learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.</p> <p><b>Required Materials:</b> None</p>	

<b>Principles of Agriculture, Food, and Natural Resources 1b: From Farms to Energy</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Principles of Agriculture, Food, and Natural Resources 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will continue their journey of agricultural, food, and natural resources awareness. Students will learn about the types of livestock and their function in agriculture as well as basic animal anatomy and breeding practices. Moving onto food processing and production, students will be exposed to current and changing food trends. Finally, power systems, key natural resources, the extraction of resources, and sustainability practices are discussed, providing a thorough introduction to this field.</p> <p><b>Required Materials:</b> None</p>	

<b>Veterinary Science: The Care of Animals</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Lions and tigers and bears (oh my!) Whether you want to step into the wild side of veterinary medicine or just take care of the furry dogs and cats down your street, Veterinary Science: The Care of Animals will show you how to care for domestic, farm, and wild animals and diagnose their common diseases and ailments. Learn how different veterinary treatments are used and developed to improve the lives of animals and, as a result, the lives of those people who treasure them. If you have always been drawn to the world of our furry, scaly, and feathered friends, this may be just the course for you!</p>	

**Required Materials:** None

## Art Courses

<b>Art History 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Who do you think is the greatest artist of all time? Maybe Leonardo da Vinci? Michelangelo? Maybe a more modern artist like Claude Monet or Pablo Picasso? Or is it possible that the greatest artist of all time is actually someone whose name has been lost to history? In Art in World Cultures, you'll learn about some of the greatest artists in the world while creating your own art, both on paper and digitally. This course explores basic principles and elements of art and teaches you how to critique different art works art. And along the way, you will get to discover some traditional art forms from various regions of the world including the Americas, Africa, and Oceania.</p> <p><b>Required Materials:</b> None</p>	

<b>Art History 1b: Art in World Cultures</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will further their knowledge of important periods and movements in art by studying works from the Renaissance, neoclassical, romantic, and modern eras. Students will analyze the social, cultural, political, and environmental factors that influence these periods as well as focus on Native American, South American, African, and Oceanic art. Using these cultures as a foundation, the student will apply their knowledge to further cultural and artistic understanding.</p> <p><b>Required Materials:</b> None</p>	

<b>Art History Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 9-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware

**Description:** Art History is a year-long elective designed to enable students to develop knowledge of the history and theory of art and the relationship between artist, artwork, and society. Students will research and critique periods, styles, and works of art from early civilizations through modern and contemporary art.

**Required Materials:** Internet or other research material, Word processing software, Clay or some other modeling medium, Digital camera, and Sticks or other natural objects

<b>Digital Arts Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Digital Arts is a semester-long elective designed to provide computer science students with an introduction to visualization-graphics programming on computers. To equip students for today's digitally driven lifestyle, this course focuses on using a digital camera and the practical application of digital imaging and editing programs. Additionally, students will work with audio-editing programs, and will also examine 3D technology and cinematography.</p> <p><b>Required Materials:</b> Internet Access, Students will be asked to download free software such as Photoshop Express or Audacity, A digital camera is also recommended but not mandatory</p>	

<b>Digital Photography 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Have you ever wondered how professional photographers manage to take such great pictures? Have you tried to take photographs and wondered why they didn't seem to capture that moment that you saw with your eyes? Digital Photography 1a: Introduction will answer these questions and more, and help you gain a better understanding of photography. You'll learn the basics of photography and camera functions, including aperture, shutter speed, natural vs. artificial lighting, and elements of composition. You will also explore how an image is created as well as study the history of photography and advances in camera technology over the last several centuries.</p> <p><b>Required Materials:</b> • Manual camera or digital camera with manual settings (the camera needs to allow for the mode, shutter speed, and aperture to be adjusted) A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed, and aperture.</p> <ul style="list-style-type: none"> <li>• Tripod (or necessary item(s) to create a stable foundation such as a table)</li> <li>• Reflector (white paper, poster board, sheets, or a wall can also serve as a reflector)</li> <li>• Image editing software</li> <li>• Access to a slideshow application, such as PowerPoint</li> </ul>	

<b>Digital Photography 1b: Creating Images with Impact</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester



<b>Prerequisites:</b> Digital Photography 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Do you want to go beyond the basics and take your photography skills to the next level? In Digital Photography 1b: Creating Images with Impact!, you'll learn the skills and techniques used by professional photographers to improve your photo taking skills of a wide array of subjects. Build on the composition techniques and camera functions you learned in Digital Photography 1a to build a portfolio of a variety of images. Learn the special techniques that will help you shoot quality portraits, action shots, and landscapes. You will also explore sports, pet, and wildlife photography and discover various career paths in the field.</p> <p><b>Required Materials:</b> • Manual camera or digital camera with manual settings (the camera needs to allow for the mode, shutter speed, and aperture to be adjusted) A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed, and aperture.</p> <ul style="list-style-type: none"> <li>• Tripod (or necessary item(s) to create a stable foundation such as a table)</li> <li>• Reflector (white paper, poster board, sheets, or a wall can also serve as a reflector)</li> <li>• Image editing software</li> <li>• Access to a slideshow application, such as PowerPoint</li> </ul>	

<b>Digital Photography 2a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Digital Photography 1a and 1b	<b>Vendor:</b> EDynamic
<p><b>Description:</b> In today's world, we are surrounded by images. We are continually seeing photographs as they appear in advertisements, on websites, in magazines, and on billboards; they even adorn our walls at home. While many of these images have been created by professional photographers, it is possible for your photos to take on a more professional look after you discover how to increase your creative potential. In Digital Photography 2: Discovering Your Creative Potential, you will examine various aspects of the field including specialty areas, ethics, and famous photographers throughout history. You will also learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own.</p> <p><b>Required Materials:</b> • Digital camera: "point and shoot" or above A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed and aperture.</p> <ul style="list-style-type: none"> <li>• One frame (of your choice) to display a photograph on the wall</li> <li>• 3M strip (or something similar)</li> <li>• Image editing software capable of the following: <ul style="list-style-type: none"> <li>• cropping</li> <li>• changing a photo to black and white</li> <li>• adjusting color and brightness</li> <li>• resizing images</li> <li>• applying filters and special effects like texture or glitter</li> <li>• creating layers</li> </ul> </li> </ul>	

<b>Digital Photography 2b: Discovering Your Creative Potential!</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Digital Photography 2a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will dive deeper into the field of digital photography. Students will explore the history of photographic film and how to develop it as well as safety and procedures for using the darkroom. Product, stock, and microstock photography are examined as well as photojournalism and wedding photography, giving students a comprehensive introduction to digital photography as a career.</p> <p><b>Required Materials:</b> • Digital camera: “point and shoot” or above A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed and aperture.</p> <ul style="list-style-type: none"> <li>• One frame (of your choice) to display a photograph on the wall</li> <li>• 3M strip (or something similar)</li> <li>• Image editing software capable of the following: <ul style="list-style-type: none"> <li>• cropping</li> <li>• changing a photo to black and white</li> <li>• adjusting color and brightness</li> <li>• resizing images</li> <li>• applying filters and special effects like texture or glitter</li> <li>• creating layers</li> </ul> </li> </ul>	

## Business Courses

<b>Advertising and Sales Promotion</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> What comes to mind when you think of ‘marketing’? Perhaps a familiar television jingle plays in your head? Or maybe you think of those irritating sales phone calls? There’s no denying the sheer magnitude and power of the marketing industry. Every year companies spend approximately \$200 billion promoting their products and services—and that’s just in the United States alone! You may be familiar with being on the receiving end marketing, but what’s it like on the other side? In Advertising and Sales Promotions, you’ll see how these marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. You’ll learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry.</p> <p><b>Required Materials:</b> • A digital camera or camera phone</p>	

<b>Business Computer Information Systems Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 9-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Keyboarding	<b>Vendor:</b> Odysseyware

**Description:** BCIS is a high school elective that explores the use of technology applications in both business and personal situations. The course provides key knowledge and skills in the following areas:

- communication skills
- business technology
- word processing applications
- spreadsheet applications
- database applications
- telecommunications technology
- desktop publishing technology
- presentation technology
- computer networks
- computer operating systems

The course is intended to help students arrive at the following understandings:

- Effective communications skills and productive work habits can increase employees' success.
- Technology solutions can help employees be more productive and effective.

Keyboarding is a stated prerequisite for this course. While there are some keyboarding reviews in the course, there is no keyboarding instruction.

**Required Materials:** Word processing software, Spreadsheet software, Presentation software, and the ability to Interview network administrators

<b>Entrepreneurship 1a: Starting Your Business</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> What does it really take to own your own business? Does the sound of being your own boss make you feel excited or anxious? Either way, Entrepreneurship: Starting Your Business will get you started in the right direction. This course explains the ins and outs of such an enterprise, giving you the confidence needed to be your very own boss. You will discover what is needed to operate a personal business from creating a plan, generating financing, and pricing products to marketing services and managing employees. If you've ever dreamed of being a true entrepreneur but feel daunted by the prospect, this is your chance to learn all you need to know</p> <p><b>Required Materials:</b> • Students need a video camera or recording device for their projects.</p>	

<b>Entrepreneurship 1b: Starting Your Business</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Prerequisite: Entrepreneurship 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building upon the prior prerequisite course, students will continue their path towards becoming successful entrepreneurs by learning about marketing and advertising, generating financing, pricing products, and managing employees. Students will also develop a foundation in business law and</p>	

regulations, while entrenching time management and decision-making skills. This course allows for the successful student to determine their place in business and the viability of opening their own.

**Required Materials:**

- Students need a video camera or recording device for their projects.

<b>Essentials of Business Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This semester-long course is an introduction to the goals, processes, and operations of business enterprises for students. The main focus is on the functions that a company – whether a multinational corporation or a corner grocery store – must manage effectively to be successful. These include accounting, finance, human resource management, marketing, operations management, and strategic planning. Attention is also given to the legal environment in which businesses operate, and the importance of business ethics and corporate citizenship.</p> <p><b>Required Materials:</b> Internet or other research material, Paper, pencils, or other writing material, Printer, Local business person for an interview, Optional: Device that records audio or audio-visual</p>	

<b>Essentials of Communication Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Essentials of Communication: A Guide to Interacting Effectively in Today's World™ is a five-unit elective course for high school students. The materials cover fundamentals of the communication process important for successful interaction in a variety of social and professional settings. Students can use the course to gain and apply knowledge about communication theories, characteristics of language and language use, interpersonal relationships, group dynamics, and public speaking in order to interact more effectively with others. The course seeks to help students expand their knowledge and skills as communicators so that they may achieve the following goals:</p> <ul style="list-style-type: none"> <li>• Know and understand aspects of communication theories and processes appropriate to both social and professional settings.</li> <li>• Use interpersonal communication strategies appropriately in social and professional settings.</li> <li>• Effectively communicate in social and professional group settings.</li> <li>• Plan, prepare, deliver, and evaluate formal and informal personal and professional presentations.</li> </ul> <p><b>Required Materials:</b> Internet or other research material, Paper, pencils, or other writing material, Printer, Local business person for an interview, Optional: Device that records audio or audio-visual</p>	

<b>Game Design 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Are you a gamer? Do you enjoy playing video games or coding? Does the idea of creating and designing your own virtual world excite you? If so, this is the course for you! Tap into your creative and</p>	

technical skills as you learn about the many aspects involved with designing video games. You will learn about video game software and hardware, various gaming platforms, necessary technical skills, troubleshooting and internet safety techniques, and even the history of gaming. And to top it all off, you'll even have the opportunity to create your very own plan for a 2D video game! Turn your hobby into a potential career and go from simply being a player in a virtual world to actually creating one!

**Required Materials:** • Computer with:

- internet access
- slideshow program
- word processing program
- Unity LTS Release 2017.4.0f1
- OS: Windows 7 SP1+, 8, 10, 64-bit versions only; Mac OS X 10.9+. Server versions of Windows & OS X are not tested.
- GPU: Graphics card with DX10 (shader model 4.0) capabilities.
- Timing device (smartphone, stopwatch, or kitchen timer)
- Photo and video equipment
- May be a digital camera, a phone with a camera or a computer camera
- Several (10-20) pieces of blank paper
- Pencil and/or pen

Optional Materials

For students who prefer to complete activities/lab by hand:

- Poster board or butcher paper
- Markers, crayons, colored pencils
- A printer

<b>Keyboarding and Applications Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Keyboarding and Applications is a semester-long elective that teaches students keyboarding skills, technical skills, effective communication skills, and productive work habits. In this course, students will learn about proper keyboarding technique. Once students have been introduced to keyboarding skill, lessons will include daily practice of those skills. Students will gain an understanding of computer hardware, operating systems, file management, and the Internet. In addition, they will apply their keyboarding skills and create a variety of business documents, including word processing documents and electronic presentations.</p> <p><b>Required Materials:</b> Word processing software, Presentation software</p>	

<b>Office 2013 Applications I Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Office 2013 Applications I is a semester-length, high school elective that explores the use of application skills in Microsoft® Word®, Publisher®, and PowerPoint® 2013. Students will use these applications to design, develop, create, edit, and share business documents, publications, and</p>	

presentations. This course provides key knowledge and skills in the following Microsoft Office® applications:

1. Microsoft Word: Students are provided with an introduction to advanced skills in Microsoft Word that range from simply developing an understanding of the various uses of Word to more complex explorations of mail merge, tab stops, reference resources, and additional features available in backstage view.
2. Microsoft Publisher: Students learn to create publications, insert and edit publication items, and view, review, and share those publications.
3. Microsoft PowerPoint: Students will learn how to create presentations, enter and modify content, modify and deliver presentations, and collaborate and share PowerPoint presentations.

**Required Materials:** Research resources, Microsoft Word® 2013, Microsoft Publisher® 2013, Microsoft PowerPoint® 2013

<b>Office 2013 Applications II Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Office 2013 Applications I	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Office 2013 Applications II is a semester-length, high school elective course that explores the use of application skills in the 2013 versions of Microsoft® Excel® and Microsoft® Access®. Students will use these applications to design, develop, create, edit, and share business spreadsheet and database documents. This course provides key knowledge and skills in the following areas:</p> <ol style="list-style-type: none"> <li>1. Introduction to advanced skills in Microsoft® Excel® ranging from basic spreadsheet terminology to exploring data entry, formatting, formulas, functions, charts, graphics, and additional features available in backstage view</li> <li>2. Skills in Microsoft® Access®, ranging from basic relational database terminology to creating and modifying tables, forms, queries, and reports</li> </ol> <p><b>Required Materials:</b> Research resources, Microsoft Excel® 2013, Microsoft Access® 2013, Word processing software, Presentation software</p>	

<b>Personal Financial Literacy - GRADUATION REQUIREMENT</b>	<b>Credits:</b> .5
<b>Grade:</b> 11-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Middle school level mathematics and Economics recommended.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Personal Financial Literacy is a semester-length elective designed to help high school students prepare for success in making financial decisions throughout their lives. Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities.</p>	

**Required Materials:** Two books from a bookstore or library, A newspaper article in the business section, News or program on TV, research materials, interview a counselor or professional, Printer, Call insurance companies, News articles about stocks, Stock tables, phone calls to experts, Visit tire store, website access ability to: [www.money.cnn.com](http://www.money.cnn.com), [www.fidelity.com](http://www.fidelity.com), and [www.beginnersinvest.about.com](http://www.beginnersinvest.about.com)

<b>Restaurant Management</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Have you ever dreamed of running your own eatery? Maybe you've thought of collaborating with a famous chef to create an unforgettable dining experience? What goes on behind the restaurant dining room is a very different world than what goes on out front and really determines the success or failure of an establishment. Restaurant Management will show you exactly what's needed to run a successful restaurant, including ordering supplies, hiring quality workers, maintaining inventory, and managing a large staff. Understanding such concepts as food safety, hygiene, customer relations, marketing, and using a point-of-sale system are crucial to being an effective restaurateur. Whether you are hoping to operate a casual sit-down eatery, oversee a fine dining establishment, or buy a food franchise, this course is the perfect first step.</p> <p><b>Required Materials:</b> None</p>	

<b>Small Business Entrepreneurship Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Students must be computer literate and have Internet access. Students should have basic research skills, as well as the ability to conduct online searches and access recommended websites.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This semester-long course is designed to provide the skills needed to effectively organize, develop, create, and manage your own business, while exposing you to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, you will be given the chance to see what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. You will become familiar with the traits and characteristics that are found in successful entrepreneurs, and you will see how research, planning, operations, and regulations can affect small businesses. You will learn how to develop plans for having effective business management and marketing strategies.</p> <p><b>Required Materials:</b> Internet research resources, word processor, data processor (like excel), current event article access</p>	

<b>Sports and Entertainment Marketing 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Whether you are watching a famous athlete make an unbelievable play or witnessing a sensational singing performance, the world of sports and entertainment is never boring. Although it may seem impossible for you to be a part of this glittery world, it's not! The Sports and Entertainment</p>	

Marketing field offers careers that combine entertainment with traditional marketing, but with a whole lot more glamour. Explore basic marketing principles while delving deeper into the multibillion dollar sports and entertainment industry. Learn how professional athletes, sports teams, and famous entertainers are marketed as commodities and how the savvy people who handle these deals can become very successful. This course will show you exactly how things work behind the scenes of a major entertainment event and how you can be part of the act.

**Required Materials:** None

<b>Sports and Entertainment Marketing 1b: Going for Gold</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Sports and Entertainment Marketing 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will further refine their marketing skills! Students will examine the channels of distribution for products as well as the promotional mixes of advertising, visual merchandising, and personal selling. Students will also explore sponsorships and endorsements, the product life cycle, the buying process, and the psychology of marketing. Lastly, students will discover careers in sports and entertainments marketing with emphasis placed on leadership, teamwork, and time management skills.</p> <p><b>Required Materials:</b> None</p>	

## English Language Arts Courses

<b>AP English Language and Composition</b>	<b>Credits:</b> 1
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> None	<b>Vendor:</b> AccelerateEd
<p><b>Description:</b> This course is the first semester of a full credit course provides instruction on all the competencies needed to be successful on the Advanced Placement test from College Board. The course is designed to develop student awareness of how an author creates meaning through language use, genre conventions, and rhetorical choices. In addition, students are expected to write and analyze persuasive arguments. According to the English Language and Composition guidelines outlined on the AP website, the</p>	



course “engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes” (English Language and Composition homepage, p.6). This course will help you to read with deeper understanding and write more powerfully and effectively. Our writing assignments include rhetorical analyses, personal essays, argumentative essays, expository essays, evaluation essays, journal entries, and more. You should plan on having an hour to devote to AP English homework every night. Access to a computer is essential as is regular attendance at class. The pace and level of work in this class is not easily made up just by getting the notes from someone.

**Required Materials:** Analysis, Argument, and Synthesis (AP Honors)/Patterns for College Writing: A Rhetorical Reader and Guide

<b>AP English Literature &amp; Composition</b>	<b>Credits:</b> 1
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Successful completion of ELA 11 and teacher’s recommendation	<b>Vendor:</b> AccelerateEd

**Description:** Both semesters of AP English Literature and Composition have been designed to challenge students to read and interpret a wide range of literary works. This course allows students to explore a variety of genres and literary periods and to write clearly about the literature that they encounter. By the end of the second semester, the student will be well prepared for the AP examination and will have acquired analytical skills that will be used throughout life. The first semester of this course focuses on the elements of fiction. The student will spend a considerable amount of time reading and analyzing a variety of short stories and novels. The student will evaluate how the elements of plot analysis, characterization, theme, point of view, symbolism, allegory, irony, and humor work together to create a story or novel that is worthy of literary acclaim. In addition to reading, the student will complete a wide variety of writing pieces in order to develop better writing skills in the following areas: narrative, exploratory, expository, and argumentative.

**Required Materials:** Primary Textbook:  
 Perrine’s Literature: Structure, Sound, and Sense 13th Edition, 2017 – Greg Johnson, Thomas Arp  
 ISBN-13: 978-1305971035 \$19.68 to rent  
 ISBN-10: 1305971035

Students are required to read this novel before the start of the course:

Crime and Punishment by Fyodor Dostoevsky

The textbook below is required to purchase for Semester B:

Cracking the AP English Literature & Composition Exam, 2019 Edition

ISBN 9781524758042

Additional Novels:

Native Son by Richard Wright

The Color Purple by Alice Walker

One Hundred Years of Solitude by Gabriel Garcia Marquez

Orlando by Virginia Woolf

<b>Creative Writing 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester

<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> For many hundreds of years, literature has been one of the most important human art forms. It allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. Through creative writing, we can come to better understand ourselves and our world. This course can provide you with a solid grounding in the writing process, from finding inspiration to building a basic story. Then, when you are ready to go beyond the basics, learn more complicated literary techniques to create strange hybrid forms of poetry and prose. By the end of this course, you can better discover your creative thoughts and turn those ideas into fully realized pieces of creative writing.</p>	
<p><b>Required Materials:</b> None</p>	

<b>Creative Writing 1b: Unleashing the Core of Your Imagination</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Creative Writing 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will continue their journey towards creative writing mastery! Students will discover how to build character story arcs, write dialogue, and use point of view to strengthen their narratives. Also, by examining how revisions, drafts, and critiques bolster the writing process, students will be able to turn their creative thoughts into fully realized pieces of creative writing.</p>	
<p><b>Required Materials:</b> None</p>	

<b>English I Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 9	<b>Length:</b> Full Year
<b>Prerequisites:</b> Middle school level Language Arts/English	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> English I Comprehensive - Students should enter this course with a foundation in fiction, drama, poetry, mythology, and nonfiction. This course will provide them with the opportunity to build on that foundation. They will engage in in-depth analysis of more complex literature, view that literature from its historical perspective, and connect it to other arts. They will write literary analyses, logical arguments, informational/explanatory texts, narratives, and focused research projects. These writing tasks will be both formal and informal. Additionally, they will engage in speaking and listening activities that use and incorporate media and technology. As a result of the reading, writing, speaking, and listening students will do in this course, they will grow their vocabulary and their understanding of how to communicate effectively by making skillful choices when expressing themselves with language.</p> <p>To become critical consumers of text, students will be exposed to increasingly more complex texts to which they apply those skills. The content is both rigorous and relevant and includes high-quality contemporary works as well as the classics of literature. This course has been used, without any accommodations or reduction of content, in Honors programs.</p>	
<p><b>Required Materials:</b> Word processor, internet research resources, The Odyssey, Homer. Recommend text: Penguin Classics edition, Homer, The Odyssey, translated by Robert Fagles, introduction and notes by Bernard Knox. ISBN: 0140268863</p>	

To Kill a Mockingbird, Harper Lee. Recommended text: Grand Central Publishing (1982) ISBN-13: 978-0-446-31078-9

<b>English I Foundations</b>	<b>Credits: 1</b>
<b>Grade: 9</b>	<b>Length: Full Year</b>
<b>Prerequisites:</b> Middle school level Language Arts/English	<b>Vendor: Odysseyware</b>
<p><b>Description:</b> English I Foundations continues to build on the sequential development and integration of communication skills in four major areas: reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:</p> <ul style="list-style-type: none"><li>• Reading reinforces reading comprehension skills by teaching students how to understand and appreciate poetry, drama, informative nonfiction, and fiction; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative prose; guides students through readings of drama, a novel, and selections from well-known poetry, and short stories.</li><li>• Writing furthers students' understanding of sentence structures; reviews parts of speech and their types, including in-depth studies on verbs (transitive, intransitive, conjugation, tense, voice, mood); develops students' understanding of the types and functions of phrases and clauses; teaches language history and etymology to help students build on knowledge of word structures, including prefixes, roots, and suffixes; expands on students' vocabulary skills; reviews spelling skills; gives students the opportunity to develop their abilities in writing speeches, short essays, poetry, friendly/business letters, and short stories.</li><li>• Speaking offers students experience in delivering a speech; teaches skills that enable students to become effective speakers and communicators, weaving these skills together throughout the course.</li><li>• Listening teaches effective listening comprehension skills, weaving these together throughout the lessons.</li><li>• Special Topics incorporates research skills, including Internet, library, reference material, and multimedia use; includes mass media structure and influence.</li></ul> <p><b>Required Materials:</b> Word processor, internet research resources, The Odyssey, Homer. Recommend text: Penguin Classics edition, Homer, The Odyssey, translated by Robert Fagles, introduction and notes by Bernard Knox. ISBN: 0140268863</p>	

<b>English II Comprehensive</b>	<b>Credits: 1</b>
<b>Grade: 10</b>	<b>Length: Full Year</b>
<b>Prerequisites:</b> English I Comprehensive	<b>Vendor: Odysseyware</b>
<p><b>Description:</b> English II Comprehensive students will study literature that spans centuries, continents, and genres. Each of the four thematically- integrated units encourages close study of this literature and its context. Students will gain valuable cultural insight as they read and write about works depicting the social, personal, religious, and political struggles and triumphs faced by people all over the world and all through history. Students will continue to build their literacy skills by engaging in focused reading, composition, speaking and listening activities, vocabulary study, and research. By the end of the course, students will have gained a broader perspective and will be well-prepared to apply that perspective to the study of American Literature in English III.</p> <p>To become critical consumers of text, students will be exposed to increasingly more complex texts to which they apply those skills. The content includes classic myths and stories from around the world,</p>	

America's founding documents, foundational American literature, and Shakespeare. This course has been used, without any accommodations or reduction of content, in Honors programs.

