

SusQ-Cyber Charter School

Course Catalog and Career Clusters / Pathways Navigation Guide

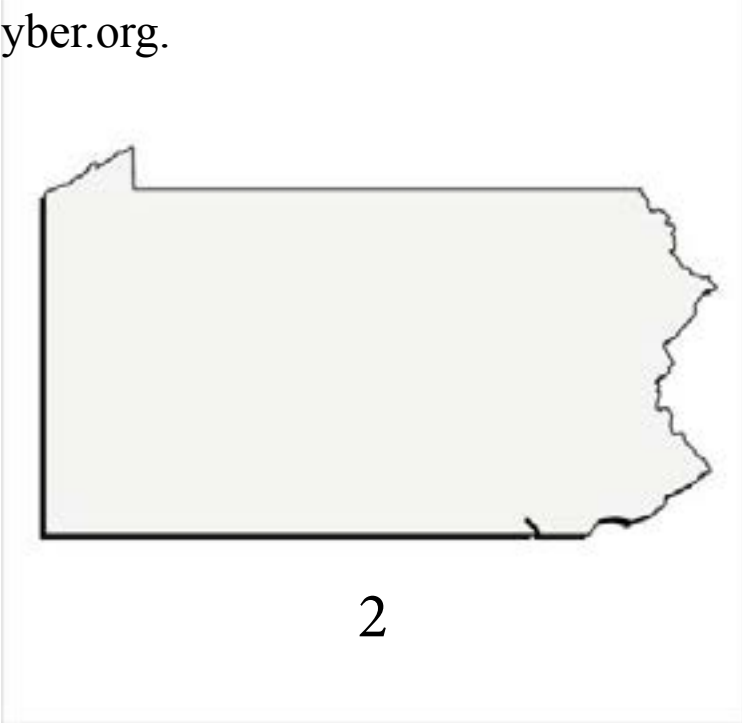
2021 - 2022
School Year

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As the first and smallest cyber charter school in the Commonwealth of Pennsylvania, SusQ-Cyber Charter School strives to provide the highest quality education possible while adhering and adapting to the current Pennsylvania Department of Education standards. Our course catalog has undergone some changes and updates to meet the current standards.

A career pathway is a broad grouping of careers that share similar characteristics. It is recommended that students consider their career interests when selecting elective course work and activities. All SusQ-Cyber students will complete interest surveys that indicate a recommended Career Cluster. The Pennsylvania Department of Education has grouped Career Clusters into the following five career pathways: **Arts and Communication; Business, Finance, and Information Technology; Engineering and Industrial Technology; Human Services; Science and Health.**

We encourage you to take some time and browse this catalog to see what courses are available to you as a student of SusQ-Cyber Charter School. If you have any questions or concerns, please don't hesitate to reach out to our student services department at 570.245.0252 Ext. 1001 or by email at ktrenholm@susqcyber.org.



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SusQ-Cyber Charter School offers both *synchronous* courses and *asynchronous* courses. *Synchronous* courses are prepared and instructed by our staff. The *asynchronous* courses offered are offered through Ed Options Academy.

Career Clusters and Pathways

Art and Communications

Designed to cultivate students' awareness, interpretation, application and production of visual, verbal and written work

- Career Cluster: Arts, A/V Technology & Communication

Related Electives:

- *American Protest Literature
- *Applied English and Communications
- Art Appreciation
- Art in World Cultures
- Audio Video Production
- *Designs in 3D Printing
- Digital Photography
- Electronic Communication Skills
- Fashion and Interior Design
- *Geography
- Graphic Design and Illustration
- Introduction to Visual Arts
- Law & Order: Introduction to Legal Studies
- Webpage Technologies
- Communication Systems/Video Production
- Music Appreciation
- Mythology and Folklore
- *Parenting
- Professional Photography
- Public Speaking
- *Readings in Short Stories
- *Thinking Through Media

Courses marked with an * are synchronous courses instructed by SusQ-Cyber Faculty.

Business, Finance and Information Technology

Designed to prepare students for careers in the world of business, finance and information services.

- Career Clusters: Information and Technology; Finance, Business Management and Administration; Marketing

Related Electives:

- Accounting I
- Audio Video Production
- Business Information Management
- Entrepreneurship
- Fashion and Interior Design
- Game Development
- Graphic Design & Illustration
- Introduction to Cyber
- Law & Order: Introduction to Legal Studies
- Webpage Technologies
- Computer Programming 1
- Comp TIA A+ 200-901 Exam Preparation
- Comp TIA A+ 200-902 Exam Preparation
- *Economics
- International Business
- Marketing, Advertising and Sales
- Principles of Business, Marketing & Finance
- Principles of Law, Public Safety, Corrections and Security
- Public Speaking
- Sports and Entertainment Marketing

Courses marked with an * are synchronous courses instructed by SusQ-Cyber Faculty.

Engineering and Industrial Technology

Designed to cultivate students' interest, awareness and application to areas related to technologies necessary to design, develop, install or maintain physical systems.

- Career Clusters: Transportation, Distribution, and Logistics; Manufacturing; Architecture and Construction

Related Electives:

Art Appreciation
Audio Video Production
*Designs in 3D Printing
Webpage Design
Computer Programming 1
Comp TIA A+ 200-901 Exam Preparation
Comp TIA A+ 200-902 Exam Preparation
Introduction to Manufacturing: Product Design and Innovation
Principles of Engineering & Technology
Principles of Manufacturing
Principles of Transportation, Distribution and Logistics
Public Speaking

Courses marked with an * are synchronous courses instructed by SusQ-Cyber Faculty.

Human Services

Designed to cultivate students' interests, skills and experience for employment in careers related to families and human needs.

- Career Clusters: Government and Public Administration; Education and Training; Human Services; Hospitality and Tourism; Law, Public Safety, Corrections, and Security

Related Electives:

*A/P Psychology
Audio Video Production
Careers in Criminal Justice
Communication Systems/Video Production
*Contemporary Social Issues
Cosmetology: Cutting Edge Styles
Criminology: Inside the Criminal Mind
Forensic Science 1: Secrets of the Dead
Foreign Languages (Spanish, French, Chinese, German, Latin)
Introduction to Criminology
Law & Order: Introduction to Legal Studies
*Parenting
Peer Counseling
Principles of Education and Training
Principles of Government and Public Administration
Principles of Hospitality and Tourism
Principles of Human Services
Principles of Law, Public Safety, Corrections and Security
Public Speaking

Courses marked with an * are synchronous courses instructed by SusQ-Cyber Faculty.

Science and Health

Designed to cultivate students' interest in the life, physical and behavioral sciences. In addition, the planning, managing and providing of therapeutic services, diagnostic services, health information and biochemistry research development.