**Required Materials:** Animal Farm, George Orwell. Recommended text: Published by Houghton Mifflin, ISBN: 0151072558, Nectar in a Sieve, Kamala Markandaya. ISBN: 0-451-16836-4 Signet (1995), Things Fall Apart, Chinua Achebe. First Anchor Books Edition (1994) ISBN: 0-385-47454-7, "Master Harold"...and the Boys, Athol Fugard. Vintage (2009) ISBN: 978-0307475206

<b>English II Foundations</b>	<b>Credits: 1</b>
<b>Grade: 10</b>	<b>Length: Full Year</b>
<b>Prerequisites:</b> English I Foundations or English I Comprehensive	<b>Vendor: Odysseyware</b>
<p><b>Description:</b> English II Foundations continues to build on the sequential development and integration of communication skills in four major areas: reading, writing, speaking, and listening. It focuses on deepening and furthering students' understanding in the following ways:</p> <ul style="list-style-type: none"> <li>• Reading reinforces reading comprehension skills by teaching students how to comprehend and appreciate poetry, drama, and fiction; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative prose; guides students through readings of drama, a novel, and selections of well-known poetry and short stories.</li> <li>• Writing develops students' understanding of complex sentence and paragraph structures, providing hands-on experience with connectives, transitions, phrases, and clauses; teaches language history and etymology to help students build on knowledge of grammar and word structures; expands on students' vocabulary skills; gives students the opportunity to develop their abilities in writing a set of instructions, a literary critique, a poem, a short story, and a speech.</li> <li>• Speaking offers students experience in delivering a speech; teaches skills that enable students to become effective speakers and communicators, weaving the skills throughout the course.</li> <li>• Listening teaches effective listening comprehension skills, integrating these throughout the lessons.</li> <li>• Special Topics incorporates research skills, including internet, library, and reference material use.</li> </ul> <p><b>Required Materials:</b> Internet research available for various print media, various broadcast media, various Internet media, access to the library, magazines, short story anthology, newspapers, magazines, poetry anthology, Sources or works by George Eliot, and specifically Silas Marner, by George Eliot, print (and optional video version).</p>	

<b>English III Comprehensive</b>	<b>Credits: 1</b>
<b>Grade: 11</b>	<b>Length: Full Year</b>
<b>Prerequisites:</b> English II Comprehensive	<b>Vendor: Odysseyware</b>
<p><b>Description:</b> English III Comprehensive is a survey of American Literature and literary culture from its inception through the twentieth century. Students will explore the major literary forms, themes, authors, and periods of American Literature. They will understand how this literature represents the experiences of people native to America, those who immigrated to America, and those who were brought to America against their will. Emphasis is placed on a rhetorical analysis of the literature to determine how authors achieve a particular purpose or effect. Through focused readings, composition, speaking and listening</p>	

activities, vocabulary study and research, students will continue to build the literacy skills they need to meet the challenges of high school and beyond.

To become critical consumers of text, students will be exposed to increasingly more complex texts to which they apply those skills. In English language arts, that critical content is both rigorous and relevant and includes high-quality contemporary works as well as the classics of literature. In English language arts, that content includes classic myths and stories from around the world, America’s founding documents, foundational American literature, and Shakespeare. This course has been used, without any accommodations or reduction of content, in Honors programs.

**Required Materials:** Word processor, *The Crucible*, Arthur Miller. Recommended Text: Penguin (2003), ISBN: 978-0142437339, *Their Eyes Were Watching God*, Zora Neal Hurston. Recommended Text: HarperCollins, ISBN 978-0-06-083867-6, *Our Town*, Thornton Wilder. Any version.

<b>English III Foundations</b>	<b>Credits: 1</b>
<b>Grade: 11</b>	<b>Length: Full Year</b>
<b>Prerequisites:</b> English II Foundations or English II Comprehensive	<b>Vendor: Odysseyware</b>
<p><b>Description:</b> English III Foundations continues to build on the sequential development and integration of communication skills in four major areas: reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:</p> <ul style="list-style-type: none"> <li>• Reading reinforces reading comprehension skills by teaching students comprehension techniques for literary fiction, nonfiction, poetry, and drama; discusses common literary devices; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative and expository prose; guides students through readings of Thornton Wilder’s <i>Our Town</i> and Hemingway’s <i>The Old Man and the Sea</i> as well as selections of and excerpts from well-known poetry and nonfiction pieces.</li> <li>• Writing develops students’ writing skills by teaching about clauses and phrases in sentence structures; reviews common sentence construction errors and methods for avoiding them; provides practice in standard and nonstandard English, as well as specialized language use; teaches Greek and Latin roots and prefixes to enhance vocabulary and spelling skills; expands students’ abilities to write cohesive and coherent expository prose; gives students the opportunity to develop their abilities in writing literary critiques, personal essays, poetry, and research papers.</li> <li>• Special Topics incorporates research skills, including Internet, library, and reference material use, throughout the curriculum.</li> </ul> <p><b>Required Materials:</b> Internet resources, word processor, National Geographic or other scientific magazine, Dictionary, public documents, Poetry anthology, Library access, newspaper, television, news magazines, <i>Our Town</i>, by Thornton Wilder, and <i>The Old Man and the Sea</i>, by Ernest Hemingway. Page numbers refer to the Scribner edition, ISBN: 0684801221.</p>	

<b>English IV Comprehensive</b>	<b>Credits: 1</b>
<b>Grade: 12</b>	<b>Length: Full Year</b>
<b>Prerequisites:</b> English III Comprehensive	<b>Vendor: Odysseyware</b>
<p><b>Description:</b> By English IV Comprehensive, students have repeatedly peered through the window to humanity that literature has opened for them. Through it, they have gained valuable perspective on their</p>	

world, past and present. Close-textual interaction with literature should have heightened appreciation for those texts, improved critical and analytical skills in reading and writing, enhanced speaking and listening abilities, and enriched students' academic and personal vocabulary. This course is organized chronologically, so students can see the influences on and evolution of the ideas and forms.

Writing, research, and speaking assignments will continue to focus on formulating and expressing ideas and arguments about the readings. Particular emphasis is placed on gaining critical perspective on the relationship between content and form and on synthesizing ideas into clear and concise prose and presentations.

To become critical consumers of text, students will be exposed to increasingly more complex texts to which they apply those skills. In English language arts, that critical content is both rigorous and relevant and includes high-quality contemporary works as well as the classics of literature. In English language arts, that content includes classic myths and stories from around the world, America's founding documents, foundational American literature, and Shakespeare. This course has been used, without any accommodations or reduction of content, in Honors programs.

**Required Materials:** Word processor, internet resources, *The Stranger*, Albert Camus. translated by Matthew Ward, ISBN: 978-0-679-72020-1.

<b>English IV Foundations</b>	<b>Credits:</b> 1
<b>Grade:</b> 12	<b>Length:</b> Full Year
<b>Prerequisites:</b> English III Foundations or English III Comprehensive	<b>Vendor:</b> Odysseyware

**Description:** English IV Foundations continues to build on the sequential development and integration of communication skills in four major areas: reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- Reading reinforces reading comprehension skills by teaching students comprehension techniques for literary fiction, poetry, and drama, including discussion of common literary devices; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative and expository prose; guides students through English literary history, including readings of Shakespeare's *Hamlet*, Milton's *Paradise Lost*, *Beowulf*, and other selections of and excerpts from major English literary figures.
- Writing develops students' writing skills by teaching about clauses and phrases in sentence structures; reviews common sentence and paragraph construction errors and methods for avoiding them; teaches Greek and Latin roots and prefixes to enhance vocabulary and spelling skills; expands students' abilities to write cohesive and coherent expository prose; gives students the opportunity to develop their abilities in writing literary critiques, poetry, short stories, and expository prose.
- Listening teaches effective listening comprehension skills, weaving these throughout the lessons; builds upon students' study skills as well as helps them to become reliable and efficient note takers.
- Special Topics incorporates research skills, including Internet, library, and reference material use, throughout the curriculum.

**Required Materials:** Internet research resources, library access, Television access, Public document (speech, debate, resolution), Short story anthology, and poem anthology.

<b>Gothic Literature: Monster Stories</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester

<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Vampires, ghosts, and werewolves have lived in our collective imagination since the 18th century, and they continue to influence the world of fiction even today. Gothic Literature: Monster Stories focuses on the major themes found in Gothic literature and demonstrates the techniques writers use to produce a thrilling psychological experience for the reader. The themes of terror versus horror, the power of the supernatural, and the struggle between good and evil are just a few of the classic Gothic subjects explored in this course. Are you brave enough to go beyond the fear and find an appreciation for the dark beauty of Gothic stories?</p>	
<p><b>Required Materials:</b> None</p>	

<b>Journalism 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Are you a storyteller at heart? Are you always the first one to know what's going on at school or in your town and excited to share the latest breaking news? If so, you are the kind of person every online, print, and broadcast news outlet is searching, and Journalism 1a: Introduction is the perfect course for you! Explore the history of journalism and see how social media and the digital world has changed the way news media operates. Learn the basics of press law as well as the code of ethics journalists should follow. Finally, understand how to make your writing and speaking more powerful, and discover the importance of pictures and images when telling a story.</p>	
<p><b>Required Materials:</b> None</p>	

<b>Journalism 1b: Investigating the Truth</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Journalism 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> If you want to turn your writing, photography, and collaborative skills into an exciting and rewarding career, Journalism 1b: Investigating the Truth is where to begin. Learn how to write a lead that grabs your readers, discover the roles of sources and how to interview them effectively, and explore the best options for researching your story in a digital world. You will also understand the role editors and producers play in the revision process, learn how to prepare your posts for publication, and how to follow the publication process - from the flow of a work day to the layout of a newspaper or a news broadcast.</p>	
<p><b>Required Materials:</b> None</p>	

<b>Media Studies Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware

**Description:** This semester-long course is part of a worldwide educational movement called media literacy. The goal of the media literacy movement is to educate people about how the media impacts both individuals and society as a whole.

Students will examine media such as magazines, the Internet, video games, and movies. They'll learn the kinds of strategies that advertisers use to persuade people to buy products. They'll also explore how news broadcasters choose which stories to air. Lessons and projects encourage students to examine ways in which media helps shape our culture and the ways in which our culture shapes the media. While many media literacy courses focus upon learning how to make media, this one will focus exclusively on analyzing the media.

**Required Materials:** Word processor, internet research resources

<b>Mythology and Folklore: Legendary Tales</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years. Mythology and Folklore: Legendary Tales will illustrate how these famous anecdotes have helped humans make sense of the world. Beginning with an overview of mythology and different types of folklore, you will journey with age-old heroes as they slay dragons, outwit gods, defy fate, fight endless battles, and outwit clever monsters with strength and courage. You'll explore the universality and social significance of myths and folklore and see how these powerful tales continue to shape society even today.</p> <p><b>Required Materials:</b> None</p>	

<b>Public Speaking 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Does the thought of speaking in front of people makes you break out in hives? Maybe you want tips on how to make that first great impression? In both cases, Public Speaking 1a: Introduction may be just what you need. In this course, you will learn from famous orators, like Aristotle and Cicero, understand the influence of rhetoric, and discover how to recognize bias, prejudice, and propaganda. You will also learn how to plan a speech, build an argument, and communicate effectively, while collaborating with others. Grab your notes and get ready to conquer public speaking!</p> <p><b>Required Materials:</b> None</p>	

<b>Public Speaking 1b: Finding Your Voice</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Public Speaking 1a: Introduction	<b>Vendor:</b> EDynamic



**Description:** If you've learned the basics and are ready to expand your public speaking skills, Public Speaking 1b: Finding Your Voice is for you. In this course, you'll master the fundamentals of public speaking through practice and eventually learn to speak confidently in front of large groups. Explore the use inductive and deductive reasoning, learn how to prepare a speech outline, and discover how to write your own speech using correct and emotive language. This course will also help you to develop self-efficacy and self-esteem, reduce your fear of public speaking, and teach you how to use body language effectively. You'll also learn how to stand back and critically examine your own work in order to identify areas for improvement.

**Required Materials:** None

<b>Reading and Writing for a Purpose</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> This course introduces useful, real-world information by having students learn to read legal, insurance, employment, and vehicle related documents. Furthermore, students will explore media bias, trends in journalism, word structures, and research strategies. To entrench real-world applications, students will learn how to critically read, identify good sources of information, and create an outline, making this course an asset to building life and study skills.</p> <p><b>Required Materials:</b> None</p>	

<b>The Lord of the Rings: An Exploration of the films and their Literary Influences</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will delve deeper into the realms of film and theater production. Students will study script writing and the use of plot and dramatic structure to create stories that speak to the audience. Also, the responsibilities of actors and directors as well as their relationship to each other are discussed with students learning more about the film production process. Finally, students will discover the types of genres in film and theater and how those genres are influenced by historical, social, and cultural factors.</p> <p><b>Required Materials:</b> You will be required to have access to the standard (non-extended) editions of the three Lord of the Rings films:</p> <ul style="list-style-type: none"> <li>• The Lord of the Rings: The Fellowship of the Ring</li> <li>• The Lord of the Rings: The Two Towers</li> <li>• The Lord of the Rings: The Return of the King</li> </ul> <p>If you do not already have access to these movies, you may consider other sources such as your local library.</p>	

Note: Timestamps referenced throughout the course apply to standard editions of the applicable film and may not align with any extended/modified versions.

<b>Theater, Cinema &amp; Film Production 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Lights! Camera! Action! Let’s explore the enchanting world of live theater and its fascinating relationship to the silver screen. In Theater, Cinema, and Film Production, you’ll learn the basics of lighting, sound, wardrobe, and camerawork while examining the magic that happens behind all the drama. Delve into the glamorous history of film and theater, and examine the tremendous influence these industries have had on society and culture over the years. During this unit, you’ll discuss and analyze three classic American films— Casablanca, Singin’ in the Rain, and The Wizard of Oz—to help you learn how to critique and appreciate some of the most famous dramas of all time.</p> <p><b>Required Materials:</b> You will be required to have access to the standard editions of the three films used in this course:</p> <ul style="list-style-type: none"> <li>• Singin’ in the Rain (1952)</li> <li>• Wizard of Oz (1932)</li> <li>• Casablanca (1942)</li> </ul> <p>If you do not already have access to these movies, you may consider other sources such as your local library.</p> <p>Note: Timestamps referenced throughout the course apply to standard editions of the applicable film and may not align with any extended/modified version</p>	

<b>Theater, Cinema, and Film Production 1b: Capturing Your Genius</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Theater, Cinema, and Film Production 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will delve deeper into the realms of film and theater production. Students will study script writing and the use of plot and dramatic structure to create stories that speak to the audience. Also, the responsibilities of actors and directors as well as their relationship to each other are discussed with students learning more about the film production process. Finally, students will discover the types of genres in film and theater and how those genres are influenced by historical, social, and cultural factors.</p> <p><b>Required Materials:</b> You will be required to have access to the standard editions of the three films used in this course:</p> <ul style="list-style-type: none"> <li>• Singin’ in the Rain (1952)</li> <li>• Wizard of Oz (1932)</li> <li>• Casablanca (1942)</li> </ul> <p>If you do not already have access to these movies, you may consider other sources such as your local library.</p> <p>Note: Timestamps referenced throughout the course apply to standard editions of the applicable film and may not align with any extended/modified versions.</p>	

## Health & Physical Education Courses

<b>Health 1: Life Management Skills</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Imagine the healthiest people you know . . . what’s their secret? While some health traits are genetically determined, the truth is we all have the ability to make positive changes in our physical lives. In Health 1: Life Management Skills, you will learn how to promote better health by decreasing stress and finding a fuller vision of your life. Explore different lifestyle choices that can influence your overall health—from positively interacting with others, to choosing quality health care, to making sensible dietary choices. You will have the opportunity to build your own plan for improvement and learn how to create the type of environment that will ensure your overall health, happiness, and well-being.</p> <p><b>Required Materials:</b> None</p>	

<b>Health Education Comprehensive - REQUIRED 9TH GRADE</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Health Education is a health science elective course that introduces students to what good health is, why good health is important, and what students should do to achieve good health.</p> <p>Body Essentials: This unit introduces the different systems in the human body, showing how the body develops.</p> <p>Physical Health: This unit demonstrates to students how they may develop good practices as they promote proper physical health.</p> <p>Social and Mental Health: This unit teaches how to establish strong social and mental health through true health wisdom.</p> <p>Preventive Healthcare and First Aid: This unit focuses instruction on safety, emergency care, and disease prevention.</p> <p>Responsible Living: This unit discusses how students may apply the principles of good stewardship, covering topics like pollution, drugs, alcohol, and tobacco.</p> <p><b>Required Materials:</b> Stopwatch or clock with second hand, Pieces of white paper, Some colored pencils, A ruler, Some tape, Tape recorder (optional), Gauze bandages (sterile), Aspirin or aspirin substitute, Foil blanket, Triangle bandage, Scissors, Tweezers, Calamine lotion, Roll of cotton gauze (sterile), Assorted adhesive bandages, Adhesive tape, Disposable rubber gloves, Antiseptic hand wipes, Safety pins, Antiseptic ointment, Flashlight, Rubbing alcohol in a plastic container, Syrup of Ipecac (used to induce</p>	

vomiting in case of the ingestion of specific poisons), Towels, Blankets, Pillows, Magazine rolled up, Newspaper, Broomstick, Pipe, Stick, Research materials, Resource available to create a flyer

<b>Health Science 1a: Introduction to the Whole Individual</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Introduce your students to the rewarding and growing field of health science! Students will explore the various disciplines within the health sciences while investigating the licensing, certifications, and educational requirements to pursue a career in this area. The history of the health care, characteristics of the health system, and different stages of human development and life are discussed. Finally, students will learn how to take vital signs and practice common first-aid techniques, starting them off with the skills to make them successful in the health sciences!</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• A video camera / recording equipment</li> <li>• Computer with internet and word processing program, slideshow program</li> <li>• Poster board (2)</li> <li>• Camera or phone with video recording capabilities and photographic capabilities</li> <li>• Printer or ability to print a form</li> <li>• Various materials for experiment, will vary based on student's experiment but will likely include: stopwatch, thermometer, measuring tape, scale</li> </ul>	

<b>Health Science 1b: The Whole Individual</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Health Science 1a: Introduction to the Whole Individual	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will continue their introduction to the health care field. Beginning with teamwork and leadership skills, students will then explore communication techniques and the importance of health and safety in the work place. Finally, students will be exposed to medical ethics and legal issues as well as the influence of technology on communications and information, providing the student with foundational knowledge.</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• A video camera / recording equipment</li> <li>• Computer with internet and word processing program, slideshow program</li> <li>• Poster board (2)</li> <li>• Camera or phone with video recording capabilities and photographic capabilities</li> <li>• Printer or ability to print a form</li> <li>• Various materials for experiment, will vary based on student's experiment but will likely include: stopwatch, thermometer, measuring tape, scale</li> </ul>	

<b>Health Science 2a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Health Science 1a and 1b	<b>Vendor:</b> EDynamic

**Description:** Are you looking for a job that’s challenging, interesting, and rewarding? These three words describe many of the different careers in health care, and Health Science 2: Patient Care and Medical Services will show you how to become part of this meaningful vocation. Promoting wellness, communicating with patients, and understanding safety in the workplace are just a few of the essential skills you will learn, all the while becoming familiar with some of the more prominent areas in the field, such as emergency care, nursing, infection control, and pediatrics. You’ll learn about some of the inherent challenges faced by this age-old profession and how you can become a significant part of the solution.