- Career Clusters: Science, Technology, Engineering, and Math; Agriculture, Food, and Natural Resources, Health Sciences

Related Electives:

- *Anatomy
- Anthropology 1: Uncovering Human Mysteries
- Applied Medical Terminology
- *Contemporary Social Issues
- *Conservation of Resources
- Communication Systems/Video Production
- Certified Nurses Aid
- Health Careers
- Health Science
- Introduction to Agriscience
- Introduction to Nursing
- *Marine Biology
- Principles of Agriculture, Food & Natural Resources
- Principles of Health Science
- *Space Exploration

Course Catalog By Department

Business and Career Technology

Communications Systems / Video Production

Course Length: Full Year

Grade Levels: 12, 11, 10

Credits: 1.0

Department: Business and Career Technology

Prerequisites: None

This course will cover basics of communications systems and video production.

CompTIA A+ 220-901 Exam Preparation

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: Technology and Design with 3D Printing

This course is focused on the exam objectives of CompTIA A+ 220-901. Students will learn about computer hardware and networking. Students will learn about mobile devices and their features. Students will learn how to identify and troubleshoot problems related to hardware, networking, printers, storage devices, and mobile devices. Unit activities in the course help students to develop and apply critical thinking skills. Animations and screenshot-based slideshows included in the lesson keep students engaged. Students can understand technical concepts very easily. Simulations provide students a real computer environment to practice various procedural steps. These simulations emulate the CompTIA A+ performance-based questions. Practice Test at the end of the course help students to attempt questions that are similar to CompTIA A+ 220-901 certification exam.

CompTIA A+ 220-902 Exam Preparation

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: CompTIA A+ 220-901 Exam Preparation

This course is focused on the exam objectives of CompTIA A+ 220-902. Students will learn about Windows operating system and mobile operating systems. Students will learn about security, cloud computing, and operational procedures. Students will also learn how to identify and troubleshoot problems related to Windows operating system, security, and mobile operating systems. Unit activities in the course help students to develop and apply critical thinking skills. Animations and screenshot-based slideshows included in the lesson keep students engaged. Students can understand technical concepts very easily. Simulations provide students a real computer environment to practice various procedural steps. These simulations emulate the CompTIA A+ performance-based questions. Practice Test at the end of the course help students to attempt questions that are similar to CompTIA A+ 220-902 certification exam.

Computer Programming I

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: Technology and Design with 3D Printing

Part of the Courseware Career and Technical Education (CTE) Library, Computer Programming combines engaging online and offline activities in a rigorous one-semester course for your high school students who may be aspiring to technical careers. Building on lessons covering the software development lifecycle and software development methodologies, the course uses online discussions, activities, and lessons to lead your students through additional key topics such as quality control, system implementation, and maintenance and the increasingly important issue of system security.

***Cooperative Education**

Course Length: Full Year

Grade Levels: 12, 11, 10 with special permission

Credits: 1.0

Department: Business and Career Technology

Prerequisites: C or higher in core courses

This full year is an elective program open to juniors and seniors. Co-op provides goal-oriented occupational education to students electing this program through on-the-job training. Successfully completing the Cooperative Work Experience will provide the student with a better understanding of the world of work as well as occupational training. Goals of the course will include:

- Enhancing the co-op student's educational experience with real-world career related work experience.
- Allow the co-op student to explore, through on-the-job experience, the career options related to their academic work, and to verify their career choice.
- Increase the co-op student's maturity level by exposure to the profession work environment.
- Establish credentials for the co-op student to enhance their opportunities after graduation for employment or admission to college.

***Technology and Design with 3-D Printing**

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Business and Career Technology

Prerequisites: None

This is a one semester course designed to teach the basic function of a computer, types of computers, the hardware of a computer, operating systems, browsers, Internet-based programs, mobile devices and supportive devices such as 3-D Printing. This course provides studies with the opportunity to design, create, build, communicate and share ideas in solution concerning real-world problems.

Electronic Communication Skills

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: None

This semester-long course is based on Career and Technical Education (CTE) standards to help students prepare for entry into a wide range of careers and/or into postsecondary education. It is designed to enable students at high school level to develop electronic communication skills that they can use in their careers.

Game Development

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: Technology and Design with 3D Printing

In this course, students learn the ins and outs of game development to prepare them for a career in the field. Whether it is the history of video games, character development, mobile game design, user interface design, social gaming, or the principles of development design and methodologies, this 20-lesson course covers it all. As you might guess, games are included in the course to enhance the learning experience and help assess student progress. While fun and highly engaging, the course focuses on laying a strong foundation for a career in game development.

Graphic Design and Illustration

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: Technology and Design with 3D Printing

This course will help students develop an understanding of the industry with a focus on topics such as the history of graphic design, types of digital images, graphic design tools, storing and manipulating images, design elements and principles, copyright laws, and printing images. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the graphic design industry.

International Business

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: None

International Business is a one-semester course that covers the fundamentals of international business, international business transactions, and how a business can go global. In this course, students will learn about what international business is and how globalization has impacted it. They will learn about global trade and investment policies, and politics and laws that impact international business. Students will also learn about the International Monetary Fund, foreign exchange and global capital markets, key world economies, and economic cooperation across countries. The course also covers strategies to enter the international market along with factors like strategic planning, marketing, global sourcing, and logistics, human resource management, and employability skills. Students also learn about the cultural elements involved in conducting international business. Online discussions and course activities require students to develop and apply critical thinking skills, while the included games appeal to a variety of learning styles and keep students engaged.

Introduction to Criminology

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: None

Introduction to Criminology is a one-semester course with 14 lessons that cover the theories related to criminology. The target audience for this course is high school students. This course covers subject areas such as: classical theory, positivist theory, punishing offenders, routine activity theory, labeling theory, social disorganization theory, peacemaking criminology, and many more.

Introduction to Cybersecurity

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: None

This course introduces students to the field of cybersecurity, focusing primarily on personal computer use and vulnerabilities while also highlighting the wider scope of cybersecurity from a societal and career perspective. Specific topics include computer security, VPN and wireless security, risk management, and laws, standards, and ethics related to cybersecurity.

Introduction to Military Careers

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: None

This one semester course will introduce the student to the various careers available by joining a branch of the military.

Marketing, Advertising and Sales

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: None

Issues in marketing, advertising, and sales promotion are evolving rapidly in an increasingly digital environment. This course effectively helps your students prepare for a career in that environment through a comprehensive look at essential marketing principles, interactive tools and channels, and the growing impact of data in marketing and advertising. Simple to manage and easy to customize, the course provides an overview of all of the fundamental topics necessary to effectively put your students on a career path that unleashes their creativity and develops and leverages their critical thinking skills.

Personal Finance

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Business and Career Technology

Prerequisites: None

This semester course is designed to help students prepare for the financial decisions they must face and to make informed decisions relating to budgeting, banking, credit, insurance, spending, taxes, saving and investing, and living independently. They also learn the importance of investing in themselves in order to gain the knowledge and skills valued in the marketplace. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

Sports and Entertainment Marketing

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Business and Career Technology

Prerequisites: None

This course is designed to enable all students at the high school level to develop skills they will need to be successful in sports, entertainment, and recreational marketing professions. Students learn about the structure of a business firm and financial statements. Students also learn about the basics of sports, entertainment, and recreation marketing. Finally, students explore essential career skills, such as teamwork and time management. This course covers topics such as marketing staples, mapping markets, marketing communication, and making the sale. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in sports, entertainment, and recreational marketing field.

Veterinary Science: The Care of Animals

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: None

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. This course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times humans as well. Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied.

Web Technologies

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Business and Career Technology

Prerequisites: None

Whether they know it or not, almost all students have an interest in web design. This course takes students inside the essentials of web design and helps them discover what makes a site truly engaging and interactive. Lessons such as Elements of Design, Effects of Color, and Typography help students understand the elements of effective and dynamic web design. This course covers the basics of HTML, CSS, and how to organize content, and helps to prepare them for a career in web design.

Health, Physical Education and Family and Consumer Science

Culinary Arts

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Health, Physical Education, and Family and Consumer Sciences

Prerequisites: None

This course is designed to enable all students at the high school level to learn the basics of culinary arts. Students will trace the origin and development of the culinary arts. They will also discuss important contributions made by chefs, notable culinary figures, and entrepreneurs. They'll analyze how trends in society influence trends in the food service industry. In addition, they'll examine the social and economic significance of the food service industry. This course also covers topics in health, sanitation, and sanitation, culinary skills, and more. The course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in the culinary industry.

***Health I**

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Health, Physical Education, and Family and Consumer Sciences

Prerequisites: None

Health I is a one semester, three-unit course designed to explore health and wellness, looking at the different types of health and all of the influences on healthy decisions. Students will investigate life skills, communication skills, decision-making strategies. Additional topics will include adolescence, mental & emotional health, and physical health topics such as nutrition, body image, metabolism, and fitness. Finally, students will learn about methods to minimize health risks in the environment, prevent injuries, and when to visit a health care provider.

***Health II**

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Health, Physical Education, and Family and Consumer Sciences

Prerequisites: None

Health II is a one semester, three-unit course designed to continue the exploration of health and wellness, looking at the different types of health concerns teenager and young adult face. Students will explore topics such as tobacco, alcohol, illegal drug use, as well as appropriate use of medicine and prescription drugs. Other topics will include communicable & non-communicable diseases, physical injuries, and prevention methods. Finally, students will study family dynamics, life changing events, healthy relationships, sexual health, reproduction, fetal development, life staging, and the aging process.

Health Careers

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Health, Physical Education and Family and Consumer Science

Prerequisites: None

In this course, students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.

Health Science I

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Health, Physical Education, and Family and Consumer Sciences

Prerequisites: None

The course is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in the health science industry. Semester A is designed to enable all students at the high-school level to understand the basic structure and function of the human body and it will help the students identify and analyze the diseases and medical procedures related to each body system. This course will help the students develop an understanding of biomolecules such as proteins, carbohydrates, and lipids; biological and chemical processes; and various diseases that affect the body.

Health Science II

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Health, Physical Education, and Family and Consumer Sciences

Prerequisites: None

This course is designed to enable all students at the high-school level to learn the basics of health science. The course will help the students develop an understanding of the academic qualifications, personal skills, training, and use of healthcare tools required to work in the healthcare industry. The course is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in the healthcare industry.

***Parenting**

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Health, Physical Education, and Family and Consumer Sciences

Prerequisites: None

Parenting is a one-semester, 0.5 credit stand-alone course designed to teach the importance of caring for children and the unique challenges individuals face as parents. Topics will include: childhood and human development, basic parenting skills, meeting a child's needs, understanding temperament & emotions, developing intellect, teaching values, instilling self-esteem, age-appropriate communication, the dynamics of behavior & discipline, the importance of being a good role model, and reflecting, learning from one's own childhood. This course is not only for current parents, but also future parents, relatives, caregivers, professionals, and people who may have a role in any child's growth and development.

***Physical Education Online**

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Health, Physical Education, and Family and Consumer Sciences

Prerequisites: None

This is a one semester, four-unit course designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. In this course, students will participate in fitness pre and post assessments in which they will measure and analyze their levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. Students will also learn more about the benefits of physical activity, as well as the exercise techniques and guidelines that will keep them safe and healthy.

Principles of Health Science

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Health, Physical Education, and Family and Consumer Sciences

Prerequisites: None

With an engaging and interactive instructional approach, this rigorous course provides your students with a comprehensive overview of health science topics and careers. Health science professionals are in increasing demand and of increasing interest, and this semester-long course is an effective way to introduce students to the wide array of health science careers. Beginning with medical terminology, the course includes an overview of physiology and human homeostasis and more.

***Wellness**

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Health, Physical Education, and Family and Consumer Sciences

Prerequisites: None

Wellness is a one semester course designed to explore teen components of healthful living. Students will receive iPads with pre-installed Apps that will monitor their wellness levels as it relates to physical health (PE, Health-based content) and environmental health (Health, Science-based content). Students will explore ways they can maintain or improve upon their current level of fitness, healthy diet, and environmental awareness and safety.

Humanities

Art History and Appreciation

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Humanities

Prerequisites: None

This course explores the main concepts of art, expression, and creativity as it helps students answer questions such as what art is; what creativity is; and how and why people respond to art. It covers essential design principles such as emphasis, balance, and unity. Units include: Art, History, and Culture; Western and World Art Appreciation; and Art and the Modern World.

Foreign Languages

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Humanities

Prerequisites: Approval of Student Services

One semester long class in the student's choice of Chinese, French, German, Latin, Spanish.

Music Appreciation

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Humanities

Prerequisites: None

In a time of an increasing emphasis on STEM courses and skills, it remains essential to provide your students with opportunities to explore the arts from both an informational and career-oriented perspective. In Music Appreciation, students will explore the history and evolution of music, learn the elements of music and musical notations, and the contributions of popular music artists and composers. A variety of lessons, activities, and discussions will help to develop an awareness and appreciation of music that will develop not only critical thinking skills, but life enriching skills as well.

Language Arts

*American Protest Literature

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Language Arts

Prerequisites: Passed last English course

Experience the dramatic impact of literature to achieve social change in this survey of a selection of American literary works. This course examines a variety of influential pieces, including Thomas Paine's pamphlet Common Sense, which challenged the British government's authority over the American colonies; Harriet Beecher Stowe's novel, Uncle Tom's Cabin, credited for intensifying abolitionist sentiments prior to the Civil War; and Rebecca Harding Davis's novella, Life in the Iron Mills, realistically depicting the life of an iron-mill worker and the hardships suffered by the working class during the age of growing industrialization.