**Required Materials:** None

<b>Health Science 2b: Patient Care and Medical Services</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Health Science 2a: Introduction to Patient Care	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will continue their investigation of this career path. Students will learn about work place safety, reducing medical errors, and monitoring and recording vital signs. In addition, technological applications and the prevention and control of blood-borne diseases will be discussed. Finally, students will explore the education and certification requirements for a career in this field!</p> <p><b>Required Materials:</b> None</p>	

<b>Health Science: Public Health</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> What is public health? Who is in control of our health systems and who decides which diseases get funding and which do not? What are the human and environmental reasons for health inequality? Health Science: Public Health answers all of these questions and more. You will study both infectious and non-communicable diseases as well as learn how we conquer these on a community and global level through various methods, including proper hygiene, sanitation, and nutrition. Explore the role current and future technologies play worldwide as well as consider the ethics and governance of health on a global scale. Discover unique career opportunities, and fascinating real-life situations.</p> <p><b>Required Materials:</b> Computer</p> <ul style="list-style-type: none"> <li>• with internet connection</li> <li>• with access to a word-processing program</li> <li>• with access to a slideshow presentation program</li> <li>• with the ability to do screen shots or use the Snipping Tool</li> <li>• with access to Dropbox</li> <li>• Device with Photo- and Video-Recording</li> </ul> <p>Capabilities:</p> <ul style="list-style-type: none"> <li>• cell phone, digital camera, or computer camera</li> <li>• Poster-Board or Large Butcher Paper</li> <li>• Craft Materials:</li> </ul>	

- markers, glue, pencils, pens, scissors (only necessary for those who choose to create handmade projects rather than digital when given the option; however, there is always a digital option for every lab/activity that involves creating a presentation)

- Toy Doll or Stuffed Animal for Demonstrations
- Watch, Digital Timer, or the Timer on a Cell Phone

Optional Materials

There are ways to complete the labs and activities without these materials (as explained in individual labs and activities); however, if it is possible to obtain these materials, they will be helpful:

- Human Volunteer
- friend or family member
- Scale
- to take a person’s weight
- Measuring Tape
- Thermometer
- to take a person’s temperature
- Blood Pressure Cuff
- Printer with Paper and Black and White Ink (and Preferably Colored Ink)
- Protective Clothing: Gown, Mask, and Gloves

<b>Nursing 1b: Developing Your Skills</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Nutrition and Wellness 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will explore the details of being a nurse and daily life. Students will learn about emergency procedures, safety considerations, and to take vital signs. Students will also examine bloodborne and infectious diseases along with subsequent infection control and prevention techniques. Finally, the trends and challenges of nursing are discussed, giving students a thorough introduction to the realm of nursing!</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• Computer with word processing program like MS Word, Excel-type program, and slide show program like PowerPoint</li> <li>• Computer with access to internet</li> <li>• Brochure maker software (optional)</li> <li>• Video Recording device: smartphone, digital camera with audio, computer camera, or any device that can record both video and sound.</li> <li>• First aid kit and supplies: <ul style="list-style-type: none"> <li>• Alcohol and cotton swabs or alcohol wipes</li> <li>• Syringe or object to mimic syringe (pencil)</li> <li>• Bandage materials: sterile gauze, tape, large bandages</li> <li>• Space blanket</li> <li>• Antiseptic cream/gel</li> <li>• Scissors</li> <li>• Cold pack</li> </ul> </li> </ul>	

- Surgical Gloves
- Surgical Gown (or clothing that is similar)
- Object like a piece of fruit to demonstrate asepsis
- Clean towels or pieces of cloth
- Thermometer
- Bathroom scale
- Yardstick or measuring tape
- Stopwatch or watch with timer or second hand
- Friend or family member to act as your “patient”
- Practice dummy: a large pillow or stuffed animal is a good substitute
- Automated External Defibrillator or a box with two strings attached; the strings will need adhesive bandages or tape on the ends

<b>Nutrition and Wellness 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Have you ever heard the phrase “your body is your temple” and wondered what it means? Keeping our physical body healthy and happy is just one of the many challenges we face, and yet, many of us don’t know how to best achieve it. Positive decisions around diet and food preparation are key to this process, and you will find the essential skills needed to pursue a healthy, informed lifestyle in Nutrition and Wellness. Making sure you know how to locate, buy, and prepare fresh delicious food will make you, and your body, feel amazing. Impressing your friends and family as you nourish them with your knowledge? That feels even better!</p> <p><b>Required Materials:</b> None</p>	

<b>Nutrition and Wellness 1b: Choosing Your Health</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Nutrition and Wellness 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will examine the particulars of preparing healthy meals, learn about the nutritional values and benefits of various foods and basic food preparation techniques. Finally, students will explore mindful eating strategies, securing their ability to develop healthy habits for the future.</p> <p><b>Required Materials:</b> None</p>	

<b>Peer Counseling</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Are you the person that people come to for advice? Does it seem that your friends always talk to you about their problems? If so, Peer Counseling may be the perfect course for you. It offers ways for you to explore this valuable skill and better understand how it can make a difference in the lives of others. Helping people achieve their personal goals is one of life’s most rewarding experiences, and Peer</p>	

Counseling will show you the way to provide support, encouragement, and resource information. Learn how to observe others as a Peer Counselor as you carefully listen and offer constructive, empathic communication while enhancing your own communication skills.

**Required Materials:** None

<b>Personal &amp; Family Living Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This semester-long high school elective takes students on an interactive exploration of the challenges they may face as they transition into adulthood, including constructive conflict resolution, nutrition and health, building healthy families, financial responsibility, and long-term employment.</p> <p><b>Required Materials:</b> Newspaper, Interview someone, Scratch paper, Research materials, Trip to the library</p>	

<b>Personal Fitness - REQUIRED 10TH GRADE</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> What does being fit really mean? Is it just based on physical appearance or is it something deeper? Though we strive to be healthy and make sensible choices, it's difficult to know how to achieve this. It's not only about losing weight or lifting a heavy barbell; in Personal Fitness you will learn about body functions, safety, diet, goals, and strategies for longevity. Human beings, in both body and mind, are complex and highly sensitive organisms that need the right attention to physically excel and feel great. Being fit is about living life to the fullest and making the most of what you have—yourself! Explore the world of healthy living and see how real fitness can be achieved through intention, effort, and just the right amount of knowledge.</p> <p><b>Required Materials:</b> None</p>	

<b>Physical Education Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Physical Education is a semester-long elective designed for high school students. The course focuses on performance of individual and team sports, with explanations of proper technique, rules of the game, and preparation. Team sports introduced include soccer, basketball, football, baseball, and volleyball. An introduction to fitness, strength, endurance, and nutrition is also included. Students will have the opportunity to perform each sport on their own time, while keeping a log of activity. The goal is incorporation of activity into their daily lives and the gain of lifelong healthy fitness habits.</p>	



**Required Materials:** Internet or other research material, Paper, pencils, or other writing material, Printer, Variety of hand held weights, rubber tubing, or barbells, depending on exercises chosen, Cloth tape measure, clock or watch with second hand, access to a 12 inch high step, 3 nutritional labels off of food packaging, Accurate scale, tape measure, Soccer ball or one of similar size, Large play area (at least 20 feet long), Basketball or ball of similar size, Basketball court (helpful, but not mandatory), volleyball or ball of similar size, Volleyball or ball of similar size, Gymnasium (helpful, but not mandatory), Two movies about baseball, TV for watching one inning of a televised baseball game, Golf club (helpful, but not mandatory), Tennis racquet, tennis balls, Swim suit and access to a swimming pool (helpful, but not mandatory), Clock or watch, Appropriate shoes for running, Heart monitor (helpful, but not mandatory)

<b>Physical Fitness Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Physical Fitness is a semester-length elective designed for high school students. The course focuses on the health benefits of regular physical activity and of a long term exercise program. As students work through the course, they will learn about the many aspects of physical fitness, including basic nutrition, the importance of flexibility, cardiovascular health, muscle and strength training, and realistic goal setting. Along the way, students will be required to maintain and submit an activity log in order to measure progress in course exercises, as well as in personal fitness goals.</p> <p><b>Required Materials:</b> Word processor, internet research resources</p>	

<b>Public Health 1b: Global Concerns</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will thoroughly investigate the issues concerning public health and explore career options in this field. The importance of improving access to clean water and teaching proper hygiene and sanitation will illuminate the solutions and issues presented when trying to better public health. In addition, how technology has changed the way public health is managed, and morality and ethics concerning clinical trials and research studies will be discussed. The role of women in promoting healthy families is highlighted.</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• Computer</li> <li>• with internet connection</li> <li>• with access to a word-processing program</li> <li>• with access to a slideshow presentation program</li> <li>• with the ability to do screen shots or use the Snipping Tool</li> <li>• with access to Dropbox</li> <li>• Device with Photo- and Video-Recording Capabilities:</li> <li>• cell phone, digital camera, or computer camera</li> <li>• Poster-Board or Large Butcher Paper</li> <li>• Craft Materials:</li> </ul>	

- markers, glue, pencils, pens, scissors (only necessary for those who choose to create handmade projects rather than digital when given the option; however, there is always a digital option for every lab/activity that involves creating a presentation)

- Toy Doll or Stuffed Animal for Demonstrations
- Watch, Digital Timer, or the Timer on a Cell Phone

**Optional Materials**

There are ways to complete the labs and activities without these materials (as explained in individual labs and activities); however, if it is possible to obtain these materials, they will be helpful:

- Human Volunteer
- friend or family member
- Scale
- to take a person’s weight
- Measuring Tape
- Thermometer
- to take a person’s temperature
- Blood Pressure Cuff
- Printer with Paper and Black and White Ink (and Preferably Colored Ink)
- Protective Clothing: Gown, Mask, and Gloves

<b>Real World Parenting</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Do you love children? Maybe you dream of being a parent someday. But perhaps you are also asking yourself, just how, exactly, do you learn to parent? Learning how to care for children while teaching them confidence and accountability is not an easy feat. In Real World Parenting, you’ll learn that being a parent is much more than simply feeding, bathing, and protecting a child. Creating a positive environment, nurturing, fostering education, and serving as a role model are all critical aspects as well. You’ll learn how to be a positive force in the development of your future children as well as others around you.</p> <p><b>Required Materials:</b> None</p>	

## Math Courses

<b>Algebra II Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 9-11	<b>Length:</b> Full Year
<b>Prerequisites:</b> Algebra I Comprehensive	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Algebra II Comprehensive – is a full-year, high school math course intended for the student who has successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre- calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric</p>	

identities and problem solving. This course has been used, without any accommodations or reduction of content, in Honors programs

**Required Materials:** Scratch Paper/Notebook, Graph Paper, and Scientific or Graphing Calculator

<b>Algebra II Foundations</b>	<b>Credits:</b> 1
<b>Grade:</b> 9-11	<b>Length:</b> Full Year
<b>Prerequisites:</b> Algebra I Foundations	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Algebra II Foundations is a full-year, high school math course intended for the student who has successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem solving.</p> <p><b>Required Materials:</b> Scratch Paper/Notebook and Scientific or Graphing Calculator</p>	

<b>Analytic Geometry Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 9-11	<b>Length:</b> Full Year
<b>Prerequisites:</b> Coordinate Algebra	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Analytic Geometry is a full year high school mathematics course intended for the student who has successfully completed Coordinate Algebra. This course is designed to prepare students for college-level and real-world mathematical reasoning. The concepts covered in this course integrate the topics of Advanced Algebra, Geometry, Trigonometry, and Statistics. Throughout the course, students will explore higher order strategies necessary for analyzing multi-level linear, quadratic and polynomial functions and equations, investigate geometric proofs involving similarity and congruence in triangles and quadrilaterals as well as special angle relationships formed by parallel lines and transversals. Students are exposed to several branches of mathematics and will explore ways in which each one can be used as a mathematical model in understanding the world. This course has been used, without any accommodations or reduction of content, in Honors programs</p> <p><b>Required Materials:</b> Scratch Paper/Notebook</p>	

<b>AP Calculus (AB)</b>	<b>Credits:</b> 1
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Pre-Calculus	<b>Vendor:</b> AccelerateEd
<p><b>Description:</b> This AP Calculus course is designed with the intent for students to incorporate the concepts of all previous math courses and expand upon these concepts with the implementation of Limits. Emphasis is placed upon the multi-representational approach to calculus where problems and their solutions are explored and interpreted graphically, numerically, analytically and verbally. Students will also be required to explain their answers in written form and will be asked to compare their written response to the AP grading rubric and explain why they feel they should receive that grade. Students are required to use graphing calculators with the capabilities ascribed by the College Board: (<a href="http://apcentral.collegeboard.com">apcentral.collegeboard.com</a>).</p>	

These calculators will be used in a variety of ways including multi-representation of equations (graphs and tables) and also for conducting explorations with various functions and how different values change the look of the function.

**Required Materials:** Graphing calculator  
 Calculus (AP Edition Updated – 2016) By Ron Larson, Bruce Edwards  
 ISBN-13: 978-1305952874 \$110.00 hardback  
 ISBN-10: 1305952871  
 Cracking the AP Calculus AB Exam 2019  
 ISBN-13: 978-1524757977 \$16.67  
 ISBN-10: 1524757977

<b>AP Calculus (BC)</b>	<b>Credits:</b> 1
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Pre-Calculus	<b>Vendor:</b> AccelerateEd
<p><b>Description:</b> AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.</p> <p><b>Required Materials:</b> Graphing calculator          CALCULUS: EARLY TRANSCENDENTALS 8TH EDITION BY JAMES STEWART          ISBN-10:1285741552          ISBN-13:978-1285741550          The textbook below is required to purchase for Semester B          Cracking the AP Calculus BC Exam, 2019 Edition          ISBN-13: 978-1524757991          ISBN-10: 1524757993</p>	

<b>Consumer Math Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 10-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Middle School Level math.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics.</p> <p><b>Required Materials:</b> Scratch paper/notebook, calculator</p>	

<b>Geometry Comprehensive</b>	<b>Credits: 1</b>
<b>Grade: 10-12</b>	<b>Length: Full Year</b>
<b>Prerequisites: Algebra I Comprehensive</b>	<b>Vendor: Odysseyware</b>
<p><b>Description:</b> Geometry Comprehensive is a full-year, high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, quadratic, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction. This course has been used, without any accommodations or reduction of content, in Honors programs.</p> <p><b>Required Materials:</b> Scratch Paper/Notebook, Pencil, Ruler, Compass, Protractor, Scientific Calculator</p>	

<b>Keystone Algebra I - REQUIRED 9TH GRADE</b>	<b>Credits: 1</b>
<b>Grade: 9</b>	<b>Length: Full Year</b>
<b>Prerequisites: Mathematics 800 Fundamentals or Fundamentals 800</b>	<b>Vendor: Odysseyware</b>
<p><b>Description:</b> Keystone Algebra I is a full year, high school credit course that is intended for the student who has successfully mastered the core algebraic concepts covered in the prerequisite course, Mathematics 800 Fundamentals. Within the Keystone Algebra I course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions.</p> <ul style="list-style-type: none"> <li>-Foundations of Algebra: Student will identify different real number properties, and how to use them to solve algebraic expressions.</li> <li>-Linear Equations: Student will translate word problems into algebraic equations, and solve them using real number properties, converting between fractions, decimals, and percents.</li> <li>-Functions: Student will understand the characteristics of functions, how to plot them, how to derive their equations, and determine what type of function a graph represents.</li> <li>-Inequalities: Student will write, graph, and solve inequalities using real number properties.</li> <li>-Linear Systems: Student will determine the solution of a pair of linear equations, using the addition method, substitution method and matrices.</li> <li>-Polynomials: Student will add, subtract, multiply, and divide monomials and polynomials, as well as factor polynomials, using several different methods.</li> <li>-Exponential and Radical Functions: Student will simplify powers of products, a power raised to a power, and quotients of powers, using the rule of exponents, and add, subtract, multiply, and divide radical expressions to solve equations.</li> <li>-Quadratics: Student will identify, write, and graph various triangle, circle and quadratic equations and inequalities using the Pythagorean theorem, and by factoring, completing the square, and using the square root method.</li> <li>-Rational Expressions: Student will add and subtract fractions with like and unlike denominators, solve proportions, equations and inequalities containing rational expressions, and solve different word problems using rational equations.</li> <li>-Probability and Statistics: Student will determine the central tendencies of a given data set, as well as evaluate probability of possible outcomes using multiple methods.</li> </ul> <p><b>Required Materials:</b> Scratch paper/notebook, graph paper, printer</p>	

<b>Pre-Calculus Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Algebra I, II, and Geometry	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Pre-calculus Comprehensive is a full-year, high school credit course that is intended for the student who has successfully mastered the core algebraic and conceptual geometric concepts covered in the prerequisite courses: Algebra I, Geometry, and Algebra II. The course primarily focuses on the skills and methods of analytic geometry and trigonometry while investigating further relationships in functions, probability, number theory, limits, and the introduction of derivatives.</p> <p><b>Required Materials:</b> Scratch Paper/Notebook, Scientific Calculator, Graph Paper-Coordinate and Polar</p>	

<b>Trigonometry Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 11-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Algebra I, Geometry, and Algebra II	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Trigonometry is a five-unit elective course for high school students who have successfully completed Algebra I, Geometry, and Algebra II. The materials cover a development of trigonometry from right triangle trigonometry to oblique triangles and the polar plane. Throughout the course, students will develop trigonometric formulas and use them in real-world applications, evaluate trigonometric proofs using complex trigonometric identities and solving trigonometric equations with regard to the unit circle.</p> <p><b>Required Materials:</b> Scratch Paper/Notebook, Scientific Calculator, Printer</p>	

## Music Courses

<b>Music Appreciation Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> The goal of this semester-long course is to provide instruction in basic musical elements, trace the development and growth of classical music, and give students a strong foundation for a greater appreciation of music. Students will examine music in the world around them and discover how they experience music. They'll be introduced to the basic elements and sounds of music and instruments. Students will learn the names and backgrounds of several famous musical composers. Students will also learn how and where classical music began, how it developed over the centuries, and the ways in which music and culture affect each other. Lastly, students will examine the ways modern music has been influenced by classical music.</p> <p><b>Required Materials:</b> Internet or other research material, Paper, pencil, or other writing material, Printer, Access to at least 20 minutes of recorded or live classical music, Access to listening samples of traditional ethnic music, Access to at least 10 minutes of a listening sample of traditional ethnic music, Access to a listening sample of a favorite song, Internet access to a musical piece, "The Young Person's Guide to the</p>	

Orchestra” by Benjamin Britten, Access to two or three pictures of student’s choice of musical instrument, Access to two listening samples of student’s choice of musical instrument, Access to listening samples of music created by student’s choice of composer, Access to listening samples of music created by student’s choice of classical music composer, Access to listening samples of music created by student’s choice of Romantic music composer, Access to photographs of the following two paintings: “The Hay Wain” by John Constable and “The Battle of Trafalgar” by J.M.W. Turner, Access to listening samples (at least 10 minutes long) of music created by student’s choice of 20th-century music composer, Access to listening samples (at least 10 minutes long) of music created by student’s choice of 20th-century American music composer, Option 1: Attend a local classical music concert. Option 2: If no live concerts are available, an audio-visual recording of a classical music concert may be substitute

<b>Music Appreciation: The Enjoyment of Listening</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Have you ever heard a piece of music that made you want to get up and dance? Cry your heart out? Sing at the top of your lungs? Whether pop, classical, or anything in between, music provides a powerful way for people to celebrate their humanity and connect with something larger than themselves. Music Appreciation: The Enjoyment of Listening not only will provide a historical perspective on music from the Middle Ages to the 21st century, but it will also teach you the essentials of how to listen and really hear (with a knowledgeable ear) the different music that’s all around you. Learning how to truly appreciate sound and melody is the best way to ensure a continued love of this delightful art form.</p> <p><b>Required Materials:</b> None</p>	

<b>Music Theory Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Music Theory is a semester-length fine arts elective for high school students. The course requires no prior instrumental, vocal, or music theory study. Using the piano keyboard as a visual basis for comprehension, the course materials explore the nature of music, integrating these concepts:</p> <ul style="list-style-type: none"> <li>• rhythm and meter</li> <li>• written music notation</li> <li>• the structure of various scale types</li> <li>• interval qualities</li> <li>• melody and harmony</li> <li>• the building of chords</li> <li>• transposition</li> </ul> <p>Throughout the series of assignments, ear training exercises are interspersed with the bones of composition technique, building in students the ability not only to hear and appreciate music, but step-by-step, to create it in written form as well.</p> <p>This highly interactive course culminates in the students producing original compositions, which while based on standard notation, demonstrate facets of personal expression. As the students’ ability to</p>	

perform increases in the future, they will better understand music and therefore better demonstrate its intrinsic communication of emotion and ideas.

**Required Materials:** Internet or other research material, Printer, Noteflight (online notation program linked within course)

## Science Courses

<b>AP Biology</b>	<b>Credits: 1</b>
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> None	<b>Vendor:</b> AccelerateEd
<p><b>Description:</b> This course is taught at the college level and designed to prepare students to take the Advanced Placement Examination and score high enough to earn college credit in those colleges that recognize the examination. College level textbooks are used. The course will cover all of the topics in the AP Biology Course Description. These include biochemistry, cell structure and function, cell energetics, cellular reproduction and communication, heredity, molecular genetics, evolution, ecology, diversity of organisms, structure and function of plants and animals, and comparative anatomy.</p> <p><b>Required Materials:</b> Campbell Biology AP Edition 2017 -Lisa Urry, Michael Cain, Steven Wasserman, Peter Minorsky, Jane Reece, Neil Campbell. ISBN-13: 978-0134433691 ISBN-10: 134433696 5 Steps to a 5 AP Biology 2019 ISBN-13: 978-1260122817 ISBN-10: 1260122816 Lab kit: <a href="https://www.qualitysciencelabs.com/advanced-biology/advanced-biology-kit/">https://www.qualitysciencelabs.com/advanced-biology/advanced-biology-kit/</a></p>	

<b>AP Chemistry</b>	<b>Credits: 1</b>
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> None	<b>Vendor:</b> AccelerateEd
<p><b>Description:</b> This course is taught at the college level and is designed to prepare students to take the Advanced Placement Examination and to score high enough to earn college credit in those colleges that recognize the examination. College level textbooks are used. The course will cover all of the topics in the AP Chemistry Course Description. These include an introduction to chemistry as the study of change, gases, thermochemistry, quantum theory, chemical bonding, crystals, phase changes, solutions, chemical kinetics, chemical equilibrium, acids and bases, entropy, electrochemistry, nuclear chemistry, metallurgy,</p>	



alkali and alkaline metals, nonmetallic metals, transition metals, organic chemistry, and synthetic and natural organic polymers.

**Required Materials:** AP Chemistry Chang – Raymond Chang, Kenneth Goldsby – 12th Edition, 2016

ISBN-13: 978-0076727704

ISBN-10: 007672770X

Cracking the AP Chemistry Exam 2019

ISBN-13: 978-0525567493

ISBN-10: 0525567496

Advanced Microchem Kit: <https://www.qualitysciencelabs.com/advanced-chemistry/advanced-microchem-kit/>

<b>AP Physics 1</b>	<b>Credits:</b> 1
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Algebra 2	<b>Vendor:</b> AccelerateEd
<p><b>Description:</b> AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.</p> <p>Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress.</p> <p>Semester A</p> <p>Students explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world.</p> <p><b>Required Materials:</b> Graphing Calculator Cracking the AP Physics 1 Exam, 2019 ISBN-13: 978-1524758080 ISBN-10: 1524758086 Lab Materials: <a href="https://accelerate.education/wp-content/uploads/2017/03/APPhysics_MaterialsInfo.pdf">https://accelerate.education/wp-content/uploads/2017/03/APPhysics_MaterialsInfo.pdf</a></p>	

<b>Astronomy 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 10-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> The universe is truly the last unknown frontier and offers more questions than answers. Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since humans first glimpsed into the vastness of the night sky, we have been fascinated with the celestial world of planets and stars. Astronomy: Exploring the Universe introduces you to the engaging world of astronomy. By using</p>	

online tools, you will examine such topics as the solar system, space exploration, and the Milky Way and other galaxies. The course also explores the history and evolution of astronomy including those basic scientific laws of motion and gravity that have guided astronomers as they made their incredible discoveries of the universe.