*Applied English and Communications

Course Length: One Semester

Grade Levels: 12, 11

Credits: 1.0

Department: Language Arts

Prerequisites: Passed last English course

This is a full-year course offered over one semester that focuses upon building reading, vocabulary, writing, speaking, and listening skills to prepare students for application in vocational settings. Students take the Achieve 3000 Level-Set test and are assigned nonfiction texts on reading level. Students work on developing reading skills and strategies to apply to fiction and nonfiction texts. Vocabulary studies focus upon acquisition of root words and affixes, as well as unit words and activities from the Sadlier Vocabulary for Success series. Students develop practical skills, like note-taking, following directions, drafting emails, designing presentations, writing expository texts, practicing close-reading, paraphrasing/summarizing, and analyzing texts. This course is designed for students in grades 9-12 in need of developing reading and writing skills before moving onto more complex challenges with Language Arts and literature.

*Career Language Arts A

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Language Arts

Prerequisites: None

Career Language Arts A is the first half of a two-part course that prepares students for real-world application of reading, comprehension, analysis, synthesis, writing, listening, and speaking skills at the level they will need to be successful beyond high school. Students read and analyze primarily non-fiction texts, draft intelligent and insightful written responses, and participate in verbal discussions in live sessions and on discussion boards. Students will learn how to engage with, analyze, and respond to media. They will also read, interpret, and respond to career and field-related texts. Students will create career and skill-related instructional videos using their iPads to demonstrate proficient communication and the ability to teach peers a practical skill.

*Career Language Arts B

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Language Arts

Prerequisites: None

Career Language Arts B is the second half of a two-part course that prepares students for real-world application of reading, comprehension, analysis, synthesis, writing, listening, and speaking skills at the level they will need to be successful beyond high school. Students read and analyze primarily non-fiction texts, draft intelligent and insightful written responses, and participate in verbal discussions in live sessions and on discussion boards. Students will learn how to engage with, analyze, and respond to media. They will also read, interpret, and respond to career and field-related texts. Students will create career and skill-related instructional videos using their iPads to demonstrate proficient communication and the ability to teach peers a practical skill. Part B of the course adds practical reading and comprehension of literature that is helpful and necessary for students' success beyond high school, including legal forms, along with tax, financial, and real estate documents.

*Communication Studies through Computer Applications

Course Length: Full Year

Grade Levels: 12, 11, 10, 9

Credits: 1.0

Department: Language Arts

Prerequisites: None

This course is designed for students to apply and evaluate basic computer operations and concepts. Throughout the year, students will focus on applying and enhancing word processing, spreadsheet, presentation, and database skills. Students will begin to research potential post-secondary options and create a resume and cover letter, as well as explore and participate in the job application process. 21st Century Communications Skills such as Web 2.0, Internet safety and digital citizenship will also be addressed. Students will also learn about different styles of writing and practicing correct grammar.

*English 2

Course Length: Full Year

Grade Levels: 12, 11, 10

Credits: 1.0

Department: Language Arts

Prerequisites: Communication Studies Through Computer Applications or English 1

English II students study literature, reading comprehension, vocabulary, essay development, research, functional text, and communication. Through the study of novels, short stories, poetry drama, and nonfiction, students analyze literary elements and devices, text structure, author's purpose, and historical significance. Students develop strategies for reading comprehension and vocabulary acquisition through explicit instruction, teacher models, and think-alouds. Students write a variety of multi-paragraph essays with emphasis on the writing process. Grammar instruction is integrated within writing activities. Students study the research process and complete a research paper. Students study a variety of communication strategies and applications.

***English 3 Part 1**

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Language Arts *Prerequisites:* Career Language Arts or English 2

English 3 Part 1 is the first semester of a two-part course. Students study literature, reading comprehension, vocabulary, essay development, functional text, and research. Through the study of American literature covering the periods of Exploration to Post- Revolution/Early Nationalism, students analyze literary elements and devices, text structure, author’s purpose, and historical significance. Students develop strategies for reading comprehension and vocabulary acquisition through explicit instruction, teacher models, and think-alouds. Grammar instruction is integrated within writing activities. Students study the research process.

***English 3 Part 2**

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Language Arts

Prerequisites: Career Language Arts or English 2

English 3 Part 2 is the second semester of a two-part course. Students study literature, reading comprehension, vocabulary, essay development, functional text, and research. Through the study of American literature covering the literary periods of American Romanticism to Post-Modernism, students analyze literary elements and devices, text structure, author’s purpose, and historical significance. Students develop strategies for reading comprehension and vocabulary acquisition through explicit instruction, teacher models, and think-alouds. Grammar instruction is integrated within writing activities.

***English 4 Part 1**

Course Length: One Semester

Grade Levels: 12

Credits: 0.5

Department: Language Arts

Prerequisites: English 3

English 4 Part 1 is the first semester of a two-part course. Students study literature, reading comprehension, vocabulary, and functional text. Through the study of British literature, covering the Anglo-Saxon through the Renaissance periods, students analyze literary elements and devices, text structure, author’s purpose, and historical significance. Students develop strategies for reading comprehension and vocabulary acquisition through explicit instruction, teacher models, and think-alouds and apply these strategies to complex texts. Students write a variety of essays with an emphasis on responding to literature through analysis and synthesis.

***English 4 Part 2**

Course Length: One Semester

Grade Levels: 12

Credits: 0.5

Department: Language Arts

Prerequisites: English 3

English 4 Part 2 is the second semester of a two-part course. Students study literature, reading comprehension, vocabulary, and functional text. Through the study of British literature, covering the Restoration/Enlightenment through the Contemporary period, students analyze literary elements and devices, text structure, author’s purpose, and historical significance. Students develop strategies for reading comprehension and vocabulary acquisition through explicit instruction, teacher models, and think- alouds and apply these strategies to complex texts. Students write a variety of essays with an emphasis on responding to literature through analysis and synthesis.

***Keystone Literature**

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Language Arts

Prerequisites: Below Basic or Basic on Keystone Literature Exam

This one-semester, half-credit course provides remediation as preparation for retaking the Keystone Literature Exam for those students who scored “basic” or “below basic” on their most recent attempt on the exam. The curriculum includes review of Keystone Literature vocabulary terms; Tier 3 vocabulary; comprehension, analysis, and interpretation of literary fiction and non- fiction; analysis of informational texts; and open-ended writing practice. The course utilizes a variety of texts and teacher- generated resources, as well as practice and assessment in Study Island.

***Readings in the Short Story**

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Language Arts

Prerequisites: None

In this course students read a variety of short stories and learn about the elements of plot, character and setting, as well as other literary elements such as suspense and irony. Assessment: weekly quizzes & unit tests.

***Thinking Through Media**

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Language Arts

Prerequisites: None

Thinking Through Media is designed to assist students in developing the critical thinking and creative skills necessary for utilizing today's media to the benefit of themselves and society. We will examine various forms of media, such as media for information, entertainment, social connection, and business/industry. We will examine, interpret, and evaluate the representations in media and discuss how this media and these representations impact our society and ourselves, as individuals. Students will watch videos, read articles, listen to the news, and more. They will analyze the messages and impressions communicated through media, as well as the social changes and movements created by them. Assessments for this course will consist of discussions, essays, blog posts, verbal responses, and small projects in the forms of a radio advertisement, video, and magazine article.

Mathematics

***Algebra 1**

Course Length: Full Year

Grade Levels: 12, 11, 10, 9

Credits: 1.0

Department: Mathematics

Prerequisites: Pre-Algebra

Algebra I includes the continued study of variables, equations, and functions. Topics include: solving equations and inequalities, simplifying expressions, polynomials and factoring, graphing, radicals and expanding arithmetic knowledge.

***Algebra 2**

Course Length: Full Year

Grade Levels: 12, 11, 10, 9

Credits: 1.0

Department: Mathematics

Prerequisites: Algebra 1

Algebra 2 is a continuation of the topics of Algebra 1. The main concept covered is functions, including linear, quadratic, radical, rational, exponential and logarithmic, as well as their transformations. Counting principles, probability, and sequences and series are also presented during the course. Graphing calculators are used throughout the course as a tool to help provide a better understanding of the concepts.

***Business Math**

Course Length: Full Year

Grade Levels: 12, 11, 10

Credits: 1.0

Department: Mathematics

Prerequisites: Algebra 1

This course covers the various aspects of consumer-oriented business practices, which include keeping financial records; figuring pay rates, benefits, and commissions; understanding metric measures; and borrowing, saving and investing money. Practice problems in the course promote proficiency in dealing with everyday mathematical situations.

***Geometry**

Course Length: Full Year

Grade Levels: 12, 11, 10, 9

Credits: 1.0

Department: Mathematics

Prerequisites: Algebra 1

Geometry emphasizes skills necessary for problem-solving and continued growth in mathematics through the use of geometric terms and processes, logic and problem-solving. Topics covered include properties, congruence, and similarity of triangles, area, and perimeter of polygons, properties of circles and coordinate geometry. Methods of completing proofs are also presented.

***Pre-Algebra**

Course Length: Full Year

Grade Levels: 10, 9

Credits: 1.0

Department: Mathematics

Prerequisites: None

Pre-Algebra is designed to help prepare you for Algebra 1. The major concepts covered in this course include using variables and finding solutions, solving equations, working with integers, geometry concepts, working with graphs, and probability.

***Precalculus**

Course Length: Full Year

Grade Levels: 12, 11, 10

Credits: 1.0

Department: Mathematics

Prerequisites: Algebra 2, Geometry

Precalculus builds on algebraic concepts to prepare students for calculus. The course begins with a review of basic algebraic concepts and moves into operations with functions, where students manipulate functions and their graphs. Precalculus also provides a detailed look at trigonometric functions, their graphs, the trigonometric identities, and the unit circle. Finally, students are introduced to polar coordinates, parametric equations, and limits.

***Probability and Statistics**

Course Length: Block Scheduled

Grade Levels: 12, 11

Credits: 1.0

Department: Mathematics

Prerequisites: Algebra 1

This course is geared toward students who have at least completed Algebra I. This course introduces students to the basic concepts and logic of statistical reasoning and probability. Topics covered include Data Collections and Displays, Linear Relationships, Distributions, Representations of Data Sets, Central Tendency and Dispersion, Probabilities of Simple Events, Probabilities of Dependent/Independent Events.

Science

***Anatomy**

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Science

Prerequisites: None

This one-semester course centers on the function and organization of living organisms. Students will explore the body systems such as cardiovascular, muscular, skeletal, and digestive. In addition, students will look more closely at the cells of each of these systems and compare their functions and structures. This is a great follow-up course for students who have completed biology. Some labs and projects will be required.

***Applications in Chemistry**

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Science

Prerequisites: Introduction to Chemistry

This course will be part two of two, worth 0.5 credits. It will build from the fundamentals of chemistry learned in the introduction to chemistry course. During this course, we will cover balancing chemical equations, stoichiometry, limiting reagents, kinetic molecular theory, gas laws, solutions, and concentration.

***Biology**

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Science

Prerequisites: Ecology

This course will be part two of two worth 0.5 credits and must be taken after ecology. It will cover the cell and cell processes, cell cycle, heredity, and genetics. We will be utilizing simulations, labs, and projects to demonstrate mastery of the content.

***Conservation of Resources**

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Science

Prerequisites: None

Students will learn about our natural resources and how they contribute to our lives. Some resources, such as air, are renewable and, with proper management, will never be exhausted. Other resources, such as coal, are limited. We have to plan how to use them intelligently and plan for an era when they no longer will be available. This course will help students make wise decisions about resources and investigate related careers in their field.

***Earth Science**

Course Length: Full Year
Grade Levels: 12, 11, 10, 9
Credits: 1.0
Department: Science
Prerequisites: None

This course is designed as a two semester, third or fourth-year course in high school. Both Geology and Astronomy topics are presented, building on earlier science competencies that students have gained. Topics from the history of the universe and the Earth to modern topics are presented. Additional topics from Oceanography and Atmospheric Science are included as well. Approximately 150 hours of seat time are required to complete the course.

***Ecology**

Course Length: One Semester
Grade Levels: 12, 11, 10, 9
Credits: 0.5
Department: Science
Prerequisites: None

This course will be part one of two worth 0.5 credits and must be taken before Biology. It will cover the scientific method, Ecological Organization and Energy Flow, Biomes, Biodiversity and conservation, Biogeochemical Cycles, and evolution. We will be utilizing simulations, labs, and projects to demonstrate mastery of the content.

***General Science**

Course Length: Block Scheduled
Grade Levels: 12, 11, 10, 9
Credits: 1.0
Department: Science
Prerequisites: None

This is a full credit course designed to summarize what students have learned in their other science courses. Some of the topics covered throughout the course include the methods for scientific measurement, the structure and function of cells, the construction of the universe, and the ecological interaction of ecosystems. This course is a great way to pull everything in science together. Some labs and projects will be required.

***Introduction to Chemistry**

Course Length: One Semester
Grade Levels: 12, 11, 10
Credits: 0.5
Department: Science
Prerequisites: 80% in Algebra 1

This course will be part one of two, worth 0.5 credits. It will cover the fundamentals of chemistry including measurements and calculations, matter and change atomic structure, the periodic table and chemical names and formulas. Upon successful completion of this course, students will have the option to go into Applications of Chemistry. We will be utilizing simulations, labs, and projects to demonstrate mastery of the content.

***Keystone Biology**

Course Length: One Semester
Grade Levels: 12, 11, 10, 9
Credits: 0.5
Department: Science

Prerequisites: Below Basic or Basic on Keystone Biology Exam

This course revisits concepts introduced in the full-year biology course. Students who enroll in this course will have additional practice and remediation of scientific topics, focusing on improving their scores on the Keystone Biology exam. Topics covered include the scientific method, cell, cell processes, genetics, evolution, and ecology.