**Required Materials:** None

<b>Astronomy 1b: Exploring the Universe</b>	<b>Credits:</b> .5
<b>Grade:</b> 10-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Astronomy 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building upon the prior prerequisite course, this course presents a variety of subjects that allow the student to become more familiar with the universe. Students will explore the solar system, the sun, comets, asteroids, and meteors as well as become familiar with the concepts of space travel and settlements. Students will also examine the life cycle of stars and the properties of planets.</p> <p><b>Required Materials:</b> None</p>	

<b>Chemistry Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 10-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Middle school general science. Chemistry should be preceded by an Algebra I course and preceded or accompanied by an Algebra II course.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Chemistry is intended to provide a more in-depth study of matter and its interactions. In preceding years students should have developed an understanding for the macroscopic properties of substances and been introduced to the microstructure of substances. This chemistry course will expand upon that knowledge, further develop the microstructure of substances and teach the symbolic and mathematical world of formulas, equations, and symbols.</p> <p>The major concepts covered are measurement in chemistry, atomic structure, chemical formulas and bonding, chemical reactions, stoichiometry, gases, chemical equilibrium, and organic chemistry. Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.</p> <p>Chemistry should be preceded by an Algebra I course and preceded or accompanied by an Algebra II course. This course has been used, without any accommodations or reduction of content, in Honors programs</p> <p><b>Required Materials:</b> Household items to be used for experiments, Word processing software, internet research resources, spreadsheet software.</p>	

<b>Earth Science Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 10-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Middle school level general science.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Earth Science is a basic science course intended to further explore the designs and patterns of our planet. This course covers such areas as the origin, history, and structure of the earth. It also covers forces that cause change on the earth and features of the earth including the crust, water, atmosphere, weather, and climate. Earth science wraps up with astronomy and a study of all the planets, the solar system, and galaxies. The course strives to teach that each feature of the earth interacts with the others in many critical ways, and the study of these relationships is important to humanity.</p> <p>Students at this level should show development in their understanding of scientific inquiry. Some of the units contain experiments and projects that seek to develop meaning and to actively engage the student. The continued exposure to science concepts and scientific inquiry will serve to improve the students' skill and understanding. This course has been used, without any accommodations or reduction of content, in Honors programs.</p> <p><b>Required Materials:</b> Household items to be used for experiments, Word processing software, internet research resources, spreadsheet software.</p>	

<b>Environmental Science Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 10-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Middle school level general science.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Environmental Science is an interdisciplinary course covering a wide variety of topics including biology, physics, geology, ecology, chemistry, geography, astronomy, meteorology, oceanography, and engineering. The course also considers ways in which human populations affect our planet and its processes. Of special emphasis is the concept of sustainability as a means of using resources in a way that ensures they will always be around us.</p> <p><b>Required Materials:</b> Household items to be used for experiments, Word processing software, internet research resources, spreadsheet software.</p>	

<b>Forensic Science 1: Secrets of the Dead</b>	<b>Credits:</b> .5
<b>Grade:</b> 10-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Fingerprints. Blood spatters. Gunshot residue. If these things intrigue you rather than scare you, Forensic Science 1: Secrets of the Dead may be for you. This course offers you the chance to dive into the riveting job of crime scene analysis. Learn the techniques and practices applied during a crime scene investigation and how clues and data are recorded and preserved. You will better understand how forensic science applies technology to make discoveries and bring criminals to justice as you follow the entire forensic process—from pursuing the evidence trail to taking the findings to trial. By careful examination of the crime scene elements, even the most heinous crimes can be solved</p> <p><b>Required Materials:</b> None</p>	

<b>Forensic Science 2: More Secrets of the Dead</b>	<b>Credits:</b> .5
<b>Grade:</b> 10-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Forensic Science 1: Secrets of the Dead	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Every time a crime is committed, a virtual trail of incriminating evidence is left behind just waiting to be found and analyzed. In Forensic Science 2: More Secrets of the Dead, you'll learn even more about the powerful science of forensics and how it has changed the face of crime and justice in our world. You will learn some basic scientific principles used in the lab, such as toxicology, material analysis, microscopy, and forensic anthropology and find out how scientists use everything from insects to bones to help them solve crimes. Discover how advanced techniques and methodical processes can lead to catching even the craftiest criminal. The best way to battle crime these days is not with a weapon, but with science.</p> <p><b>Required Materials:</b> None</p>	

<b>Forensics 1a: Introduction to the Forensic Scene</b>	<b>Credits:</b> .5
<b>Grade:</b> 10-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> We watch with interest as crime scenes are dramatized on television and in film, and sit on the edge of our seat as various members of the justice system solve the most baffling cases. But what about the science behind the crime? Forensics: The Science of Crime explores the role science and technology plays in this fascinating and growing career. In this course, you'll learn the specialized skills and techniques used during a crime scene investigation and how evidence and data is expertly collected, preserved, and analyzed. With a strong focus on the innovative science used in the field as well as participation in interactive activities, you will follow the entire forensic process – from examining evidence to taking the findings to trial – and learn how the professionals are utilizing science to bring criminals to justice.</p> <p><b>Required Materials:</b> None</p>	

<b>Forensics 1b: The Science of Crime</b>	<b>Credits:</b> .5
<b>Grade:</b> 10-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Forensics 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will continue their experience with forensic science by examining the properties of DNA and how it is used in trials. Also, students will learn about explosion and arson evidence, the scientific method, as well as basic anatomy and genetics. Finally, the importance of applied physics and chemistry to crime scenes are studied, rounding out a comprehensive analysis of forensic science.</p> <p><b>Required Materials:</b> None</p>	

<b>Integrated Physics and Chemistry Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 11-12	<b>Length:</b> Full Year

<b>Prerequisites:</b> Middle school level general science.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Integrated Physics and Chemistry is a physical science course designed for high school students needing an entry-level science course covering basic concepts found in chemistry and physics. Topics included in this study are:</p> <ul style="list-style-type: none"> <li>• matter,</li> <li>• motion and forces,</li> <li>• work and energy,</li> <li>• electricity and magnetism, and</li> <li>• waves.</li> </ul> <p>Throughout the course, students will have opportunities to observe simulations, investigate ideas, and solve problems—both on screen and away from the computer. This course has been used, without any accommodations or reduction of content, in Honors programs.</p> <p><b>Required Materials:</b> Household items to be used for experiments, Word processing software, internet research resources, spreadsheet software.</p>	

<b>Keystone Biology - REQUIRED 9TH GRADE</b>	<b>Credits:</b> 1
<b>Grade:</b> 9	<b>Length:</b> Full Year
<b>Prerequisites:</b> Middle school general level science and the course should be preceded or accompanied by an Algebra I course.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Keystone Biology is intended to expose students to the designs and patterns of living organisms and their interactions with the environment. In preceding years, students should have developed a foundational understanding of life sciences. Expanding on that, this Biology course will incorporate more abstract knowledge. The student’s understanding should encompass both the micro and macro aspects of life, and this biology course includes both. The major concepts covered are taxonomy, the chemical basis of life, cellular structure and function, genetics, microbiology, plant structure and function, animal structure and function, and ecology and the environment.</p> <p>Students at this level should show development in their understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for students and that actively engage them. The continued exposure of science concepts and scientific inquiry will serve to improve the students’ skills and understanding. Keystone Biology should be preceded or accompanied by an Algebra I course.</p> <p><b>Required Materials:</b> Word processing software, Presentation software</p>	

<b>Marine Science 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 10-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Students will explore the development of oceans and the role water plays in shaping our environment and climate! Learners will discover the oceanic and freshwater process, changes in ecosystems, and the connection between water and weather. Students will also learn about energy in the ocean, including the principles of fluid dynamics, and the measurable properties of waves. Using scientific inquiry, research, measurement, and problem solving, students will conduct various scientific procedures that will lead to increased knowledge about marine science.</p>	

**Required Materials:** None

<b>Marine Science 1b: Secrets of the Blue</b>	<b>Credits:</b> .5
<b>Grade:</b> 10-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Marine Science 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will further explore the aquatic cycles, structures, and processes that generate and sustain life in the sea. Students will learn about the importance of adaption for survival, the role of natural selection in evolution, and how humans interact with the environment. Students are also introduced to the scientific and ethical questions that arise during advanced experiments while discovering the exciting career opportunities that exist in the world of marine science!</p> <p><b>Required Materials:</b> None</p>	

<b>Physics Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 10-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Algebra I, II, and Geometry. (Integrated Physics and Chemistry is also recommended)	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Physics is intended to provide a more in-depth study of the physical universe. In preceding years students should have developed a basic understanding for the macroscopic and microscopic world of forces, motion, waves, light, and electricity. The physics course will expand upon that prior knowledge and further develop both. The curriculum will also seek to teach the symbolic and mathematical world of formulas and symbols used in physics. The major concepts covered are kinematics, forces and motion, work and energy, waves, sound and light, electricity and magnetism, and nuclear physics. Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for students and actively engage them. The continued exposure to science concepts and scientific inquiry will serve to improve the students' skill and understanding.</p> <p>Physics should be preceded by Algebra I and II courses and geometry.</p> <p><b>Required Materials:</b> Household items to be used for experiments, Word processing software, internet research resources, spreadsheet software.</p>	

## Social Studies Courses

<b>African American History 1a Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Over the course of U.S. history, how have African Americans helped shaped American culture? This African American History course answers that question by tracing the accomplishments and obstacles of African Americans beginning with the slave trade on up to the modern Civil Rights movement. What was it like during slavery, or after emancipation, or during the years of discrimination under Jim Crow? Who were some of the main figures who have shaped African American history? In this course, you'll learn about the political, economic, social, religious, and cultural factors that have influenced African American life, come face to face with individuals who changed the course of history, and explore how the African American story still influences current events today.</p> <p><b>Required Materials:</b> None</p>	

<b>African American History 1b: From Reconstruction to Today</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> African American History 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will come face-to-face with individuals who changed the course of African American history and learn more about slavery, racism, and the Civil Rights Movement. By analyzing the effects of segregation, violence and justice in the Jim Crow era, students will understand the causes of the race riots and the Civil Rights Movement. Students will also explore how the history and experience of African Americans continues to influence current events today.</p> <p><b>Required Materials:</b> None</p>	

<b>AP Comparative Government and Politics Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Government recommended.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course will first and foremost prepare the students to be successful on the AP Comparative Government and Politics exam. The tests and written work will be formatted in a manner similar to the exam to allow them practice and refinement over the year. The course will, on its broadest level, consider "ideas and their consequences." Ideas and worldviews are at the root of how everyone sees the world</p>	

(metaphysics), and gains knowledge and understands truth (epistemology). An individual's and a government's view of these things influences their decisions, and ultimately lives and countries are impacted. Today's world is highly interdependent and global in nature. Students will learn to think globally and will explore the impact of countries' interactions. Students will learn, not only how countries interact and affect the world, but also how other governmental and non-governmental organizations shape our world. We will compare and contrast ideologies, governments, and policies in order to grasp the significance of the current world political scene and analyze its impact. We will focus primarily on the following countries: the USA, Great Britain, Russia, China, Mexico, Nigeria, and Iran. These countries will not only prepare the students for the exam but will give them a broad understanding of the major political systems.

**Required Materials:** Drogus, Orvis, *Introducing Comparative Politics: Concepts and Cases in Context*, 3rd edition. Sage, CQ Press 2013. (Primary textbook.) Wood, Ethel. *AP Comparative Government and Politics: An Essential Coursebook and Study Guide*. 6th edition Woodyard Publications, 2013. (Supplemental textbook.) "The Most Successful Revolution" by Irving Kristol. Access to websites: American Thinker, Foreign Affairs, Foreign Policy Review, CIA World Factbook, and The Economist

<b>AP European History</b>	<b>Credits: 1</b>
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> None	<b>Vendor:</b> AccelerateEd
<p><b>Description:</b> This AP study of European history since 1300 introduces students to economic, cultural, social and political developments. These developments played a fundamental role in shaping the world in which they live.</p> <p>Second Semester will introduce students to the birth of modern political thought, Great Depression and World War II. They will study the Cold War and the collapse of communism and wrap up with the dawn of the 21st Century. Students will complete a project at the end of each unit with the final project being a critical analysis.</p> <p><b>Required Materials:</b> <i>Western Heritage, since 1300 (11th Edition)</i> – Donald Kagan  ISBN-13: 978-0134050225 \$104.68 hardcover  ISBN-10: 134050223  <i>Cracking the AP European History Exam, 2019 Edition</i>  ISBN-13: 978-0525567509  ISBN-10: 052556750X</p>	

<b>AP Human Geography Comprehensive</b>	<b>Credits: 1</b>
<b>Grade:</b> 10-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> World Geography recommended prior to taking the AP course.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Human Geography is taught as an introductory-level college course intended to prepare students for the Advanced Placement Human Geography exam. This two-semester course will teach students the basic concepts of human geography and give them a geographic framework for the analysis of current world problems through case studies, computer applications, and fieldwork. The students will learn to use the tools of a geographer to ask geographic questions; acquire,</p>	



organize, and analyze geographic information; and answer geographic questions. They will also take online, multiple-choice quizzes, and practice free-response questions (FRQs) in preparation for the AP exam.

Each Unit contains multiple choice quizzes and a Unit exam consisting of multiple choice and free-response questions. This course is taught as a totally asynchronous course.

**Required Materials:** Human Geography: Landscapes of Human Activities , by Jerome Fellmann, Mark Bjelland, Arthur Getis, and Judith Getis, 11th edition, McGraw-Hill, 2010. (Main text) Human Geography in Action, by Michael Kuby, John Harner, and Patricia Gober, 6th edition, John Wiley & Sons, Inc., 2012. (Supplemental text.) Both books should be purchased. Will need access to map collections, atlases, encyclopedias, and other reference materials both online and from local libraries. Access to videos from the Power of Place: Geography for the 21st Century and the Human Geography: People, Places, and Change video series by Annenberg.

<b>AP Macroeconomics Comprehensive</b>	<b>Credits: 1</b>
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Economics recommended	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Macroeconomics is the study of the performance of an economy as a whole. This course will cover in detail basic economic concepts, measurement of economic performance, national income and price determination, the financial sector, inflation, unemployment and stabilization policies, economic growth and productivity, and international trade and finance. Upon completing this course, students will be trained to interpret economic news, understand the effects of government policies, and excel on the AP exam. The learning methodologies in this course are varied and highly interactive, and the main textbook will be supplemented with economic simulation games, application reports, assessments, and videos.</p> <p><b>Required Materials:</b> Word processor, internet research resources, Principles of Economics, 2.0 Version, Libby Rittenberg and Timothy Tregarthen; ISBN 978-1453352335, Flat World Knowledge Inc. Publications. Advanced Placement Economics: Macroeconomics, Student Manual, 4th Edition, Margaret A. Ray; ISBN 978-1-56183-668-0, Concil for Economic Education.</p>	

<b>AP United States History</b>	<b>Credits: 1</b>
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> None	<b>Vendor:</b> AccelerateEd
<p><b>Description:</b> AP United States History is an intensive full year course divided into two semesters. The course focuses on exploring and analyzing American historical events, individuals and cultural trends. You will be prepared with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. This first semester course covers the time frame of 1492 to 1877, and the second semester course covers the time frame 1878 to present.</p> <p>This course is designed to prepare students for the Advanced Placement exam in United States History that is administered by the College Board Educational testing center. The class satisfies the United States History requirement for graduation.</p>	

**Required Materials:** The American Pageant 16th Edition, David M. Kennedy, Lizabeth Cohen  
 ISBN-13: 978-1305075900  
 ISBN-10: 1305075900  
 Cracking the AP U.S. History Exam, 2019 ISBN-13: 978-1524758165 ISBN-10: 1524758167

<b>AP US Government and Politics</b>	<b>Credits:</b> 1
<b>Grade:</b> 10-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> None	<b>Vendor:</b> AccelerateEd
<p><b>Description:</b> This course examines the U.S. political system. Students in this course will discuss political ideology, the development of the political system and democratic institutions. Students should, according to the College Board, gain an “analytical perspective on government and politics in the United States.” Furthermore, students will study “both the general concepts used to interpret U.S. politics and the analysis of specific examples” throughout history. The class discussion will require that students acquire a “familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics.” The main emphasis of the course, however, is to be able to apply a basic comprehension of the U.S. political system to contemporary events.</p> <p><b>Required Materials:</b> American Democracy Now, Fifth Edition, AP Edition        ISBN-13: 978-0076788279        ISBN-10: 007678827X        Cracking the AP U.S. Government &amp; Politics Exam 2019        ISBN-13: 978-0525567608        ISBN-10: 0525567607</p>	

<b>AP World History</b>	<b>Credits:</b> 1
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> None	<b>Vendor:</b> AccelerateEd
<p><b>Description:</b> The first semester of AP World History delves into the history of mankind. Looking back to the prehistoric times, students will develop the connections between the early river valleys, the beginnings of civilizations, and governments. Through this semester, students will be introduced to concepts that will be placed on the AP examination, and will also be given multiple opportunities to practice skills necessary for the AP exam. This specific time will start from the First Agricultural Revolution to the Age of Exploration.</p> <p><b>Required Materials:</b> Bentley, Traditions &amp; Encounters: A Global Perspective on the Past UPDATED AP Edition © 2017, 6e, Student Edition        ISBN-13: 978-0077504908        ISBN-10: 0076681289        AP World History Prep Plus 2018-2019        ISBN-13: 978-1506203379        ISBN-10: 150620337X</p>	

<b>Archaeology: Detectives of the Past</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> The famous Spanish philosopher and writer George Santayana once said, “Those who cannot remember the past are condemned to repeat it.” We know from studying history how true this statement is, and the age-old field of archaeology helps us to better understand, through discovery and analysis, how ancient civilizations have shaped the modern world. This fascinating course, Archaeology: Detectives of the Past, explores the various techniques, methods, and theories of this field and illustrates how archaeologists conduct their studies. What is it like to uncover precious artifacts? How are they located and preserved? Find the answer to these questions and more as you learn how ancient discoveries can unlock the secrets of a long and colorful past.</p> <p><b>Required Materials:</b> None</p>	

<b>Civil War Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> You are about to embark on the fascinating history of the Civil War. It is a story of human choices that linked the past to the present and influenced the future. It is a drama of how one nation changed through times of conflict and cooperation. It is a tale of two children (the North and South) living under the same roof (The United States) and how they disagreed over the issues of states' rights and slavery.</p> <p>As you study the Civil War, you will detect patterns in the way people thought and acted. You will see familiar patterns in how battles were won and lost. You will also note how events happening today affect the future. The principle of cause and effect applies in everything you do.</p> <p>Even today, there are some people who believe the South won the Civil War or that the North had no right to abolish slavery. Others cannot believe that people from the South found nothing wrong with enslaving fellow human beings. For all these people, their view of history differs from one another based on their perspective.</p> <p>Regardless of where you stand, enjoy learning about this period in American history. It is filled with heroism and cowardness, conflict and cooperation, heartache and joy, triumph and tragedy. Hopefully, you will be able to apply the enduring understandings mentioned above to advance your understanding America.</p> <p><b>Required Materials:</b> Internet, encyclopedia or other research materials, Paper, pencils, or other writing materials, Printer, Trip to the library</p>	

<b>Economics Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Middle school level Social Studies/history	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> The goal of this semester-long course is to provide students with a strong foundation in basic economic principles. Students will examine topics such as:</p> <ul style="list-style-type: none"> <li>• Scarcity</li> <li>• Economic roles of individuals, organizations, and institutions</li> <li>• Factors that affect supply and demand</li> <li>• Different market structures</li> <li>• Market regulation</li> <li>• The Macroeconomy</li> </ul> <p><b>Required Materials:</b> Internet, encyclopedia or other research materials, paper, pencils, or other writing materials, Printer, Ten people (family, friends, classmates, etc) to participate in a very brief survey, calculator</p>	

<b>Government - REQUIRED 10TH GRADE</b>	<b>Credits:</b> .5
<b>Grade:</b> 10	<b>Length:</b> Semester
<b>Prerequisites:</b> Middle school level Social Studies/history.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Government focuses on American and international governments. Students will learn about the history of governments, the characteristics of the United States government, political parties, and voting. These areas of focus target two major content strands: History, and Government and Citizenship. This course has been used, without any accommodations or reduction of content, in Honors programs.</p> <p><b>Required Materials:</b> Internet, encyclopedia or other research materials, Paper, pencils, or other writing materials, Printer, Digital Presentation Tool, Digital Presentation Tool or video editing software, Word processing software or digital media software, Poster board, word processing software or digital media software</p>	

<b>History of the Holocaust 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> “Never shall I forget that night, the first night in camp, which has turned my life into one long night, seven times cursed and seven times sealed.” Elie Wiesel, a Holocaust survivor, wrote these words about his experiences in a Nazi concentration camp. History of the Holocaust will take you through the harrowing details of anti-Semitism, the power of the Nazi party, the persecution of European Jews and other groups, and the tremendous aftermath for everyone involved in World War II. You’ll explore the causes of the Holocaust, the experiences of Jews and other individuals during this time, and what has been done to combat genocide since WWII. “For the dead and the living, we must bear witness.”</p> <p><b>Required Materials:</b> None</p>	

<b>History of the Holocaust 1b: Enduring Legacy</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> History of the Holocaust 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will examine the aftermath of the Holocaust and its effect on the world. Students will explore the persecution of non-Jewish victims during the Holocaust, the Nazi party's attempt to cover up their crimes, and the responses of liberators to the existence and conditions in the camps. In addition, students will examine the Nuremburg trials and the subsequent changes to international law and medical ethics. Finally, students will learn about other genocides and ways that they can get involved to raise awareness and prevent future tragedies.</p> <p><b>Required Materials:</b> None</p>	

<b>Hospitality and Tourism Traveling the Globe</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Think about the best travel location you've ever heard about. Now imagine working there. In the 21st century, travel is more exciting than ever, with people traversing the globe in growing numbers. Hospitality and Tourism 1: Traveling the Globe will introduce you to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around the world of leisure and travel, spotting trends, and planning tasteful events are just a few of the key aspects you will explore in this course as you locate your own career niche in this exciting field.</p> <p><b>Required Materials:</b> None</p>	

<b>Hospitality and Tourism 2a: Hotel and Restaurant Management</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> If you love working with people, a future in hospitality may be for you. In Part 1 of Hospitality and Tourism 2a: Hotel and Restaurant Management, you will learn about what makes the hotel and restaurant industries unique. Learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Evaluate the environment for these businesses by examining their customers and their competition. As well, you will discover trends and technological advances that makes each industry exciting and innovative. In Part 1, you can explore a variety of interesting job options from Front Desk and Concierge services to Maître d and food service.</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• Computer with:</li> <li>• Internet access</li> <li>• Slideshow program like Keynote or PowerPoint</li> <li>• Word processing program like Microsoft Word</li> <li>• Video recording device</li> </ul>	

- Digital camera, cell phone, or computer with video capabilities
- Audio recording device
- Computer, cell phone app, or handheld voice recorder
- A friend or family member to assist with various activities/labs
- A real or fake telephone to use as a prop