***Kitchen Chemistry**

Course Length: Full Year
Grade Levels: 12, 11
Credits: 1.0
Department: Science

Prerequisites: Biology, Introduction to Chemistry, Applications in Chemistry

This course will be a full year course worth 1.0 credits. It will build from the fundamentals of chemistry and biology by going in exploring how the chemistry impacts our experiences related to food. Students will be asked to design their own food related experiments related to each topic. Some of the topics that will be covered include how salt affects our food and cooking, the chemistry of baking powder, chemical changes during cooking, the chemistry of flavor and an exploration into the chemistry of vegetables. This course will require students to have successfully completed Biology, Introduction to Chemistry and Applications of Chemistry.

***Marine Biology**

Course Length: One Semester
Grade Levels: 12, 11
Credits: 0.5
Department: Science

Prerequisites: None

About 70% of the Earth is covered by water. Even today, much of the world's oceans remain unexplored. Marine scientists make new discoveries about aquatic life every day. Marine Biology is a one-semester course in which students will learn about the vast network of life that exists beneath the ocean's surface, from tiny plankton to great white sharks and giant sperm whales. Students will also find out more about the impact that humans have on the oceans, and how everyone can play a role in protecting the many organisms that live in the vast oceans of Earth.

***Motion and Energy**

Course Length: One Semester
Grade Levels: 12, 11, 10, 9
Credits: 0.5
Department: Science
Prerequisites: None

This course will be part two of two, worth 0.5 credits. It will be an introductory course to the interactions of matter. It will cover Newton's laws, energy, and waves and how these topics relate.

***Physics A**

Course Length: Full Year

Grade Levels: 12, 11, 10

Credits: 1.0

Department: Science

Prerequisites: Algebra 2

Physics introduces students to the physics of motion, properties of matter, force, heat, vector, light, and sound. Students learn the history of physics from the discoveries of Galileo and Newton to those of contemporary physicists. The course focuses more on explanation than calculation and prepares students for introductory quantitative physics at the college level. Additional areas of discussion include gases and liquids, atoms, electricity, magnetism, and nuclear physics.

***Scientific Measure and Matter**

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Science

Prerequisites: None

This course is designed to be a standalone course, worth 0.5 credits. It will be an introductory course to focusing on describing matter. It will cover scientific method, making measurements and calculations, matter and atomic structure, the periodic table and chemical names and formulas. This is part one of a two-part course.

***Space Exploration**

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Science

Prerequisites: None

Throughout this semester long course, students will explore the history and future of space exploration. We will cover such topics as the space race, the development of NASA, and the possibilities of living on other planets. Students will complete some readings, web quests, and projects as well as quizzes and exams.

Social Studies

***AP® Psychology**

Course Length: Full Year

Grade Levels: 12, 11

Credits: 1.0

Department: Social Studies

Prerequisites: None

The purpose of AP® Psychology is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. A variety of activities, demonstrations, and projects will be provided to meet this goal of instructing scientific and empirical approaches.

***Civics**

Course Length: Full Year

Grade Levels: 9

Credits: 1.0

Department: Social Studies

Prerequisites: None

In this two-semester course students learn the beliefs and principles on which the United States was founded and on the functions, structure, and powers of government at the local, state, and national levels. Students learn major political ideas and forms of government throughout history. A significant emphasis is placed on the U.S. Constitution, its fundamental principles and ideas, and the form of government it created. Students thoroughly analyze major concepts of republicanism, federalism, checks, and balances, separation of powers, popular sovereignty, and individual rights and compare the U.S. system of government with other political systems. Students identify the role of government in the U.S. free enterprise system and compare it to the economic systems. Students analyze the impact of individuals, political parties, interest groups, and the media on the U.S. political system, evaluate the importance of voluntary individual participation in a democratic society, and analyze the rights guaranteed by the U.S. Constitution. Students examine the relationship between governmental policies and the culture of the United States.

***Contemporary Social Issues**

Course Length: One Semester

Grade Levels: 12

Credits: 0.5

Department: Social Studies

Prerequisites: None

This course encourages critical thought and discussion on contemporary issues. It will provide students an opportunity to identify and evaluate political, cultural, and economic issues on a local, state, national, and international level. A variety of current news media are used to help students learn how contemporary social issues affect them and an emphasis is placed on their role as constructive citizens in an interdependent world.

***Economics**

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Social Studies

Prerequisites: None

This course focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

***General Social Studies**

Course Length: Block Scheduled

Grade Levels: 12, 11

Credits: 1.0

Department: Social Studies

Prerequisites: None

This course provides students with an opportunity to explore the interconnection between the social sciences. Students will explore history, geography, civics, and economics with a focus on mastering the main ideas and themes presented in each of these areas.

***US History**

Course Length: Full Year

Grade Levels: 10

Credits: 1.0

Department: Social Studies

Prerequisites: None

In this two semester, course students study the history of the United States from the Civil War to the present. Historical content focuses on the political, economic, and social events and issues related to sectionalism and slavery, industrialization and urbanization, major international wars, domestic and foreign policies of the Cold War and post-Cold War eras, and reform movements including the expansion of democratic processes and civil rights. Students examine the impact of geographic factors on major events and analyze causes and effects of the Great Depression. Students examine the impact of constitutional issues on U.S. society, evaluate the dynamic relationship of the three branches of the federal government and analyze efforts to expand the democratic process. Students analyze the impact of technological innovations on the American labor force. Students will learn contemporary US history including the terrorist threat of the early 21st century and efforts to combat this threat.

***World Geography**

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Social Studies

Prerequisites: None

World Geography students study people places and environments with local, regional, national, and international perspectives. Students will understand the influence of geography on the present and past. The course includes study of the physical processes that shape patterns in the physical environment; the characteristics and interrelationships of climates, major land forms, and ecosystems; the political, economic, and social processes that shape regions; types of settlement; the distribution and dispersion of world population; relationships between people, places and environments; and the idea of region. Students will analyze how location affects economic activities in different economic systems. Throughout the world. Students will identify the processes that influence political divisions and analyze how different points of view affect public policy priorities. Students will analyze the effects of technology and human modifications on the physical environment.

***World History**

Course Length: Full Year

Grade Levels: 11

Credits: 1.0

Department: Social Studies

Prerequisites: None

In this two-semester World History course, the student will develop a greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. This understanding is advanced through a combination of factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes the development of relevant factual knowledge, leading interpretive issues, and types of historical evidence. Beginning with the earliest known civilizations, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage up to the present. The division of world history into broad chronological periods forms the organizing principle for dealing with change and continuity from the earliest civilizations of the present. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study. A significant portion of the content dealing with the 20th and 21st century is accompanied by video footage, which brings the content alive for students. An interactive timeline helps the student better understand the chronology of the vast history of civilizations.

Electives

Accounting

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

The Bureau of Labor Statistics identifies accounting as one of the best careers for job growth in the next decade. This course empowers high school students with the essential skills they need to understand accounting basics. Lessons include Account Types (assets, liabilities, expenses, etc.), Fundamentals of Bookkeeping, Financial Statements, and Careers in Accounting. Engaging and relevant, this course particularly helps both those students with an accounting career orientation, and those in need of an overview of essential accounting principles.

Anthropology 1: Uncovering Human Mysteries

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Anthropology uses a broad approach to give students an understanding of our past, present, and future, and also addresses the problems humans face in biological, social, and cultural life. This course explores the evolution, similarity, and diversity of humankind through time. It looks at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys are just one of the powerful learning tools utilized in this course.

Applied Medical Terminology

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Built on the same sound pedagogy and proven course design methodologies as all of our courses, Medical Terminology helps students understand the structure and meaning of medical terms and identify medical terminology associated with various body systems. As the health care industry becomes more and more complex, developing expertise in accurately and efficiently identifying medical terms and their specific application is essential to a growing variety of health care careers. This course begins to prepare your students for those careers.

Art in World Culture

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Who is the greatest artist of all time? Is it Leonardo daVinci? Claude Monet? Michelangelo? Pablo Picasso? Is the greatest artist of all time someone whose name has been lost to history? You will learn about some of the greatest artists while also creating art of your own, including digital art. We will explore the basic principles and elements of art, learn how to critique art, and examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.

Audio Video Production I

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

This course is designed to enable all students at the high school level to learn the basics of audio video production. The course will help the students develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities. The course is based on Career and Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the audio video production industry.

Audio Video Production II

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Electives

Prerequisites: Audio Video Production I

This course is designed to enable students at high school level to develop the knowledge and skills related to audio video techniques that they can use in their careers. This course discusses the elements of audio video production, preproduction activities, media production techniques, and postproduction activities. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the audio video production industry.

Audio Video Production III

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Electives

Prerequisites: Audio Video Production II

This course is designed to enable all students at the high school level to students understand the basic concepts in audio video manufacturing. Students will learn about preproduction techniques, advanced production techniques, advanced post-production techniques, mastering production techniques, special effects and animation, careers, and audio video production laws. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in audio video production.

Business Information Management

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

This course is designed to enable students at high school level to develop information management skills that they can use during in their careers in business organizations. This course discusses career opportunities available in Business Information Management, computing technology for business, connecting through the internet, working with documents, working with spreadsheets, working with a presentation program, working with databases, web page design, and project management. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the business information management industry.

Careers in Criminal Justice

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

The criminal justice system offers a wide range of career opportunities. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system.

Certified Nurse Aid

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

The course is designed to enable students to learn the key skills and information that they need to work as certified nurse aides. The course will help students develop an understanding of the human body, physical and nutritional needs, mental health needs and teach them to provide culturally competent and quality care to clients in a safe and healthy environment. The course is based on the NNAAP Exam syllabus and is designed to prepare students to take the exam and become certified nurse aides. The course has animations and videos that demonstrate key skills that students must acquire to work as nurse aides. The practice test at the end of the course gives students practice on the written exam that they'll need to give to become certified nurse aides.

Cosmetology: Cutting Edge Styles

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Interested in a career in cosmetology? This course provides an introduction to the basics of cosmetology. Students will explore career options in the field of cosmetology, learn about the common equipment and technologies used by cosmetologists, and examine the skills and characteristics that make someone a good cosmetologist. Students will also learn more about some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology related businesses.

Criminology: Inside the Criminal Mind

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Crime and deviant behavior rank at or near the top of many people's concerns. This course looks at possible explanations for crime from the standpoint of psychological, biological and sociological perspectives, explore the categories and social consequences of crime, and investigate how the criminal justice system handles not only criminals, but also their crimes. Why do some individuals commit crimes and others do not? What aspects in our culture and society promote crime and deviance? Why are different punishments given for the same crime? What factors shape the criminal case process?

Digital Photography I: Creating Images with Impact

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Digital Photography I focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students use basic techniques of composition and camera functions to build a personal portfolio of images, capturing people, landscapes, close-ups, and action photographs.

Digital Photography II: Discovering Your Creative Potential

Course Length: One Semester

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Electives

Prerequisites: Digital Photography I: Creating Images with Impact

In this course, we examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas in which professional photographers may choose to specialize, such as wedding photography and product photography. Students also learn about some of the most respected professional photographers in history and how to critique photographs in order to better understand what creates an eye-catching photograph.

Entrepreneurship

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

This course is based on Career Technical Education (CTE) standards designed to help students understand the roles and attributes of an entrepreneur, marketing and its components, selling process, and operations management. This course discusses entrepreneurship and the economy, marketing fundamentals, managing customers, production and operations management, money, and business law and taxation.

Fashion and Interior Design

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Do you have a flair for fashion? Are you constantly redecorating your room? If so, the design industry might just be for you! In this course, you'll explore what it is like to work in the industry by exploring career possibilities and the background that you need to pursue them. Get ready to try your hand at designing as you learn the basics of color and design then test your skills through hands-on projects. In addition, you'll develop the essential communication skills that build success in any business. By the end of the course, you'll be well on your way to developing the portfolio you need to get your stylishly clad foot in the door of this exciting field.

Forensic Science I: Secrets of the Dead

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

In this unit, students are introduced to forensic science. We discuss what forensic science consists of and how the field developed through history. Topics covered include some of the responsibilities of forensic scientists and about some of the specialty areas that forensic scientists may work in. Objective and critical thinking questions are combined with lab activities to introduce students to analyzing the crime scene, a wide variety of physical evidence such as firearm and explosion evidence, and DNA evidence.

Introduction to Agriscience

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Agriculture has played an important role in the lives of humans for thousands of years. It has fed us and given us materials that have helped us survive. Today, scientists and practitioners are working to improve and better understand agriculture and how it can be used to continue to sustain human life. In this course, students learn about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

Introduction to Manufacturing: Product Design and Innovation

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Think about the last time you visited your favorite store. Now picture the infinite number of products you see. Have you ever wondered how all those things actually made it to the shelves? Whether video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In Introduction to Manufacturing: Product Design and Innovation, you will learn about the different types of manufacturing systems used to create the everyday products we depend on. Discover the various career opportunities in the manufacturing industry, including those for 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 was little more than mundane assembly lines, this course will show you just how exciting, creative, and practical this industry can be.

Introduction to Nursing 1

Course Length: One Semester

Grade Levels: 12, 11

Credits: 0.5

Department: Miscellaneous

Prerequisites: None

This semester course introduces students to the field of nursing. Students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention.

Introduction to Visual Arts

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

This course is designed to enable all students at the high school level to familiarize themselves with different types of visual arts. The students will explore units in: Creativity and Expression in Art, Elements of Art, History of Art, Cultural Heritage of Art, Drawing, Printing, Painting, Graphic Design and Illustration, and Multimedia.

Law and Order: Introduction to Legal Studies

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society.