**Optional Materials**

(only needed if student will not create labs/activities digitally)

- Craft materials:
- Crayons, markers, colored pencils
- Glue
- Scissors
- Poster board or butcher paper
- Printer

<b>Hospitality and Tourism 2b: Hotel and Restaurant Management</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Hospitality and Tourism 2a: Hotel and Restaurant Management	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building upon the prior prerequisite course, students will embark on their journey to becoming managers in the hotel and restaurant industry by gaining knowledge and developing a variety of skills. Students will learn of different management styles, laws, and regulations that govern hotels and restaurants as well as how to develop job descriptions and business plans. In addition, students will learn how to create menus, advertise vacancies, perform interviews, and understand financials of the hotel or restaurant.</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• Computer with internet access</li> <li>• Slideshow presentation program (PowerPoint, Keynote, etc.)</li> <li>• Word processing program (Microsoft Word, Text Editor, etc.)</li> <li>• Notetaking materials such as a notebook or clipboard</li> <li>• Pens and/or pencils</li> <li>• Camera with photo and video recording capabilities</li> <li>• Friend or family member volunteer</li> <li>• Stuffed animal or doll (for CPR demonstration if friend/family member unavailable)</li> <li>• Poster board and tri-fold board (if certain labs/activities are done by hand and not digitally)</li> </ul>	

<b>Human and Social Services 1a: Introduction</b>	<b>Credits:</b> .5
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<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Those working in the field of social services are dedicated to strengthening the economic and social well being of others and helping them lead safe and independent lives. In Human and Social Services 1, you will explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• Computer with internet access and a word processing program</li> <li>• Video recording device: smartphone, digital camera with audio, computer camera, or any other device than can record both video and sound</li> </ul> <p>Optional Materials</p> <ul style="list-style-type: none"> <li>• Drawing software</li> <li>• Brochure maker software</li> <li>• Multimedia-type programs</li> <li>• Paper and drawing tools</li> <li>• Digital scanner to scan hand-drawn images</li> <li>• Donation box</li> </ul>	

<b>Human and Social Services 1b: Working with Individuals and Families</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Human and Social Services 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will continue their experience with human and social services. Students will delve into the importance of families and their influence on society and the economy while examining human services available for families. Civil rights, workplace laws, and anti-discrimination laws are also discussed. Finally, career opportunities in this rewarding field are analyzed, as well as employment trends, opportunities for volunteer work, and education requirements for work, providing your students with a clear path to pursue opportunities in this field!</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• Computer with internet access and a word processing program</li> <li>• Video recording device: smartphone, digital camera with audio, computer camera, or any other device than can record both video and sound</li> </ul> <p>Optional Materials</p> <ul style="list-style-type: none"> <li>• Drawing software</li> <li>• Brochure maker software</li> <li>• Multimedia-type programs</li> <li>• Paper and drawing tools</li> <li>• Digital scanner to scan hand-drawn images</li> <li>• Donation box</li> </ul>	

<b>Human Geography: Our Global Identity</b>	<b>Credits:</b> .5
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<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Modern humans have been roaming the earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs and lifestyles? In Human Geography: Our Global Identity, you will explore the diverse ways that different people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Discover how beliefs and ideas spread through time, shaping and changing the cultures they encounter. In this course, you'll gain tremendous insight into human geography and begin to better understand the important relationship between humans and their environments.</p> <p><b>Required Materials:</b> None</p>	

<b>International Business: Global Commerce in the 21st Century</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Modern humans have been roaming the earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs and lifestyles? In Human Geography: Our Global Identity, you will explore the diverse ways that different people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Discover how beliefs and ideas spread through time, shaping and changing the cultures they encounter. In this course, you'll gain tremendous insight into human geography and begin to better understand the important relationship between humans and their environments.</p> <p><b>Required Materials:</b> None</p>	

<b>Introduction to Philosophy: The Big Picture</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Go on an exciting adventure covering over 2,500 years of history! Along the way, you'll run into some very strange characters, like the dirty barefoot man who hung out on street corners pestering everyone with questions, or that eccentric fellow who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the world's most brilliant and influential thinkers and originated the fundamental ideas of Western civilization. Philosophy: The Big Picture asks some of the same questions these great thinkers pondered, so by the time you've "closed the book" on this course, you will better understand yourself and the world around you—from atoms to outer space and everything in between.</p> <p><b>Required Materials:</b> None</p>	

<b>Law and Order: Introduction to Legal Studies</b>	<b>Credits:</b> .5
<b>Grade:</b> 10-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic



**Description:** Imagine if there were no laws and people could do anything they wanted. It's safe to say the world would be a pretty chaotic place! Every society needs some form of regulation to ensure peace in our daily lives and in the broader areas of business, family disputes, traffic violations, and the protection of children. Laws are essential to preserving our way of life and must be established and upheld in everyone's best interest. In Law and Order: Introduction to Legal Studies, you'll delve deeper into the importance of laws and consider how their application affects us as individuals and communities. Through understanding the court system and how laws are actually enacted, you will learn to appreciate the larger legal process and how it safeguards us all.

**Required Materials:** None

<b>Military Careers: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Most of us have seen a war movie; maybe it had a hotshot aviator or a renegade private or a daring Special Forces operative. But outside of these sensationalized portrayals, do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine, and Introduction to Military Careers will provide the information you need to gain a broader understanding of how to find the right fit. You will learn about the five military branches—Air Force, Army, Coast Guard, Marines Corps, and Navy—and examine which jobs you might like to pursue. From aviation, to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.</p> <p><b>Required Materials:</b> None</p>	

<b>National Security</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. In National Security, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.</p> <p><b>Required Materials:</b> None</p>	

<b>Personal Psychology 1: The Road to Self-Discovery</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic

**Description:** Have you ever wondered why you do the things you do? Have you asked yourself if self-knowledge is the key to self-improvement? Are you interested in how behavior changes as we age? Psychology can give you the answers! In Personal Psychology 1: The Road to Self-Discovery, you will trace the development of personality and behavior from infancy through adulthood. You will come to learn more about perception and consciousness and better understand the role of sensation. Are you ready to explore the world of human behavior? Come explore all that psychology can offer to help you to truly understand the human experience.

**Required Materials:** None

<b>Personal Psychology 2: Living in a Complex World</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Personal Psychology 1: The Road to Self-Discovery	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Why do you sometimes remember song lyrics but can't remember where you left your phone, your keys, or even your shoes? How does language affect the way we think? Why is your personality so different from (or so similar) your brother's or sister's personality? Personal Psychology 2: Living in a Complex World will you to explore what makes you 'you.' Why do some things motivate you more than others? How can you determine your IQ? If you've ever wanted to dive right into the depths of who you are and how you got to be you, jump on board and start your exploration now</p> <p><b>Required Materials:</b> None</p>	

<b>Principles of Public Service 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Ambulances scream along, heading toward those in need. But who makes sure someone is there to answer the 9-1-1 call? When you take a pill, who has determined that drug is safe for the public? All of these duties are imperative to our comfort and success as a society. Public service is a field that focuses on building a safe and healthy world, and in Principles of Public Service: To Serve and Protect you will be introduced to its many different career choices. The protection of society is not only one of our greatest challenges, it also provides ways for people to work together to ensure safety and provide indispensable services. If you've ever contemplated being one of these real-life heroes, now is the time to learn more!</p> <p><b>Required Materials:</b> None</p>	

<b>Principles of Public Service 1b: To Protect and Serve</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Principles of Public Service 1a: Introduction	<b>Vendor:</b> EDynamic

**Description:** Building on the prior prerequisite course, students will explore public service as a potential career. Information on educational and training requirements is provided on careers in educational services, social services, public safety, firefighting, criminal justice, and more! Students will also investigate ethics in public service, learn to design and deliver presentations, and develop public relations skills, equipping them with the necessary information to pursue a career in public service!

**Required Materials:** None

<b>Psychology Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Middle school level Social Studies.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Psychology is an introductory elective course for high school students. Throughout the course students will examine influences on human actions and beliefs, factors influencing behavior and perception, and basic psychological theories. Students will develop and apply their understanding of psychology through lessons and projects that require interaction and observation of others.</p> <p><b>Required Materials:</b> Internet, encyclopedia or other research materials, Apple, Onion, Pencil, Paper, elevator, Walking path</p>	

<b>Social Media 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Have a Facebook account? What about Twitter? Whether you've already dipped your toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning how to interact on social media platforms is crucial to surviving and thriving in this age of digital communication. In Social Media: Our Connected World, you'll learn the ins and outs of such social media platforms as Facebook, Twitter, Pinterest, Google+, and more and how to use them for your benefit—personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.</p> <p><b>Required Materials:</b> None</p>	

<b>Social Media 1b: Our Connected World</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Social Media 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will learn how to safely and effectively use social media platforms for personal, academic, and professional goals. Students will discover how to use</p>	

social media for marketing purposes and create their own strategies for implementation. Also, students will investigate how to use social media for education, such as study groups, and for professional reasons, like job searches and collaboration.

**Required Materials:** None

<b>Social Problems 1: A World in Crisis</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> War, crime, poverty, global warming—our world often seems full of dire warnings and predictions. How can we make sense of it all and still dare to step outside each day? Social Problems 1: A World in Crisis will explore some of the biggest challenges facing our world today and prepare you to tackle them head-on. You'll learn what led to these social problems, what effects they have on our lives and societies, and what possible solutions exist for solving them. Whether you want to save the world from the next pandemic or better understand the effects of the media on society, this course will help you develop a plan of action!</p> <p><b>Required Materials:</b> None</p>	

<b>Social Problems 2: Crisis, Conflicts, and Challenges</b>	<b>Credits:</b> .5
<b>Grade:</b> 11-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Social Problems 1: A World in Crisis	<b>Vendor:</b> EDynamic
<p><b>Description:</b> It may seem like we live in a sometimes scary and ever-changing world. Everywhere we look—from the homeless living on the streets, to world-wide health epidemics, to the often negative effects of our global world—problems seem to appear at every corner. In Social Problems 2: Crisis, Conflict, and Challenges, you'll explore more of the challenges we face and learn what we can do to reduce the effects of these conflicts and problems. From drug abuse to terrorists to the changing nature of communities in our digital world, we can better face and solve these problems when we have a deeper understanding of their causes and influences on our lives.</p> <p><b>Required Materials:</b> None</p>	

<b>Sociology 1: The Study of Human Relationships</b>	<b>Credits:</b> .5
<b>Grade:</b> 11-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Human beings are complex creatures; however, when they interact and begin to form relationships and societies, things become even more complicated. Are we more likely to act differently in a group than we will when we're alone? How do we learn how to be "human"? Sometimes it can feel as if</p>	

there are more questions than answers. Sociology 1: The Study of Human Relationships seeks to answer these questions and many more as it explores culture, group behavior, and societal institutions and how they affect human behavior. You'll learn how social beliefs form and how this shapes our lives. How does this happen? Join us and find out!

**Required Materials:** None

<b>Sociology 2: Your Social Life</b>	<b>Credits:</b> .5
<b>Grade:</b> 11-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Sociology 1: The Study of Human Relationships	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Why do people disagree on so many big issues? Where do culture wars come from? Maybe you've wondered this as you've looked through your social media feed or read the latest online article about groups fighting over different social issues. Sociology 2: Your Social Life takes a powerful look at how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change. Although the reality of the battles isn't always pretty, gaining a clearer picture of the different sides can help you better understand how our lives are shaped by entertainment, social institutions, and social change.</p> <p><b>Required Materials:</b> None</p>	

<b>US History: Foundations to Present Comprehensive -- REQUIRED 9TH GRADE</b>	<b>Credits:</b> 1
<b>Grade:</b> 9	<b>Length:</b> Full Year
<b>Prerequisites:</b> Middle School level Social Studies/History	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> U.S. History Foundations to Present covers early American exploration to the present day, placing special emphasis on the politics of the 18th and early 19th centuries and the Civil War. These areas of focus target three major content strands: History, Geography, and Government, and Citizenship. This course has been used, without any accommodations or reduction of content, in Honors programs.</p> <p><b>Required Materials:</b> Internet, encyclopedia or other research materials, paper, pencils, or other writing materials, Printer, Copy of Martin Luther King's "I Have a Dream" speech, word-processing software</p>	

<b>US History: Reconstruction to Present Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 10-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Middle School level Social Studies/History. U.S. History Foundations to Present recommended.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> U.S. History Reconstruction to Present examines American history from the Civil War to the present day, placing special emphasis on the major political, economic, and social movements of the</p>	

twentieth century. This course has been used, without any accommodations or reduction of content, in Honors programs.

**Required Materials:** Internet, word-processing software, encyclopedia or other research materials, paper, pencils, or other writing materials, Printer, multimedia, presentation software

<b>Vietnam Era Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 11-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Middle School level Social Studies/History.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> What comes to mind when you think about the Vietnam Era? For many, that period represents a difficult time in U.S. history. It is defined by an unpopular war that claimed the lives of 58,000 Americans and some 3 million Vietnamese. In this course, you'll look at the history of the Vietnam War. The roots of the conflict stretch further back than you might know. You'll examine why the United States got involved in the conflict and why the United States failed to achieve its objectives.</p> <p><b>Required Materials:</b> Internet or other research material, encyclopedia, paper, pencils, printer, word-processing software, Powerpoint software program, Examples of antiwar songs</p>	

<b>Women's Studies: A Personal Journey Through Film</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Maybe you grew up watching movies with female characters like Cinderella, Belle, Snow White, or Ariel. Maybe you've wondered why there are stereotypes about women being bad drivers or ignorant about sports. Maybe you want to know about feminism and the women's movement. Women's Studies: A Personal Journey Through Film can help you answer these questions. Though it focuses on the experience of women, it's appropriate for anyone who wants to learn to critically examine films while learning about the history of the women's movement and how gender, race, and social class influence us.</p> <p><b>Required Materials:</b> None</p>	

<b>World Geography Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Middle School level Social Studies/History.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> World Geography takes students on a journey around the world in which they will learn about the physical and human geography of various regions. They will study the history of each region and examine the political, economic, and cultural characteristics of the world in which we live. Students will also learn about the tools and technologies of geography such as globes, maps, charts, and global</p>	

information systems. This course has been used, without any accommodations or reduction of content, in Honors programs

**Required Materials:** Internet, encyclopedia or other research materials, Paper, pencils or other writing materials, Printer, World and state maps may be helpful to have for this course, Three articles with a geographic focus, Scanner (if articles and map are in print form, they must be scanned to upload a digital copy), Digital art software or website creation application, Digital art software, multimedia design software, or presentation software, Word processing software, or scanner to upload graphic organizer (if printed and completed by hand), A nonfiction text

<b>World History Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 11-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> Middle School level Social Studies/History.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> World History explores the people, events, and ideas that have shaped history from the beginnings of human society to the present day.</p> <p>As you read the lessons in this course, keep these enduring understandings in mind:</p> <ul style="list-style-type: none"> <li>• World History is the story of the interaction between people, the environment, and ideas that form cultures, societies, and civilizations.</li> <li>• World History is the story of human choices that link the past to the present and influence the future.</li> <li>• Individuals, cultures, societies, and the world change through times of conflict and cooperation.</li> <li>• Historical patterns are identified across times, places, ideas, institutions, cultures, people, and events.</li> <li>• From the past to the present, events and trends on the local, national, and global sphere are interrelated.</li> <li>• People have different views of history depending on their perspective. This course has been used, without any accommodations or reduction of content, in Honors programs</li> </ul> <p><b>Required Materials:</b> Internet, encyclopedia or other research materials, Paper, pencils or other writing materials, Printer, a community, state, or national newspaper, multimedia, presentation development software</p>	

<b>World Religions 1b: Exploring Diversity</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> World Religions 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will explore even more religions from across the world! Students will discover the basic principles, sacred texts, practices, and rituals of Islam, Confucianism, Shintoism, and Taoism. Finally, students will learn about religion in the 21st century and the role of religion in global and social politics. The importance of religious tolerance is also discussed, giving students a thorough introduction to world religions.</p>	

**Required Materials:** None

<b>World Religions: 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> From Taoism, to Islam, to Christianity, religion inevitably affects us all in some way. On one level, religion can help us commune with and honor our spiritual natures, but it can also divide people and create great strife in the world. World Religions: Exploring Diversity will explore the various characteristics of faith and introduce the fundamentals of the major religions, including Judaism, Islam, Christianity, Buddhism, Confucianism, Hinduism, Shintoism, and Taoism. You'll trace how these powerful faiths have influenced cultures over thousands of years and helped to shape the face of humanity. After this course, you'll have a clearer understanding of how religion continues to affect the larger world.</p> <p><b>Required Materials:</b> None</p>	

## Technology Education Courses

<b>Concepts of Engineering and Technology</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> What if you could do the impossible? Engineers understand a lot of things, but the word impossible definitely isn't one of them. Through Concepts of Engineering and Technology, you'll learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to discuss where the boundaries of science lie (or even if there should be boundaries). By examining astounding engineering feats and complex ongoing issues, you, too, will begin to question whether the word impossible really exists.</p> <p><b>Required Materials:</b> None</p>	

<b>Cybersecurity 1a: Foundations</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Ever wonder what it's like to be a hacker? Or think about who is trying to steal your passwords while you're shopping online using the free WIFI at your local coffee shop? Can someone be watching your personal, private information? Can anything be kept "secret" online? We depend more and more on the technologies we interact with every day. This creates the need for increased system and network security measures. And, it means we all need to know more about how to protect valuable and</p>	



vulnerable information. This course introduces you to the tools, technologies, and methods needed to protect online information and addresses how these issues are impacting safety and rights on a global and personal level. Learn what exciting career possibilities await you in the new and high-demand field of cybersecurity.

**Required Materials:** • Slide-show presentation program

- Word processing program

Software: Virtual Box: <https://www.virtualbox.org/wiki/downloads>

In order to run VirtualBox on your machine, you need:

- CPU: Recent Intel or AMD processor
- Memory: 2+GB RAM
- Hard disk: About 4GB free hard disk space
- Supported Operating System: Windows, Mac OS X, Linux, Solaris and OpenSolaris.

Other Materials

- USB memory stick (Recommended to be at least 4 GB)

Optional Materials

(The following materials will only be needed if student chooses to do some activities/labs by hand.)

- Printer
- Blank paper (a variety of sizes)
- Markers, crayons, pens, pencils

Note: Your state's standards for this Cybersecurity course may require students to purchase and to install security equipment. Check with your school's administration to determine if this is necessary for course completion. This course provides alternate activities that could address these standards

<b>Cybersecurity 1b: Defense Against Threats</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Cybersecurity 1a: Foundations	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Ever wonder what it's like to be a hacker? Or think about who is trying to steal your passwords while you're shopping online using the free Wi-Fi at your local coffee shop? Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyber attacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity careers. In a world where such threats have no boundaries, cybersecurity will undoubtedly play an increasingly larger role in our personal and professional lives in the years to come</p> <p><b>Required Materials:</b> • Slide-show presentation program</p> <ul style="list-style-type: none"> <li>• Word processing program</li> </ul> <p>Software: Wireshark: <a href="https://www.wireshark.org/#download">https://www.wireshark.org/#download</a></p> <p>In order to run Wireshark on your machine, you need:</p> <ul style="list-style-type: none"> <li>• Hard disk: USB memory stick (Recommended to be at least 4 GB)</li> <li>• Memory: 2+GB RAM</li> <li>• Supported Operating System: Windows, Mac OS X</li> </ul> <p>Software: Virtual Box: <a href="https://www.virtualbox.org/wiki/downloads">https://www.virtualbox.org/wiki/downloads</a></p> <p>In order to run VirtualBox on your machine, you need:</p> <ul style="list-style-type: none"> <li>• CPU: Recent Intel or AMD processor</li> </ul>	

- Memory: 2+GB RAM
- Hard disk: About 4GB free hard disk space
- Supported Operating System: Windows, Mac OSX, Linux, Solaris and OpenSolaris

Other Materials

- USB memory stick (Recommended to be at least 4 GB)

Optional Materials

(The following materials will only be needed if student chooses to do some activities/labs by hand.)

- Printer
- Blank paper (a variety of sizes)
- Markers, crayons, pens, pencils

Note: Your state's standards for this Cybersecurity course may require students to purchase and to install security equipment. Check with your school's administration to determine if this is necessary for course completion. This course provides alternate activities that could address these standards.

<b>Manufacturing 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Think about the last time you visited your favorite store. Now picture the infinite number of products you saw. Have you ever wondered how those things made it to the shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In Manufacturing: Product Design and Innovation, you will learn about different types of manufacturing systems as well as career opportunities, including engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process and create an entirely original product! If you thought manufacturing meant mundane assembly lines, this course will show you how exciting, creative, and practical this industry can be.</p> <p><b>Required Materials:</b> None</p>	

<b>Manufacturing 1b: Product Design and Innovation</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Manufacturing 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will be introduced to systems and manufacturing engineering and learn to design and produce their own engineering drawings. Safety in manufacturing, workers' rights, and government regulations are discussed as well as specializations in manufacturing. Finally, in the final project, students will plan their own manufacturing process for a new product or invention!</p> <p><b>Required Materials:</b> None</p>	

<b>Renewable Technologies 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Cars that run on used vegetable oil. Electricity produced from your garbage. A windmill made from spare bicycle parts that pumps water to crops. Energy is life. So, how do we address the world's growing concerns about energy sources? Where will it come from in the future? How can energy be something sustainable, renewable, and accessible? Renewable Technologies begins to uncover the development of new energy technologies and explores how recent approaches to generating, storing, and creating this precious resource have evolved. By gaining a larger understanding of this challenge, we, as thoughtful people, can implement real change and unlock the solution needed for a safer, cleaner, and more enduring world.</p> <p><b>Required Materials:</b> None</p>	

<b>Renewable Technologies 1b: Sustainable Energy</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Renewable Technologies 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building upon the prior prerequisite course, this course examines the various types of renewable energies and their impact in this cutting-edge field. The harnessing of solar, wind, biofuel, geothermal, and hydroelectric energies will be analyzed, while students learn to discuss each in terms of their individual benefits and detractions. Finally, students will delve into the future of renewable technologies and how current energy habits will affect the world to come.</p> <p><b>Required Materials:</b> None</p>	

<b>STEM and Problem Solving Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Students should understand how to research a topic through books, magazines, and the Internet. Students should have proficiency using Microsoft Word and PowerPoint, and a basic understanding of Excel.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Science, technology, engineering, and math (STEM) are active components in the real world. This course will outline how to apply the concepts and principles of scientific inquiry, encouraging the use of problem-solving and critical- thinking skills to produce viable solutions to problems. Students will learn the scientific method, how to use analytical tools and techniques, how to construct tests and evaluate data, and how to review and understand statistical information. This course is designed to help students understand what we mean by problem solving and to help understand and develop skills and techniques to create solutions to problems.</p>	

Revised: 8/9/19

Advanced problem-solving skills are necessary in all science, technology, engineering, and math disciplines and career paths. This problem-solving course stresses analytic skills to properly format problem statements, use of the scientific method to investigate problems, the use of quantitative and qualitative approaches to construct tests, and an introduction to reviewing and interpreting statistical information.

**Required Materials:** Internet research resources, word processor

<b>Technology and Business Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 9-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Technology and Business is a year-long, high school elective that teaches students technical skills, effective communication skills, and productive work habits needed to make a successful transition into the workplace or postsecondary education. In this course, students gain an understanding of emerging technologies, operating systems, and computer networks. In addition, they create a variety of business documents, including complex word-processing documents, spreadsheets with charts and graphs, database files, and electronic presentations.</p> <p><b>Required Materials:</b> Word-processor software, spreadsheet software, database software, presentation software, e-mail</p>	

<b>Technology and Research Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Students should understand how to research a topic through books, magazines, and the Internet. Students should have proficiency using Microsoft Word and PowerPoint, and a basic understanding of Excel.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This semester-long course uses the topic of technology as a way to help students develop fundamental knowledge of the steps in the research process. During the course, students learn how new technology is developed and evaluate ways that technology affects society. Students learn about the development of the personal computer, robots, blogs, and wikis. They learn research and writing skills such as how to evaluate scientific journal articles, how to write an abstract, and how and when to use different online sources.</p> <p><b>Required Materials:</b> Internet or other research material, Paper, pencils, or other writing material, Printer, Powerpoint software program</p>	

## World Language Courses

<b>French I Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 9-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware

**Description:** In French I, students begin to develop competence in four basic skill areas: listening, speaking, reading, and writing. While developing communicative competence in French, students gain and expand their knowledge of francophone countries and cultures.

Emphasis is placed on learning the present tense, the near future and the past tense in French I through thematically designed units. Topics include home, school, family, holidays, and daily and leisure activities. Students develop the ability to:

- greet and respond to greetings
- introduce and respond to introductions
- engage in conversations on several themes
- express likes and dislikes
- make requests
- obtain information
- understand some ideas and familiar details
- begin to provide information. This course has been used, without any accommodations or reduction of content, in Honors programs.

**Required Materials:** Access to vocaroo.com, microphone with headset, High-speed Internet and functional sound system, a presentation software program such as PowerPoint, updated word-processing capabilities, a good firewall and anti-virus protection

<b>French II Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 9-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> French I	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> French II is a high school foreign language course that builds on and reviews skills and concepts taught in French I through further exposure to communication, cultures, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, writing, and cultural competency.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> <li>• Use basic French in everyday situations in oral and written communication.</li> <li>• Use French vocabulary at the level appropriate to living in francophone countries.</li> <li>• Demonstrate knowledge of France and other francophone countries.</li> <li>• Listen to and understand passages in French related to various themes.</li> <li>• Read and understand passages in French related to presented themes.</li> <li>• Compare and contrast cultural aspects of francophone countries and the United States. This course has been used, without any accommodations or reduction of content, in Honors programs.</li> </ul> <p><b>Required Materials:</b> Access to vocaroo.com, microphone with headset, High-speed Internet and functional sound system, a presentation software program such as PowerPoint, updated word-processing capabilities, a good firewall and anti-virus protection</p>	

<b>Spanish I Comprehensive</b>	<b>Credits:</b> 1
<b>Grade:</b> 9-12	<b>Length:</b> Full Year
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware

**Description:** Spanish I is an entry level high school foreign language course that explores the Spanish language through communication, culture, connections, comparisons, and communities.

Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency.

Upon completion of the course, students should be able to do the following:

- Use Spanish in everyday situations in a basic manner and in both oral and written communication.
- Use vocabulary necessary to function as a tourist in Spanish-speaking countries.
- Demonstrate a basic knowledge of the Spanish-speaking world.
- Listen to and understand basic passages in Spanish related to various themes.
- Read and understand basic passages in Spanish related to various themes.
- Compare and contrast cultural aspects of Hispanic countries and the United States.

Spanish I introduces students to the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture. This course has been used, without any accommodations or reduction of content, in Honors programs.

**Required Materials:** Access to vocaroo.com, microphone with headset, Printer, internet Research materials, pictures of the student and family members, PowerPoint or presentation material, 2 lbs Meseca (a corn flour mix, found in the International section of the supermarket), Approx 2 c vegetable oil, 2 c of beans (generally cooked, black beans), Approx 3 c water to boil, Mixing bowls/utensils, Chipilin (an herb used in Central America that may be difficult to find in the United States) or chicken bouillon to taste, Salt to taste, Waxed paper or aluminum foil, Map of the country the student selects, Materials for map decorating. Ingredients for Salvadoran Pupusas: 2 c cornmeal or Maseca, if available, 1 ½ c water, Oil for frying, The filling of your choice (pork, beef, chicken, cheese)

Ingredients for Nuegados De Yuca: 2 c ground cassava (you can grind the raw cassava (also called yuca), or purchase cassava flour), 2 eggs, ½ t baking powder, Salt to taste, 4 oz of shredded cheese, Oil for frying, as much as you need for the pan, Paper, Pencil, Pictures of location chosen by the student illustrating its weather, Materials to build a model house, Materials for creating a restaurant menu, colored pencils, Materials to use to illustrate clothing on paper, 3 pictures of memories with the criteria listed in lesson.

Ingredients for arroz con leche: Mixing bowls, 1/2 c rice, 4 c water, 4 c milk, 1 can evaporated milk, 1/4 t salt, Ground cinnamon, Sugar to taste, 1 t vanilla, Pictures of a memorable event, 5 pictures that represent things student did in the past

<b>Spanish II Comprehensive</b>	<b>Credits: 1</b>
<b>Grade: 9-12</b>	<b>Length: Full Year</b>
<b>Prerequisites: Spanish I</b>	<b>Vendor: Odysseyware</b>
<p><b>Description:</b> Spanish II is a high school foreign language course that builds upon skills and concepts taught in Spanish I, emphasizing communication, cultures, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"><li>• Use Spanish in everyday situations in both oral and written communication.</li><li>• Use vocabulary necessary to live in a Spanish-speaking country.</li><li>• Demonstrate an understanding of Hispanic countries.</li><li>• Listen to and understand passages in Spanish related to various themes.</li><li>• Read and understand passages in Spanish related to themes.</li></ul>	

- Compare and contrast cultural aspects of Hispanic countries and the United States. This course gives students practice using the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture. This course has been used, without any accommodations or reduction of content, in Honors programs.

**Required Materials:** Access to vocaroo.com, microphone with headset, Internet Research materials, Presentation materials, Microsoft Publisher (Recommended), Poster board, Materials for decorating, 4 pictures that represent a school and its features, Materials to create a brochure or poster, Photos of tourist areas (possibly could come from magazines), Microsoft PowerPoint (Recommended), Visual aids such as maps, drawings and photos, Poster board, Pictures, drawings, graphs, Materials for decorating, Paper, Drawing/painting tools, Four pictures of Guatemalan transportation, Presentation material, writing utensils, 5 photos from students' past

<b>Spanish III Comprehensive</b>	<b>Credits: 1</b>
<b>Grade: 9-12</b>	<b>Length: Full Year</b>
<b>Prerequisites: Spanish II</b>	<b>Vendor: Odysseyware</b>
<p><b>Description:</b> Spanish III is a high school foreign language course that builds upon skills and concepts taught in Spanish II, emphasizing communication, cultures, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> <li>• Speak Spanish in everyday situations to communicate with other Spanish speakers.</li> <li>• Write accurately and appropriately in Spanish to communicate with other Spanish speakers.</li> <li>• Listen to and understand passages in Spanish related to various themes.</li> <li>• Read and understand passages in Spanish related to various themes.</li> <li>• Compare and contrast cultural aspects of Hispanic countries.</li> <li>• Demonstrate an understanding of Hispanic countries and their corresponding cultures. This course has been used, without any accommodations or reduction of content, in Honors programs.</li> </ul> <p><b>Required Materials:</b> Access to vocaroo.com, microphone with headset, Research materials, Online research resources, Materials to create a brochure, Microsoft Publisher, Materials to take notes and write a report, Microsoft PowerPoint, Video presentation materials, camera, Photos of the place you choose to visit, Survey materials, interview materials, video presentation materials</p>	

## Other Elective Courses

<b>American Sign Language 1a: Introduction</b>	<b>Credits: .5</b>
<b>Grade: 9-12</b>	<b>Length: Semester</b>
<b>Prerequisites: none</b>	<b>Vendor: EDynamic</b>
<p><b>Description:</b> Did you know that American Sign Language (ASL) is the third most commonly used language in North America? American Sign Language 1a: Introduction will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness.</p>	

**Required Materials:** • Computer with:

- Internet access
- Word processing program
- Slideshow creation program
- Cell phone, tablet, or computer camera with sound and video recording abilities
- A person, large stuffed animal, or chair
- 2 people (family, friend, classmate) to use in videos and lead a discussion with
- A photo (or even a drawing) of your family
- A hat—silly, crazy, or ordinary is fine
- Blank Paper
- Drawing tools (pencils, markers, etc.)

<b>American Sign Language 1b: Learn to Sign</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> American Sign Language 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> The predominant sign language of Deaf communities in the United States, American Sign Language is a complex and robust language. American Sign Language 1b: Learn to Sign will introduce you to more of this language and its grammatical structures. You will expand your vocabulary by exploring interesting topics like Deaf education and Deaf arts and culture.</p> <p><b>Required Materials:</b> • Computer with:</p> <ul style="list-style-type: none"> <li>• Internet access</li> <li>• Word processing program</li> <li>• Slideshow creation program</li> <li>• Cell phone, tablet, or computer camera with sound and video recording abilities</li> <li>• A person, large stuffed animal, or chair</li> <li>• 2 people (family, friend, classmate) to use in videos and lead a discussion with</li> <li>• A photo (or even a drawing) of your family</li> <li>• A hat—silly, crazy, or ordinary is fine</li> <li>• Blank Paper</li> <li>• Drawing tools (pencils, markers, etc.)</li> </ul>	

<b>American Sign Language 2a: Communicating</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> American Sign Language 1a and 1b	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building upon the prior prerequisite course, emphasis in this course is placed upon comprehension and signing. Learners will also continue to establish their communication skills and foster their understanding of deaf culture. In addition to learning classifiers, glossing, and mouth morphemes, students will explore vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies</p> <p><b>Required Materials:</b> • A camera (cell phone, table, or computer camera is fine)</p> <ul style="list-style-type: none"> <li>• Photo of family or friends</li> </ul>	



<b>American Sign Language 2b: Advancing Communication Skills</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> American Sign Language 2a: Communicating	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building upon the prior prerequisite course, students will increase their proficiency by learning about sequencing, transitions, role-shifts, and future tenses. Students will learn how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristic of this course.</p> <p><b>Required Materials:</b> A camera (cell phone, tablet, or computer camera is fine)</p> <ul style="list-style-type: none"> <li>• Computer or tablet to play video</li> <li>• Screen-capture software to record conversation or camera with ability to record conversation</li> <li>• Simple video editing software</li> </ul>	

<b>Anthropology 1: Uncovering Human Mysteries</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> What makes us human? Is it our ability to use language? Is it our abstract thinking skills or our use of tools and technology? In Anthropology 1: Uncovering Human Mysteries you will trace the history of homo sapiens and explore our evolutionary trail. This course offers an anthropological lens to observe our movement from cave dweller to modern human. It sheds light on how we forged our way and developed all of the things that make us human, such as our cultures, languages, and religions. We, as humans in the 21st century, are highly intelligent, innovative people with astounding technological ability—how did we get this way?</p> <p><b>Required Materials:</b> None</p>	

<b>Business Law Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course is designed to provide students with the knowledge of some of the vital legal concepts that affect commerce and trade, after first gaining some familiarity with how laws are created and interpreted. Students will then be introduced to the types of businesses that can be created to engage in commerce as well as the contractual and liability considerations that can impact a business. Laws that affect how a business is regulated will also be reviewed, particularly the impact of administrative rules and regulations on a business. Global commerce and international agreements, treaties, organizations, and courts that can affect business will be discussed to get a better sense of what it means to "go global" with a business.</p> <p>Consumer and environmental protections will be explained as well as bankruptcy options, should a business go insolvent. Lastly, no business exists without experiencing some kind of dispute or another, and so we will review the options that exist for dispute resolution and alternative dispute resolution to provide a better understanding of how best to deal with such matters.</p>	

**Required Materials:** Research resources, Word processing/graphic software

<b>Career Management - GRADUATION REQUIREMENT</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Career management is a semester-length high school elective course that assists students in their preparation for career selection. The course is designed to improve workforce skills needed in all careers including:</p> <ul style="list-style-type: none"><li>• communication</li><li>• leadership</li><li>• teamwork</li><li>• decision making</li><li>• problem solving</li><li>• goal setting</li><li>• time management</li></ul> <p>Students will complete activities that help identify personal interests, aptitudes, and learning styles. Students will use results of self-assessments to determining careers that may prove personally satisfying. Students will complete an in-depth career research activity that can be repeated for each future career decision. Students will also create a career portfolio as they work through the curriculum.</p> <p><b>Required Materials:</b> Research resources, Wording processing/graphic software, Calculator, Presentation software, Paper, Pencil, pen</p>	

<b>Careers in Allied Health Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Since this course leans heavily on reporting and research, students should already know how to choose appropriate resources (especially online), and how to properly cite those resources. Introduction to Careers in the Health Sciences recommended.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Allied health is the term for the area of healthcare (and health care professions) that provide support and care services other than specific doctoring and nurse care. At times, the line between allied health and "non-allied health" may seem to be separated by level of degree/education, although this isn't always true. Allied health career paths can be divided into general roles like diagnostic (testing to see what's wrong), technical (taking care of technology aspects), therapeutic (moving the patient toward healing) and direct patient care (caring for the patient in other ways), although there is some overlap in a few roles. There are a few hundred potential jobs and dozens of potential settings that one could work in. The career field is important for several reasons. First, the care and support that allied health professionals provide is integral to the health care system. In addition it's estimated that these professionals make up more than half of the entire health care field. This representation within the industry shows how very important the various roles are.</p> <p>In this course, we will focus on select allied health careers, studying a variety of different levels, responsibilities, settings, education needs and amounts of patient contact. We will look at things like the</p>	

degree or training needed for each job, the environment one would work in, how much money the position could make, and the facts of the actual working day.

**Required Materials:** 2-4 pieces of poster board/large paper (or graphics/drawing software), Access to newspaper/media archives, 2-5 Paper plates, Drawing tools, Suggested: Copy of the book "Alex, the Life of a Child" by Frank DeFord

<b>Careers in Criminal Justice 1a Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Most of us have watched a sensationalized crime show at one time or another, but do we really know how things work behind those dreaded prison bars? Do we really understand all the many factors in our justice proceedings? The criminal justice system is a very complex field that requires many seriously dedicated people who are willing to pursue equal justice for all. The Careers in Criminal Justice course illuminates what those different career choices are and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. Find out more about what really happens when the television show ends and reality begins.</p> <p><b>Required Materials:</b> None</p>	

<b>Careers in Criminal Justice 1b: Finding Your Path</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Careers in Criminal Justice 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will explore specific careers and training opportunities within the criminal justice system. In addition, students will develop interpersonal skills, such as crisis management, conflict resolution, and working as part of a team, that contribute to success in this system. Finally, students will learn about ethics, standards of professionalism and confidentiality to form a well-balanced overview of a career in the criminal justice system.</p> <p><b>Required Materials:</b> None</p>	

<b>Careers in Marketing Research Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b>	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Marketing research is the foundation of all marketing activities because it provides the data needed to make key strategic decisions about products, promotions, pricing, and other key organizational decisions. This course will provide information about the process of investigation and problem analysis by using research to produce key marketing statistics that are communicated to management and used throughout the organization. This course concludes with the execution, interpretation, and presentation of marketing research.</p> <p><b>Required Materials:</b> Presentation software</p>	

<b>Coding 1a: Introduction to Programming</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Have you ever wanted to create your own web page or wondered how your favorite websites were built? Maybe you want to know more about how computers and technology are affecting the world around us. In Coding 1a: Introduction to Programming, you will explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. You will also discover how to create and build your own website using HTML and CSS and learn basic and complex commands and sequences as you become familiar with programming languages like JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security.</p> <p><b>Required Materials:</b> • Students will need to create a free account for the following sites: <a href="https://www.pythonanywhere.com">https://www.pythonanywhere.com</a> and <a href="https://trello.com">/trello.com</a></p> <ul style="list-style-type: none"> <li>• Students will use the following site to create flowcharts: <a href="https://www.draw.io/">https://www.draw.io/</a></li> <li>• They can interact with these websites through any typical web browser</li> </ul>	

<b>Coding 1b: Programming</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Coding 1a: Introduction to Programming	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Are you passionate about technology? Do you love learning how things work and are excited about the idea of further exploring the world of computer science? If you thrived in Coding 1a: Introduction to Programming, now is your chance to build on that knowledge with Coding 1b: Programming. In this course, you will continue to cultivate an understanding of programming languages and expand on website development. You will learn the difference between web development and web application development as well as further explore Advanced Python, HTML, and JavaScript. You will also examine software engineering concepts, learn more about security, privacy, and ethics in technology, and explore the wide variety of careers in computing.</p> <p><b>Required Materials:</b> • Students will need to create a free account for the following sites: <a href="https://www.pythonanywhere.com/">https://www.pythonanywhere.com/</a> and <a href="https://trinket.io/">https://trinket.io/</a></p> <ul style="list-style-type: none"> <li>• Students will use the following site to create flowcharts: <a href="https://www.draw.io/">https://www.draw.io/</a></li> <li>• They can interact with these web sites through any typical web browser</li> </ul>	

<b>Cosmetology 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> We all want to look our best, but did you know there is actually a science behind cutting your hair and painting your nails? In Cosmetology 1: Cutting Edge Styles, you will learn all about this often entertaining field and how specialized equipment and technology are propelling our grooming into the next century. Just like all careers, cosmetology requires certain skills and characteristics, all of which are thoroughly explored in this course. You will learn about various beauty regimes related to hair, nails, skin,</p>	

and spa treatments, and discover how to create your own business model quickly and efficiently while still looking fabulous, of course!

**Required Materials:** None

<b>Cosmetology 1b: Cutting Edge Styles</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Cosmetology 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will learn about creating a thriving cosmetology business. Focusing on foundational business strategies, students will explore potential types of clients, customer service practices, marketing, advertising, and how to build a business from the ground up. By examining the tools, equipment, technology, and safety, students will become familiar with salon practices and the standards of care clients expect.</p> <p><b>Required Materials:</b> None</p>	

<b>Cosmetology 2a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Cosmetology 1: Cutting Edge Style	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In Cosmetology 2: The Business of Skin and Nails, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"><li>• A computer with:<ul style="list-style-type: none"><li>• Internet access</li><li>• A word processing program and a slide-show program</li><li>• A friend or family member to be your model</li><li>• A camera with:<ul style="list-style-type: none"><li>• Sound—a cell phone camera is fine</li><li>• Video recording capabilities</li></ul></li><li>• Trash can</li><li>• Trolley for products and tools</li><li>• Disposable Latex or Nitrile Gloves</li><li>• Clean sheets and towels</li><li>• Examples of work outfits – both appropriate and inappropriate</li><li>• Five beauty products of any kind from your own bathroom (to research their ingredients)</li><li>• Optional (for those doing labs/activities by hand):<ul style="list-style-type: none"><li>• Large butcher paper or poster board</li><li>• Printer</li></ul></li></ul></li></ul>	

- Markers, colored pencils, crayons

Basic Manicure & Pedicure Materials (in addition to General Materials):

- A desk (technician table)
- Seating:
  - A technician chair
  - A client chair
  - Low to floor stool
  - Footrest or ottoman
- Tub large enough for feet
- Bowl
- Client Cushion or rolled towel
- Nail Brushes
- Nail Clippers
- Nail Nippers
- Toenail Clippers
- Toenail Nippers
- Nail Board
- Wooden Pusher
- Cotton balls or gauze
- Polish Remover
- Cuticle remover
- Massage lotion or oil
- Base Coat
- Colored Nail Polish (at least 2 different colors)
- Top Coat
- Disinfection container
- Disinfectant (or water to stand in for chemical)
- Cleaning brush

Nail Enhancement Materials (in addition to General Materials):

- Abrasive boards
- Buffer block
- Nail Dehydrator
- Nail Tip Adhesive
- Nail Tips
- Nail forms
- Tip Cutter
- Monomer/Polymer application brush
- Dappen dishes
- Nail primer
- Monomer liquid
- Polymer powder
- Adhesive-backed fabric
- Small piece of plastic
- Small scissors
- Tweezers
- Wrap Resin
- Wrap Resin Accelerator
- Cleansing solution

- Gel Brush
- Lint-free cleansing wipes
- Nail tips and resin
- Nail dehydrator
- UV or LED gel lamp
- UV or LED gel
- UV or LED gel polish
- UV or LED bonding gel or gel primer

Facial Materials (in addition to General Materials):

- A facial table (if you don't have one, have your client lie down on a bed or in a recliner)
- Magnifying lamp (or a flexible lamp and a magnifying glass)
- Headband, head covering, or towel with fastener
- Cotton pads
- Facial gown (you may substitute a large shirt or apron)
- Paper and Pencil
- Bowls
- Antiseptic lotion
- Cleansers and Makeup Removers
- Exfoliant
- Masks
- Toner
- Massage cream or lotion

Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In *Cosmetology 2: The Business of Skin and Nails*, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology.

Required Materials for All Activities/Labs

- A computer with:
  - Internet access
  - A word processing program and a slide-show program
  - A friend or family member to be your model
- A camera with:
  - Sound—a cell phone camera is fine
  - Video recording capabilities
- Trash can
- Trolley for products and tools
- Disposable Latex or Nitrile Gloves
- Clean sheets and towels
- Examples of work outfits – both appropriate and inappropriate
- Five beauty products of any kind from your own bathroom (to research their ingredients)
- Optional (for those doing labs/activities by hand):
  - Large butcher paper or poster board
  - Printer
  - Markers, colored pencils, crayons

Basic Manicure & Pedicure Materials (in addition to General Materials):

- A desk (technician table)
- Seating:
  - A technician chair
  - A client chair
  - Low to floor stool
  - Footrest or ottoman
  - Tub large enough for feet
  - Bowl
  - Client Cushion or rolled towel
- Nail Brushes
- Nail Clippers
- Nail Nippers
- Toenail Clippers
- Toenail Nippers
- Nail Board
- Wooden Pusher
- Cotton balls or gauze
- Polish Remover
- Cuticle remover
- Massage lotion or oil
- Base Coat
- Colored Nail Polish (at least 2 different colors)
- Top Coat
- Disinfection container
- Disinfectant (or water to stand in for chemical)
- Cleaning brush
- Nail Enhancement Materials (in addition to General Materials):
  - Abrasive boards
  - Buffer block
  - Nail Dehydrator
  - Nail Tip Adhesive
  - Nail Tips
  - Nail forms
  - Tip Cutter
  - Monomer/Polymer application brush
  - Dappen dishes
  - Nail primer
  - Monomer liquid
  - Polymer powder
  - Adhesive-backed fabric
  - Small piece of plastic
  - Small scissors
  - Tweezers
  - Wrap Resin
  - Wrap Resin Accelerator
  - Cleansing solution
  - Gel Brush
  - Lint-free cleansing wipes



- Nail tips and resin
- Nail dehydrator
- UV or LED gel lamp
- UV or LED gel
- UV or LED gel polish
- UV or LED bonding gel or gel primer

Facial Materials (in addition to General Materials):

- A facial table (if you don't have one, have your client lie down on a bed or in a recliner)
- Magnifying lamp (or a flexible lamp and a magnifying glass)
- Headband, head covering, or towel with fastener
- Cotton pads
- Facial gown (you may substitute a large shirt or apron)
- Paper and Pencil
- Bowls
- Antiseptic lotion
- Cleansers and Makeup Removers
- Exfoliant
- Masks
- Toner
- Massage cream or lotion
- Moisturizers and/or sun-protective lotion
- Gauze
- Mask brush
- Paper towels
- Spatulas
- Sponges
- Tissues
- Facial steamer (optional)

Eyebrow Materials (in addition to General Materials):

- Roll of disposable paper
- Headband, head covering, or towel with fastener
- Cotton pads
- Eyebrow brush
- Wax heater
- Wax
- Wax remover
- Tweezers
- Fabric strips (if using soft wax)
- Soothing or antiseptic lotion
- Gentle cleanser and makeup remover
- Toner
- Spatulas or wooden applicators
- Eyebrow and lash tint or dye (if legal in your state)

Makeup Application Materials (in addition to General Materials):

- Makeup Cape
- Headband or hair clip
- Cotton pads, puffs, and swabs
- Sponges, Spatulas, and tissues

- Makeup Palette
- Disposable brushes for lip and mascara
- Eyelash curler and comb
- Assorted makeup brushes (for concealer, eye shadow, eyeliner, powder, brows, blush)
- Pencil Sharpener
- Cleansers
- Concealers
- Eye shadows
- Eyeliner
- Face powders
- Foundations
- Lip Colors
- Lip Liners
- Mascara
- Moisturizers
- Sunscreen
- Toner

Resume & Portfolio Materials (in addition to General Materials):

- Copies of your diplomas, certificates, and awards
- Photos from practice services you have performed
- Letters of reference or teacher recommendations

Course Prerequisite: Cosmetology 1: Cutting Edge Styles

Course Duration: One Semester

<b>Cosmetology 2b: The Business of Skin and Nail Care</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Cosmetology 2a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will discover the next steps towards launching a rewarding and creative career in cosmetology! Students will begin with learning skin types, different facial products, and how to perform a basic facial, as well as makeup application and hair removal techniques. Finally, students will develop their own portfolio and prepare for licensing.</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• A computer with: <ul style="list-style-type: none"> <li>• Internet access</li> <li>• A word processing program and a slide-show program</li> <li>• A friend or family member to be your model</li> <li>• A camera with: <ul style="list-style-type: none"> <li>• Sound—a cell phone camera is fine</li> <li>• Video recording capabilities</li> </ul> </li> <li>• Trash can</li> <li>• Trolley for products and tools</li> <li>• Disposable Latex or Nitrile Gloves</li> <li>• Clean sheets and towels</li> <li>• Examples of work outfits – both appropriate and inappropriate</li> <li>• Five beauty products of any kind from your own bathroom (to research their ingredients)</li> <li>• Optional (for those doing labs/activities by hand):</li> </ul> </li> </ul>	

- Large butcher paper or poster board

- Printer

- Markers, colored pencils, crayons

Basic Manicure & Pedicure Materials (in addition to General Materials):

- A desk (technician table)

- Seating:

- A technician chair

- A client chair

- Low to floor stool

- Footrest or ottoman

- Tub large enough for feet

- Bowl

- Client Cushion or rolled towel

- Nail Brushes

- Nail Clippers

- Nail Nippers

- Toenail Clippers

- Toenail Nippers

- Nail Board

- Wooden Pusher

- Cotton balls or gauze

- Polish Remover

- Cuticle remover

- Massage lotion or oil

- Base Coat

- Colored Nail Polish (at least 2 different colors)

- Top Coat

- Disinfection container

- Disinfectant (or water to stand in for chemical)

- Cleaning brush

Nail Enhancement Materials (in addition to General Materials):

- Abrasive boards

- Buffer block

- Nail Dehydrator

- Nail Tip Adhesive

- Nail Tips

- Nail forms

- Tip Cutter

- Monomer/Polymer application brush

- Dappen dishes

- Nail primer

- Monomer liquid

- Polymer powder

- Adhesive-backed fabric

- Small piece of plastic

- Small scissors

- Tweezers

- Wrap Resin

- Wrap Resin Accelerator
- Cleansing solution
- Gel Brush
- Lint-free cleansing wipes
- Nail tips and resin
- Nail dehydrator
- UV or LED gel lamp
- UV or LED gel
- UV or LED gel polish
- UV or LED bonding gel or gel primer

Facial Materials (in addition to General Materials):

- A facial table (if you don't have one, have your client lie down on a bed or in a recliner)
- Magnifying lamp (or a flexible lamp and a magnifying glass)
- Headband, head covering, or towel with fastener
- Cotton pads
- Facial gown (you may substitute a large shirt or apron)
- Paper and Pencil
- Bowls
- Antiseptic lotion
- Cleansers and Makeup Removers
- Exfoliant
- Masks
- Toner
- Massage cream or lotion
- Moisturizers and/or sun-protective lotion
- Gauze
- Mask brush
- Paper towels
- Spatulas
- Sponges
- Tissues
- Facial steamer (optional)

Eyebrow Materials (in addition to General Materials):

- Roll of disposable paper
- Headband, head covering, or towel with fastener
- Cotton pads
- Eyebrow brush
- Wax heater
- Wax
- Wax remover
- Tweezers
- Fabric strips (if using soft wax)
- Soothing or antiseptic lotion
- Gentle cleanser and makeup remover
- Toner
- Spatulas or wooden applicators
- Eyebrow and lash tint or dye (if legal in your state)

Makeup Application Materials (in addition to General Materials):

- Makeup Cape
- Headband or hair clip
- Cotton pads, puffs, and swabs
- Sponges, Spatulas, and tissues
- Makeup Palette
- Disposable brushes for lip and mascara
- Eyelash curler and comb
- Assorted makeup brushes (for concealer, eye shadow, eyeliner, powder, brows, blush)
- Pencil Sharpener
- Cleansers
- Concealers
- Eye shadows • Eyeliner
- Face powders
- Foundations
- Lip Colors
- Lip Liners
- Mascara
- Moisturizers
- Sunscreen
- Toner

Resume & Portfolio Materials (in addition to General Materials):

- Copies of your diplomas, certificates, and awards
- Photos from practice services you have performed
- Letters of reference or teacher recommendations

Course Prerequisite: Cosmetology 1: Cutting Edge Styles

Course Duration: One Semester

<b>Cosmetology 3a: Introduction to Hair Skills</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Cosmetology 3a: Introduction to Hair Skills	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Cosmetology is a specialized field with a high skill set. Students taking this course will be exposed to the complexities of cosmetology by learning to perform a hair, scalp, and skin analysis. Students will also learn about hair types, face shapes, and color theory. Finally, to effectively prepare students for a career in cosmetology, color techniques with an emphasis on salon and chemical safety is examined.</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• Computer with internet capabilities, word processing program, slideshow presentation program</li> <li>• Camera or phone with video recording capabilities</li> <li>• Two friends or family member volunteers</li> <li>• A sample release statement for client to sign</li> <li>• Client chair</li> <li>• Professional attire to wear in videos</li> <li>• Cape for draping</li> <li>• Ingredients to create a shampoo or conditioning treatment (will vary by student)</li> <li>• Sink for washing and rinsing hair</li> </ul>	

- Towels
- Shampoo and conditioner
- Training mannequin head with hair
- Special effect hair coloring treatment
- Non-special effect hair color treatment
- Protective gloves

<b>Cosmetology 3b: Waving, Coloring, and Advancing Hair Skills</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Cosmetology 3a: Introduction to Hair Skills	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will delve into the realm of hair styling and cutting techniques. Students will explore varieties wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Manual curling and the use of chemicals to curl and straighten hair are highlighted in this course as well as safety when working with chemicals. Students can expect to be well versed with a plethora of hair skills upon completion.</p> <p>Required Materials</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• Computer with internet capabilities, word processing program, slideshow presentation program</li> <li>• Camera or phone with video recording capabilities</li> <li>• Two friends or family member volunteers</li> <li>• A sample release statement for client to sign</li> <li>• Client chair</li> <li>• Professional attire to wear in videos</li> <li>• Cape for draping</li> <li>• Ingredients to create a shampoo or conditioning treatment (will vary by student)</li> <li>• Sink for washing and rinsing hair</li> <li>• Towels</li> <li>• Shampoo and conditioner</li> <li>• Training mannequin head with hair</li> <li>• Special effect hair coloring treatment</li> <li>• Non-special effect hair color treatment</li> <li>• Protective gloves</li> </ul>	

<b>Criminology: Inside the Criminal Mind</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Understanding the criminal mind is not easy. Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. In Criminology: Inside the Criminal Mind, you will be given the rare opportunity to climb inside the mind of a criminal and examine the ideas and motivations at work. The mental state of a criminal can be affected by many different aspects of life—psychological, biological, sociological—all of which have differing perspectives and influences. You will investigate not only how these variables affect the criminal mind but also how the</p>	

criminal justice system remains committed to upholding the law through diligence and an uncompromising process.

**Required Materials:** None

<b>Culinary Arts 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic

**Description:** Food, glorious food! It both nourishes and satisfies us, and it brings people together through preparation, enjoyment, and celebration. If you've ever wanted to learn more about cuisine and how your creativity and appreciation can be expressed by preparing food, Culinary Arts 1a: Introduction is perfect for you. Learn about the history and development of the food service industry, the basics of nutrition and different dietary needs, and laws and regulations governing food service. You will also develop fundamental culinary arts skills, including how to read and follow recipes, understand weight and measurements used in the food service industry, and how to be safe and sanitary in the kitchen.

**Required Materials:** • A digital camera or camera phone

Unit Three

- A medium-size skillet
- A flat spatula
- A gas or electric range
- 4 large flour tortillas
- 16 oz shredded cheddar cheese (2 cups)
- 1 cup sliced green chilies
- 1 Tbsp vegetable oil
- Sour cream and/or guacamole for toppings (optional)

Unit Four

- Kitchen mixer
- 7 egg whites
- 2 tsp vanilla
- ¼ tsp salt
- 1 tsp cream of tartar
- 14 Tbsp sugar
- Food thermometer

Unit six • Medium-size frying pan

- Tongs
- Spoon
- Paper towel
- Knife
- Gas or electric range
- 1 chicken breast and thigh with skin
- 6 Tbsp flour
- 1 tsp paprika
- 2 oz vegetable oil (¼ cup)
- Salt and pepper to taste

<b>Culinary Arts 1b: Exploring Careers in Culinary Arts</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Culinary Arts 1a: Introduction	<b>Vendor:</b> EDynamic

**Description:** Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2: Baking, Pastry, and More! will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure!

**Required Materials:** A digital camera or camera phone

Unit One

- Fresh shrimp (any quantity)
- Saucepan
- Gas or electric range

Unit Four

- Table or flat surface
- Large plate
- 1 small plate
- 2 glasses
- 2 spoons
- 2 forks
- 2 butter knives
- 1 napkin

Unit Five

- 1 medium-size frying pan
- 1 medium-size bowl
- 1-cup or 2-cup measuring cup
- Spatula
- 1 9x13 casserole dish
- Gas or electric range
- 8 slices of bread, cubed
- 2 cups milk
- 10 eggs
- 1 lb ground sausage
- 1 ½ cups shredded cheddar cheese
- Butter or cooking spray for greasing casserole dish

Unit Six

- Kitchen mixer with flat beater attachment
- Rubber spatula
- Spoon
- Baking tray lined with parchment paper
- Cling film (i.e. plastic wrap)
- 6 oz brown sugar (¾ cup)
- 3.5 oz butter (7 Tbsp)
- 4 Tbsp molasses



- 1 egg
- 13 oz flour (about 1 ½ cups)
- 2 tsp baking soda
- ½ tsp ground cloves
- 1 tsp cinnamon
- ¼ tsp salt

<b>Culinary Arts 2a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Culinary Arts 1a and 1b	<b>Vendor:</b> EDynamic

**Description:** Building on the prior prerequisite course, students will move beyond baking to examine the role of nutrients in food choice, dietary restrictions, as well as conservation and sustainability practices in the food service industry. In addition, protein cooking techniques, taste combinations, and sensory perceptions of foods will be analyzed. Students will learn to prepare meals from a global perspective and dissect the business of cooking, from managing a kitchen to successfully running a catering company

**Required Materials:** • Smartphone or other way to take videos/photographs

- Presentation software (Microsoft PowerPoint, etc.)
- Stove
- Oven
- Baking and roasting pans/sheets
- Pots and frying pans
- Measuring spoons, cups and jugs
- Metal mixing bowls
- Wooden spoon/rubber spatula
- Baking parchment
- Serving plates
- Cutlery
- Water
- Salt

Unit 1

- Any dry ingredient (flour, sugar, etc.)
- Any liquid ingredient (eggs, milks, etc.)
- Kitchen equipment for maintenance (e.g., mixer or blender) with owners manual if possible
- Cleaning materials (dish soap, sanitizer, cleaning sponge, clean cloth)

Unit 2

- Bread flour
- Leavening agents (including yeast)
- Butter or preferred oil
- Pre-prepared bread mix
- Bread pans

Unit 3

- Flour
- Sugar
- Sweet and savory pie fillings (fruit, meats, etc.)

- Butter and shortening

- Eggs

- Pie pan

Unit 4

- Flour

- Butter

- Sugar

- Eggs

- Cream

- Cake pan

Unit 5

- Freezer

- Chocolate

- Thermometer

- Double boiler

- Baking parchment

- Pastry bag with variety of tips

- Fruit

- Sugar

- Garnishing tool of choice

Unit 6

- Tools of choice for molecular gastronomy

Unit 7

- Writing, printing, and/or drawing materials for props and planning video

- Gluten free alternative ingredient

Unit 8

- Three fair trade ingredients

Unit 9

- Two proteins of choice (fish, beef, etc.)

Unit 10

- Ingredients from various cultures

- Large serving plate or dish

- Cutlery for serving

- Writing materials

- Printer access

Unit 11

Materials or program for designing menus

- Writing materials

- Materials or program for presentation diagrams

<b>Culinary Arts 2b: Baking, Pastry, and More!</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Culinary Arts 2a: Introduction	<b>Vendor:</b> EDynamic
<b>Description:</b> Building on the prior prerequisite course, students will move beyond baking to examine the role of nutrients in food choice, dietary restrictions, as well as conservation and sustainability practices in the food service industry. In addition, protein cooking techniques, taste combinations, and sensory	

perceptions of foods will be analyzed. Students will learn to prepare meals from a global perspective and dissect the business of cooking, from managing a kitchen to successfully running a catering company.

**Required Materials:** • Smartphone or other way to take videos/photographs

- Presentation software (Microsoft PowerPoint, etc.)

- Stove

- Oven

- Baking and roasting pans/sheets

- Pots and frying pans

- Measuring spoons, cups and jugs

- Metal mixing bowls

- Wooden spoon/rubber spatula

- Baking parchment

- Serving plates

- Cutlery

- Water

- Salt

Unit 1

- Writing, printing, and/or drawing materials for props and planning video

- Gluten free alternative ingredient

Unit 2

- Three fair trade ingredients

Unit 3

- Two proteins of choice (fish, beef, etc.)

Unit 4

- Ingredients from various cultures

- Large serving plate or dish

- Cutlery for serving

- Writing materials

- Printer access

Unit 5

- Materials or program for designing menus

- Writing materials

- Materials or program for presentation diagrams

<b>Early Childhood Development and Services Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Early Childhood Development (ECD) is an introductory course offering a detailed overview of both developmental stages and areas of early childhood, and how early childhood education professionals provide optimal assistance during these important years of growth and learning. An examination of the history, theories, teaching models, research, and policies that grew with the advance of early childhood education, as well as an introduction to the achievements of many leaders in this field, provide students a thorough grounding in the science and practice of early childhood education. This course further provides students with keen insight into why these years are so important to the life of the child, what areas of</p>	

physical, emotional, and cognitive development are manifested from birth through age five, and what developmentally appropriate practices are proving to be most effective. Students will see how state, county, and community programs and non-profit social service organizations benefit from a combination of contributions and regional and federal funding mandated through national legislation; students will also appreciate the role ECE professionals play in their work with families, organizations, and licensing administrators. Students will be able to identify the advances, the challenges, the results, and the trends in ECE, explore a wide spectrum of professional possibilities, and learn the requirements and responsibilities of those positions. The complex interaction of state and federal policymaking on program funding and availability is covered in depth, as are codes of ethics and legislation affecting the quality of preschool and kindergarten programs.

Diversity is a key topic, and inclusion of families and children of cultural, economic, linguistic, and ethnic and ability diverse backgrounds are covered in depth. The rights, programs, and services available for children with disabilities and their families are reviewed. As the areas of study show, the need for highly qualified, engaged professionals in preschool classrooms, child care centers, and school readiness programs is growing. Teachers and other professionals in the field need to be not only educated in ECD, but also adept at building positive relationships between teacher and child and parent and colleagues, with the sensitivity to, enthusiasm for, and awareness of diversity issues and developmentally appropriate practices requiring skill and ongoing training.

**Required Materials:** Word processing software, Presentation software, Internet and research resources

<b>Early Childhood Education 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> As children, we see the world differently than we do as teenagers and adults. It is a world full of magical creatures and strange, exciting things. In Early Childhood Education 1a: Introduction, you'll learn how you can have an impact on the most important years of human development. Explore child-care roles and responsibilities and discover why early childhood education matters. You'll learn the rules and regulations of child-care facilities, how to maintain a safe, clean, and healthy environment, and understand how to plan meals and menus for children. You will also study the various stages of early childhood development, including physical, cognitive, language, and social growth and how to recognize developmental milestones and delays.</p> <p><b>Required Materials:</b> None</p>	

<b>Early Childhood Education 1b: Developing Early Learners</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Early Childhood Education 1a: Introduction	<b>Vendor:</b> EDynamic
<p><b>Description:</b> What makes childhood such a wondrous time of learning and exploration? What can caregivers do to encourage this? In Early Childhood Education 1b: Developing Early Learners, you will learn more about the childhood experience and how to create fun, stimulating, and educational environments for children. Discover how to get children excited about learning and, just as importantly, to feel confident about their abilities. Learn to effectively communicate with children, how to create good behavior, and how to discipline youth of different ages. You will also learn how to encourage language development in</p>	

young children and how to create a literacy-rich environment. Finally, build an educational plan that will help you meet your career goals and explore professional development opportunities that will assist you on your path.

**Required Materials:** None

<b>Environmental Service Systems Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Middle school level general science, math, and Social Studies.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This semester-length, high school elective introduces students to career opportunities and educational pathways in a wide array of environmental fields. Students examine environmental legislation and regulations, government agencies and organizations, monitoring and testing methods and requirements. They discover the relationship between environmental regulations and careers, and study the issues, history, and current status of air and water quality, soil and atmospheric conditions. In an environmentally challenged world, ESS professionals are critically important. Job outlooks and salary scales reflect this need for educated, dedicated researchers, scientists, engineers, etc.</p> <p><b>Required Materials:</b> Word processing software, Presentation software, Internet and research resources</p>	

<b>Family and Community Services Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> There are no specific requirements for taking and succeeding in this course. This is a foundation course on family and community services that provides an overview of family and community systems and the professionals who serve and support them.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course introduces applications within professions related to Family and Community Services. You will identify degree and credential requirements for occupations in this pathway and identify individual, social, historical, economic, and cultural context to increase awareness of family and community services. You will develop the abilities necessary to evaluate and identify a range of effective communication strategies and skills for establishing a collaborative relationship with others. You will also complete a variety of projects to apply your skills and knowledge.</p> <p><b>Required Materials:</b> Word processing software, Presentation software, Internet and research resources</p>	

<b>Fashion and Interior Design 1a:Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Do you have a flair for fashion? Are you constantly looking for new ways to decorate or design your room? If so, Fashion and Interior Design is the course for you. Explore the world of design and begin to understand the background and knowledge needed to develop a career in this exciting field. Try your hand at designing through a project-based process, learning how color, composition, and texture can all affect great aesthetics. You'll develop the essential communications skills necessary to build a</p>	

successful business and begin to develop the kind of portfolio that will lead to future career opportunities. Perhaps it's time to get your stylish foot in the door?

**Required Materials:** • Clothing items

- Sewing machine
- Digital camera
- Thread
- Fabric
- Clothing Patterns
- Measuring tape
- Sketchpad
- Paper
- Scissors

<b>Fashion and Interior Design 1b: Planning Your Vision!</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Building on the prior prerequisite course, students will engage in fashion and interior design projects where diligence in selecting materials and supplies, applying a cost analysis, and budget planning will be exercised. Students will also actively participate in the decision-making and planning processes to execute their vision. Finally, students will explore decorating and furnishing styles, eco-friendly considerations, and the application of principles and elements of design to interior decorating. Students will apply their creativity in a constructive manner!</p> <p><b>Required Materials:</b> • Clothing items</p> <ul style="list-style-type: none"> <li>• Sewing machine</li> <li>• Digital camera</li> <li>• Thread</li> <li>• Fabric</li> <li>• Clothing Patterns</li> <li>• Measuring tape</li> <li>• Sketchpad</li> <li>• Paper</li> <li>• Scissors</li> </ul>	

<b>Forensics: Using Science to Solve a Mystery Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> It is recommended that the student have successfully completed a secondary-level course in biology and have a good background in physical science.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course is the overview of modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects in order to present admissible evidence in courts of law. Modern-day forensic science practices have come into being thanks</p>	

to the contribution of science and legal professions seeking ways to study crime scenes and criminal activities in an effort to stop crime. Of particular interest in this course are the various applications of medicine in the field of forensic science.

This course identifies science concepts and critical thinking in the area of forensic science. Following the presentation of the concepts, students are encouraged to conduct online research exploring examples and applying the concepts just learned. Links to case studies and interactive learning tools are supplied along with high-quality research sites.

Projects are assigned throughout the course that allow students to actively apply the information just learned. These projects include simulated crime-scene investigation, actual DNA separation, development of a cybersecurity plan, and the identification of specific forensic skills used during the course of a very large murder case.

The focus of this course is to assist students in making career choices. Secondary school students who complete this course will have gained an awareness of the diversity of careers available in the forensic field. In addition, attention is drawn to many similar careers in medicine and computer science. Included in this overview of careers is the consideration of job descriptions and availability, educational and training requirements, licensing and certification, and typical annual salaries. Students who take this class will become equipped to make more informed career choices in regards to the forensic and medical science fields. At the same time, students will survey the history and scope of present-day forensic science work.

**Required Materials:** High-speed Internet and functional sound system, a presentation software program such as PowerPoint, updated word-processing capabilities, a good firewall and anti-virus protection

<b>Fundamentals of Computer Systems Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> For topics in this course, it is helpful for students to be familiar with the basics of using desktop or laptop computers as well as accessing Web sites over the Internet. If students are not familiar with these topics, it is recommended, though not required, that they familiarize themselves with the operating system and Web browser(s) they will be using for this course. This includes logging into an account, if necessary, exploring the different types of software available, navigating through some of the operating system menus to understand the available tools, and doing a basic search on the Internet.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> The Computer Fundamentals course will provide students with an understanding of computers and how they operate as well as a basic understanding of how to manage and maintain computers and computer systems. These skills will provide students with the ability to configure computers and solve computer problems.</p> <p>Students will learn details about the different elements of computers and computer systems. They will learn to identify hardware devices and their functions. They will be instructed on the role of operating systems as well as how to install and customize the Windows operating system. Students will learn about networking and the Internet. They will also be introduced to security issues in order to protect themselves and their computers and data.</p> <p>Students will also learn about some of the software applications typically used on computers today, such as Microsoft Office. In addition, students will learn specifics about maintaining and troubleshooting computers, including managing files, backing up systems, and using the administrative tools in the</p>	

Windows operating system. Lastly, the students will learn the basics of customer service and working as a help desk support technician.

**Required Materials:** Word processing software, Presentation software, Spreadsheet software, Computers with different operating systems, Research resources, Computer with Windows 7 operating system, Computer with Microsoft Office (2007, 2010 or 2013) installed, Set up a Google account

<b>Fundamentals of Digital Media Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Students should have a basic understanding of computers and the Internet.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course gives an overview of the different types of digital media and how they are used in the world today. Students examine the impact that digital media has on culture and lifestyle. The course reviews the basic concepts for creating effective digital media and introduces a number of different career paths that relate to digital media.</p> <p>Students will examine some tools used to create digital media and discuss best practices in the creating of digital media. This includes an overview of the process used to create new media pieces as well as the basics concepts of project management.</p> <p>In the course, students will examine the use of social media, digital media in advertising, digital media on the World Wide Web, digital media in business, gaming and simulations, e-commerce, and digital music and movies. Students will review ethics and laws that impact digital media use or creation.</p> <p><b>Required Materials:</b> Word processing software, Presentation software, Talk to friends or family on how businesses use digital media, research resources</p>	

<b>Great Minds in Science 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Sometimes there are simply more questions than answers. Does life exist on other planets? How extreme is the human ability to survive? Will the issue of global warming ever be solved? Today, scientists, explorers, and writers are working to answer such questions by using extensive inquiry to find innovative solutions. Similar to such famous minds from history as Edison, Einstein, Curie, and Newton, the scientists of today are finding ways to revolutionize our lives and the world. Great Minds in Science: Ideas for a New Generation takes an in-depth look at the extraordinary work of these individuals and demonstrates how their ideas may very well shape the world of tomorrow.</p> <p><b>Required Materials:</b> None</p>	

<b>Great Minds in Science 1b: Ideas for a New Generation</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Great Minds in Science 1a: Introduction	<b>Vendor:</b> EDynamic



**Description:** Sometimes there are simply more questions than answers. Does life exist on other planets? How extreme is the human ability to survive? Will the issue of global warming ever be solved? Today, scientists, explorers, and writers are working to answer such questions by using extensive inquiry to find innovative solutions. Similar to such famous minds from history as Edison, Einstein, Curie, and Newton, the scientists of today are finding ways to revolutionize our lives and the world. Great Minds in Science: Ideas for a New Generation takes an in-depth look at the extraordinary work of these individuals and demonstrates how their ideas may very well shape the world of tomorrow

**Required Materials:** None

<b>Introduction to Agriculture, Food, and Natural Resources Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Middle school level general science.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This semester-length high school elective introduces students to the basic scientific principles of Agriculture and Natural Resources. Students will be recognizing and researching plant systems, animal systems, government policy, “green” technologies, agribusiness principles, and sustainability systems.</p> <p><b>Required Materials:</b> Research resources, Presentation software, Paper, Pencil, pen</p>	

<b>Introduction to Careers in Education and Training Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> The Introduction to Careers in Education and Training course will introduce students to the field of education and training, and the opportunities available for early-childhood care, primary school, secondary school, higher education, vocational training, and adult and continuing education. The students will gain an understanding of the career options available in teaching, administrative work, and support services. They will also explore the education and background experience needed to succeed in these careers.</p> <p>Students will learn about the evolution of the modern educational system in the United States, and the policies and laws that govern educational institutions. They will also discover the similarities and differences between the ethical and legal obligations of working with adults versus working with children. Students will learn about the skills needed to be effective communicators. They will also learn how to differentiate between different types of learning theories, and they will explore how to implement current principles from educational psychology into the classroom.</p> <p>Students will also learn how to create a safe and healthy learning environment. They will discover the federal laws and agencies that set health-and-safety standards, and they will learn how these regulations are enforced in the workplace. The objective of this course is to introduce the student to the field of education and training, and to explain the career opportunities that are available in this field.</p> <p><b>Required Materials:</b> Word processor, research resources</p>	

<b>Introduction to Careers in the Health Sciences Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course is an overview of health careers and overriding principles central to all health professions. Units include:</p> <ul style="list-style-type: none"> <li>• science and technology in human health</li> <li>• anatomy, physiology, and disease development</li> <li>• privacy, ethics, and safety in health care</li> <li>• communication and teamwork in the health care environment</li> <li>• health careers; creating a diverse workforce of lifelong learners</li> </ul> <p>The course provides a foundation for further study in the field of health science. When students complete the course, they will be able to discuss the potential career choices and have an understanding of basic concepts that apply to many different career choices.</p> <p><b>Required Materials:</b> Word processing software, Presentation software, Internet and research resources</p>	

<b>Introduction to Consumer Services Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Algebra I	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> In this introductory Consumer Services course, students analyze various career paths in terms of employment opportunities. We will discuss educational requirements, including applicable hard and soft skills, certifications, and licensures for different pathways. Developing research, analytical, and presentations skills will be key components.</p> <p>This course is designed as an overview to prepare students for a consumer services-related career and to introduce them to specialty areas. Emphasis is placed on the human services aspect (vs. corporate concerns) of consumer services. Social issues and advocacy, as well as ethics and legalities, are a recurring theme. Students will gain knowledge of current issues affecting various consumer services professions, and the impact of local, state, national and global issues on consumer services.</p> <p><b>Required Materials:</b> Internet or other research material, Word processing, software, Interview someone in a relatively high management position at a consumer services-related organization, Spreadsheet application</p>	

<b>Introduction to Human Growth and Development Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course focuses on human growth and development over the lifespan, as well as careers that help people deal with various physical, intellectual, and socioemotional issues, such as physicians, nurses, nutritionists, substance abuse counselors, clergy, teachers, career counselors, psychologists, and psychiatrists.</p>	

This course is important because it gives the student a background in human growth and development from before birth, through childhood, into adulthood, and through death and grief. It gives the student perspective and highlights where people in the caring professions are most needed. Students who take this course will come away with a broad understanding of all the careers that help people from birth to death. They will understand how people in the helping professions interact with each other and how continued growth in this sector can give them flexibility, good pay, and high job satisfaction.

**Required Materials:** Word processing software, Presentation software, Internet and research resources

<b>Introduction to Human Services Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course introduces high school students to the possibilities for careers in the human services professions. Through anecdotes, lessons, and a variety of assignments and projects, students will learn about the broad variety of jobs available in the human services. These begin with entry-level positions, such as associate social workers, that require only a two-year Associate of Arts degree. At the apex of the profession, being a psychiatrist brings the most prestige and the biggest salary, but only after many years of school and training.</p> <p>Students will learn exactly what the human services are and the ethics and philosophies of the helping professions. The history of the profession will be covered, as well as the impact of the cultural, social, and economic environment on individual people, especially those who are in need of social services assistance. By the conclusion of this course, students will have a firm introductory understanding of the social services professions. Employment at all levels of social work and related jobs is projected to grow rapidly over the next decade. Students will have a better idea of whether this is a career course they would like to explore further.</p> <p><b>Required Materials:</b> Word processing software, Presentation software, Internet and research resources</p>	

<b>Introduction to Information Technology Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> In this course, we introduce students to the knowledge base and technical skills that will help them to successfully compete for jobs within the Information Technology Career Cluster. Lessons are structured so that students learn and then demonstrate not only critical assessment and analytic skills, but also interpersonal skills that are valued so highly among IT employers.</p> <p>We explore a range of career tracks that include network engineers, application/programming developers, and systems analysts. These career paths are described in depth, discussing typical job responsibilities, educational and licensure requirements, working conditions, and job outlooks.</p> <p>Our lessons help students place the evolution of technology and job opportunities in context so that they will understand their important role in furthering its development. We believe that the most successful IT professionals combine technical know-how with leadership ability. To this end, students learn that their acquired expertise comes with the responsibility to represent themselves and the companies they work for within the highest legal and ethical standards.</p>	

**Required Materials:** Word processing software, Research resources, Presentation software, Spreadsheet software

<b>Learning in a Digital World: Strategies for Success</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> The digital world seems to change every day, and touch more of our lives. We use technology to communicate with friends and family, find neverending entertainment options, follow our favorite sports teams and fashion trends, and do our school work. In Learning in a Digital World you will get the tools to navigate this exciting and always changing world. Learn about real-world issues and how to solve real-world problems through interactive and hands-on assignments. Discover what it means to be a responsible digital citizen, expand your digital literacy, and become a successful online student. Consider the best ways to find, create, and share information, learn to maximize information and communication technologies, and explore digital content creation, from emails and blogs to social media, videos, and podcasts.</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"><li>• Digital camera – either camera phone, iPad, computer camera – as long as image can be recorded and uploaded to computer</li><li>• Paper and colored pencils if student chooses to hand draw certain activities</li></ul>	

<b>Life Skills 1a: Introduction</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> What do you want out of life? How do you achieve your dreams for the future? These can be difficult questions to answer, but with the right tools, they don't have to be. This course will encourage you to learn more about yourself and help you to prepare for the future. You will explore goal setting, decision making, and surviving college and career. You will also discover how to become a valuable contributing member of society. Now is the time to take action. It's your life, make it count!</p> <p><b>Required Materials:</b> None</p>	

<b>Marketing and Sales for Tourism and Hospitality Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course is designed as an introduction to the study of tourism and hospitality marketing and sales. Students will be introduced to marketing theory and application of the basic principles of marketing as applied in hospitality and tourism. The relationship between marketing and other functions such as advertising, sales techniques, and public relations in order to maximize profits in a hospitality organization is addressed. Students will have an opportunity to explore this multi-faceted world, identifying multiple career paths and opportunities.</p>	

**Required Materials:** Word processing software, Research resources, Video recording software, Presentation software

<b>Natural Resources Systems Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Students should be familiar with general concepts about the environment. Students wishing to gain additional insight into many of the issues and challenges facing wildlife managers before beginning this course may benefit from reviewing the information provided by the U.S. Department of Agriculture at <a href="http://usda.gov/wps/portal/usda/usdahome?navid=CONSERVATION">http://usda.gov/wps/portal/usda/usdahome?navid=CONSERVATION</a> .	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> People depend on natural resources. Regions, cultures, nations, and societies are shaped by how people use land, water, plants, and wildlife. The large and small ecosystems that make up the environment are complex. Each component of our ecosystem depends on another. The purpose of this course is to provide students with an overview of the planet's natural resource systems. Students will explore and develop a basic understanding of how the systems relate to one another. Students will consider the role people play in managing, using, protecting, and conserving natural resources. In addition, the course will provide information about many different careers that are available to students who are interested in natural resources and natural resource management.</p> <p><b>Required Materials:</b> Research resources, Presentation software, Wording processing/graphic software, Three people to survey</p>	

<b>Nursing 1a: Introduction to Nursing</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> none	<b>Vendor:</b> EDynamic
<p><b>Description:</b> Nursing is an in-demand career, perfect for someone looking for a rewarding and challenging vocation in the healthcare sector. With a strong focus on patient care, a nurse must be skilled in communication, promoting wellness, and understanding safety in the workplace. In Health Science: Nursing, you will explore communication and ethics, anatomy and physiology, and the practice of nursing. Learn how to build relationships with individuals, families, and communities and how to develop wellness strategies for your patients. From emergency to rehabilitative care to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.</p> <p><b>Required Materials:</b></p> <ul style="list-style-type: none"> <li>• Computer with word processing program like MS Word, Excel-type program, and slide show program like PowerPoint</li> <li>• Computer with access to internet</li> <li>• Brochure maker software (optional)</li> <li>• Video Recording device: smartphone, digital camera with audio, computer camera, or any device that can record both video and sound.</li> <li>• First aid kit and supplies:</li> <li>• Alcohol and cotton swabs or alcohol wipes</li> </ul>	

- Syringe or object to mimic syringe (pencil)
- Bandage materials: sterile gauze, tape, large bandages
- Space blanket
- Antiseptic cream/gel
- Scissors
- Cold pack
- Surgical Gloves
- Surgical Gown (or clothing that is similar)
- Object like a piece of fruit to demonstrate asepsis
- Clean towels or pieces of cloth
- Thermometer
- Bathroom scale
- Yardstick or measuring tape
- Stopwatch or watch with timer or second hand
- Friend or family member to act as your “patient”
- Practice dummy: a large pillow or stuffed animal is a good substitute
- Automated External Defibrillator or a box with two strings attached; the strings will need adhesive bandages or tape on the ends

<b>Personal Care Services Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course in Personal Care Services introduces students to a variety of careers in the following areas: cosmetology (including hairstyling and haircutting, esthetics, manicuring, makeup, and teaching) and barbering (including cutting and styling of hair and facial hair and manicuring for men); massage therapy, teaching body-mind disciplines (yoga, Pilates, and the martial arts), and fitness (general exercise classes and acting as a personal trainer); and mortuary science (embalming and funeral directing). The course teaches students about what each career entails and the education and training they will need to become credentialed in various career specialties. In addition, about half of the course is devoted to teaching knowledge associated with the various professions, so that students can get a feel for what they will have to learn and whether they would like to learn it.</p> <p><b>Required Materials:</b> Word processor, internet research resources</p>	

<b>Principles of Business and Finance Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course will introduce students to the fundamental structure of the American economy, the complexities of the global economy, and the principles, practices, and strategies associated with starting, managing, or simply working for a business.</p> <p>Through a combination of lessons and projects, students will trace a trajectory of their potential role in the American economy as consumers, laborers, and executives. With lessons on everything from marketing to writing formal business correspondence, from the basic structures and legal definitions of business to the</p>	

operations and importance of financial institutions, students will emerge from this course with a thorough introductory understanding of the business world.

Students will perform research, conduct interviews, and write papers on various topics designed to enrich their understanding of the American business environment. They will also navigate an interactive and creative project that spans the length of the course and asks students to engage their learning, imaginations and individual career motivation with the course material.

**Required Materials:** Research resources, Presentation software, Word processing software

<b>Principles of Coding Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Principles of Coding is designed to introduce students to the power of coding. Computer literacy has become just as important as reading and math literacy in the 21st Century. No matter what career students select, learning even the basics of coding and computers will benefit them. Additionally, every year there is a standing demand for 120,000 people who are trained in computer science. Jobs in this industry are growing at more than two times the national average of any other field i.</p> <p>Throughout this course, students are not only introduced to the basics of coding, but delve deeply into the thought processes behind designing technology. Right from the start, students learn the Engineering Design Process and follow this process to create games, simulations, and even a mobile application. Students learn the connection between the core subjects of English Language Arts and Math to Computer Science. Students also examine the impact of technology from a global perspective. The content was written to be highly-engaging for the middle-school audience. Multimedia and interactive elements are built into every lesson to ensure a high-level of student engagement throughout.</p> <p><b>Required Materials:</b> Scratch <a href="https://scratch.mit.edu/">https://scratch.mit.edu/</a> -a visual programming language. Students will need to create a free account.</p> <p>Scratch Studios: <a href="https://scratch.mit.edu/explore/studios/featured/">https://scratch.mit.edu/explore/studios/featured/</a> -an online community of Scratchers that learn and help each other using Scratch, app Inventor: <a href="http://appinventor.mit.edu/explore/">http://appinventor.mit.edu/explore/</a> : app-development platform designed by the same group that developed Scratch and draws upon the same research in educational computing and visual programming. Students will need a Google Account to access App Inventor. Mobile Applications introduced: Angry Birds, Cut the Rope, Where’s the Water?, Color Infection, World of Goo, Crazy Machines, myHomework Student Planner, MindNode, Blinkist, Evernote, Dropbox, Vivofit, Square, Paypal, Concur, Kayak, Garmin, Tap Card, EZ Pass.</p>	

<b>Public Health: Discovering the Big Picture in Health Care Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> It is assumed the student will have access to the Internet and associated resources and will understand how to conduct research using the Internet. It is important the student learn how to discern correct and quality information on the web. Students will need to conduct personal interviews as part of their projects.	<b>Vendor:</b> Odysseyware

**Description:** In this course, we discuss the multiple definitions of public health and the ways that these definitions are put into practice. We explore the five core disciplines and the ways that they interact to reduce disease, injury and death in populations. By understanding the roles of public health, we are able to gain a greater appreciation for its importance and the various occupations that one could pursue within the field of public health. Unit 1 introduces the definition of public health and provides a description that allows you to differentiate public health from other health care fields.

The five core disciplines and the interactions between local, state, and federal organizations are also discussed. The history of public health concludes the introductory unit. Unit 2 focuses on specific information regarding the core disciplines of behavioral science and emergency preparedness and response. Unit 3 takes a detailed look at epidemiology and bio statistics. Unit 4 relates to environmental and occupational health issues. Finally, Unit 5 describes global health and the future of public health.

**Required Materials:** Internet or other research material, Word processing software, Graphics software (ie: Microsoft Word or Publisher), Presentation software, materials to create a game (board, card or computer game), Rent or borrow the movie Contagion (2011)

<b>Science and Mathematics in the Real World Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<p><b>Prerequisites:</b> For this course, students should know the following: Science and mathematics provide a myriad of opportunities for challenging, rewarding, and lucrative careers in the STEM fields. STEM career paths develop out of a combination of academic and professional experience. STEM provides effective tools to generate solutions to real world problems. Students should have the following: An ability to access the Internet in order to review videos, articles, and additional educational materials provided throughout the course.</p>	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> Science and mathematics are part of the STEM (Science, Technology, Engineering, and Mathematics) multi- dimensional strategy that can effectively sustain our twenty-first century knowledge-based economy. STEM careers provide a wide variety of opportunities to understand and address global issues. The most pressing issues of this generation include overpopulation, environmental degradation, pollution, and global warming. These are all subjects of intense and dedicated research by STEM professionals in very diverse fields.</p> <p>In this course, students will focus on how to apply science and mathematics concepts to the development of plans, processes, and projects that address real world problems, including sustainability and “green” technologies. This course also highlights how science and mathematics and the applications of STEM will be impacted as a result of the development of a greener economy.</p> <p>The course exposes students to a wide variety of STEM applications and to real world problems from the natural sciences, technology fields, and the world of sports, and emphasizes the diversity of STEM career paths. The importance of math, critical thinking, and mastering scientific and technological skill sets is highlighted throughout. Challenging and enjoyable activities provide multiple opportunities to develop critical thinking skills and the application of the scientific method, and to work on real world problems using STEM approaches.</p> <p><b>Required Materials:</b> Internet research resources, word processor</p>	



<b>Scientific Discovery and Development Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Biology recommended.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course teaches students about careers in laboratory science while simultaneously instructing them on major concepts in the biological sciences. The curriculum is quite comprehensive and is spread over five units:</p> <p>Unit One begins with a history of clinical laboratory science, which covers two lessons. These lessons lay the groundwork by explaining how clinical laboratories evolved and became professionalized and how scientific discoveries and breakthroughs fueled the development of the laboratory while the sub-disciplines in biology were also advancing. The science covered in the first unit includes immunology, the circulatory system, and the blood-bank system.</p> <p>Unit Two touches on the circulatory system and gives more detailed instruction on microbiology and the subfields within it.</p> <p>Unit Three covers cells and tissues and includes discussion of cell division as well as basic genetics.</p> <p>Unit Four launches into research. A brief history of the philosophy of science is provided to students, along with an explication of the scientific method. The unit goes on to teach the difference between basic and applied research. This unit also covers three major areas in bioresearch: biotechnology, nanotechnology, and pharmaceutical research and development.</p> <p>Unit Five culminates with research in the social science that is something of a hybrid, since the topics cross over into science. Emphasis is put on the interdisciplinary nature of this type of research. The last few lessons in the unit raise the controversial issues of embryonic stem-cell research and the problems raised by outsourcing clinical research. The final lesson gives students a chance to catch their breath and do some exercises that can help them find a career path they are interested in.</p> <p><b>Required Materials:</b> Paper, pen, access to research materials including Biology and Anatomy textbooks.</p>	

<b>Teaching and Training Careers Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> No prerequisite.	<b>Vendor:</b> Odysseyware
<p><b>Description:</b> This course introduces students to the art and science of teaching. It provides a thorough exploration of pedagogy, curriculum, standards and practices, and the psychological factors shown by research to affect learners. In five units of study, lessons, and projects, students engage with the material through in-depth exploration and hands-on learning, to prepare them for teaching and training careers. Students are given many opportunities to be the teacher or trainer, and to explore the tasks, requirements, teaching strategies, and research-based methods that are effective and high- quality.</p> <p><b>Required Materials:</b> Internet research resources, word processor</p>	

<b>Therapeutics: The Art of Restoring and Maintaining Wellness Comprehensive</b>	<b>Credits:</b> .5
<b>Grade:</b> 9-12	<b>Length:</b> Semester
<b>Prerequisites:</b> Students should have access to a computer with Internet and a good working knowledge of how to find information on the Web.	<b>Vendor:</b> Odysseyware

While sample URLs are usually presented as a starting point, the student should have a basic knowledge of using search engines to find specific information.	
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**Description:** This course focuses on careers that help restore and maintain mobility and physical and mental health, such as physical therapists, physical therapy assistants, occupational therapists, athletic trainers, massage therapists, dieticians and dietetic technicians, art therapist, neurotherapists, vocational rehabilitation counselors, and registered dental hygienists.

Each career is explored in depth, examining typical job duties, educational and licensure requirements, working conditions, average salary, and job outlook. Key concepts and specific skill sets are introduced in the lessons, allowing students to apply what they have learned to health careers. This course is important because skilled health care workers are in high demand and expected to remain so for the foreseeable future. The unprecedented growth in this field is due to an aging population with more chronic conditions, new technology that has saved and lengthened lives, and increased demand for high-tech services. Students who take this course will come away with a broad perspective of the myriad career opportunities in health care today. They will understand how people in different health care professions interact with each other, and how significant expected growth in the industry can give them flexibility, good pay, and high job satisfaction.

**Required Materials:** Internet or other research material, word processing software, Ruler, Duct Tape, Gauze or fabric, Paper, scissors, glue, magazine cutouts, etc. to make a collage