Mythology and Folklore

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Introduction to Mythology and Folklore is a one-semester course with 15 lessons that discuss myths, legends, and folklore from around the world. This course covers subjects such as Mythology, Legend, Folklore, Gods and the Goddesses, natural events, and wonders of the world.

Peer Counseling

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Helping people achieve their goals is one of the most rewarding of human experiences. Peer counselors help individuals reach their goals by offering them support, encouragement, and resource information. This course explains the role of a peer counselor, teaches the observation, listening, and emphatic communication skills that counselors need, and provides basic training in conflict resolution, and group leadership. Not only will this course prepare you for working as a peer counselor, but the skills taught will enhance your ability to communicate effectively in your personal and work relationships.

Principles of Agriculture, Food and Natural Resources

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Throughout this course, your students will learn about various career options in the agriculture, food, and natural resources industries. They will learn about technology, safety, and regulatory issues in agricultural science. They will also learn about some topics related to agriculture, such as international agriculture and world trade, sustainability, environmental management, research, development, and future trends in the industry. The course helps students navigate the rising demand for sustainable food sources while also meeting the challenge of producing higher yields to feed a growing world.

Principles of Business, Marketing and Finance

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

This course has a broad application for almost every career path that your students might choose. This course supplies both essential career skills and life skills. Designed for early high school students, the course offers you the flexibility to customize it to the unique needs of your program and your students. Interactive games and other engaging online and offline activities make practical real-life application of essential business principles understandable useful in the daily lives of your students and in the careers that they choose.

Principles of Education and Training

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

This course is designed to enable all students at the high school level to learn the basics of education and training. Students will learn about the various trends and factors that influence the education industry. This course introduces various career opportunities in the field of education. The units in this course include personal and professional skills needed in various education careers, child growth and development, child health, delivering instruction, and technology in education. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the education industry.

Principles of Engineering and Technology

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

This easy-to-manage course provides students with essential STEM knowledge and an effective overview of STEM careers. The course's 15 lessons are interspersed with activities and online discussions that engage learners and promote understanding and achievement. Topics covered include biotechnology, mechanics, and fluid and thermal systems. The concluding lesson provides a valuable overview of the overall engineering design process.

Principles of Government and Public Administration

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

This course is designed to enable all students at the high school level to learn the basics of government and public administration. Students explore career opportunities in the field of government and public administration. They also learn about the career-related skills, such as job acquisition skills, reading and writing, and mathematics they need to possess as professionals in this field. They learn about the safe and healthy working conditions necessary in the field of government and public administration. This course covers topics such as: the influence of geography and technology, and networking and communication as they relate to government and public administration. The course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in government and public administration industry.

Principles of Hospitality and Tourism

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

The hospitality and tourism industry offers a dynamic career path that will pique the interest of many of your students. This course emphasizes learning the practical aspects of the industry and the development of critical-thinking skills that lead to real-world solutions. This 14-lesson course will introduce your students to an exciting industry and will help them evaluate and prepare for a career in this growing and exciting industry.

Principles of Human Services

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

This course is designed to enable all students at the high school level to develop the critical skills and knowledge necessary in the human services industry. Students will learn about various personal characteristics that they need to demonstrate in the workplace, such as integrity, and positive work ethics. This course covers topics such as employability skills, counseling and mental health services, and consumer services. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in the human services field.

Principles of Law, Public Safety, Corrections and Security

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

For many reasons, high school students are drawn to learning about the careers addressed in this course. This course includes 15 lessons that help students learn about careers that make a powerful impact in all of our lives. From criminal law to every phase of the trial process, the course moves on to include lessons on the correctional system and the implications of legal ethics and the constitution.

Principles of Manufacturing

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Principles of Manufacturing is a course comprising of 15 lessons to help your students understand various manufacturing processes, concepts, and systems, and to introduce them to the various career paths available to them in manufacturing. This course emphasizes STEM principles while also covering practical aspects of manufacturing such as marketing and regulatory issues, as well as issues related to launching and managing a manufacturing business.

Principles of Transportation, Distribution and Logistics

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

In an increasingly interconnected world, this course will introduce your students to an industry that delivers what people want, when and how they want it. The TDL industry is essential to creating global economic growth through increasingly more efficient delivery of goods and services. This course will help to develop both the quantitative and qualitative skills and knowledge required for students to prepare themselves for a successful TDL career. The course addresses the relevant logistical and geopolitical issues that impact global trade.

Professional Photography

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

Few recent technical innovations have changed an industry as fundamentally as digital photography has changed everything about the way we capture our lives in the way we take, edit, store, and share pictures. Digital Photography provides you with the flexibility to not only use it as an independent individual course or as a group or class course, but to also easily customize the course to the unique needs of your situation. The course combines 15 lessons with online discussions that promote the development of critical thinking skills as your students explore digital photography as an enriching activity or a career.

Public Speaking

Course Length: One Semester

Grade Levels: 12, 11, 10, 9

Credits: 0.5

Department: Electives

Prerequisites: None

The art of public speaking is one which underpins the very foundations of Western society. This course examines those foundations in both Aristotle and Cicero's views of rhetoric, and then traces those foundations into the modern world. Students will learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, build a strong argument, and speak with confidence and flair. By the end of this course, students will know exactly what makes a truly successful speech and will be able to put that knowledge to practical use.

Miscellaneous

*Cooperative Education

Course Length: Full Year

Grade Levels: 12, 11, 10 with special permission

Credits: 1.0

Department: Business and Career Technology

Prerequisites: C or higher in core courses

This full year is an elective program open to juniors and seniors. Co-op provides goal-oriented occupational education to students electing this program through on-the-job training. Successfully completing the Cooperative Work Experience will provide the student with a better understanding of the world of work as well as occupational training. Goals of the course will include:

- Enhancing the co-op student's educational experience with real-world career related work experience.
- Allow the co-op student to explore, through on-the-job experience, the career options related to their academic work, and to verify their career choice.
- Increase the co-op student's maturity level by exposure to the profession work environment.
- Establish credentials for the co-op student to enhance their opportunities after graduation for employment or admission to college.

*Dual Enrollment

Course Length: Full Year

Grade Levels: 12, 11

Credits: 1.0

Department: Miscellaneous

Prerequisites: C or higher in core courses

Dual Enrollment provides students with the opportunity to attend a local college or university in order to complete college level work while still enrolled in high school. The following courses may be available: English, Psychology, Sociology, Philosophy, Math, including upper-level courses such as Trigonometry, and Calculus, Science, and History.

SAT Prep

Course Length: Full Year

Grade Levels: 12, 11, 10

Credits: 0.5

Department: Miscellaneous

Prerequisites: None

This full year course prepares for the SAT asynchronously using study.com video and quiz resources. This course will range in reading, writing, math and test taking skills necessary to prepare students for the SAT test. Completion of this course will require a little over one video lesson and a quiz for each school day.

***Study Skills**

Course Length: One Semester or Full Year

Grade Levels: 12, 11, 10, 9

Credits: 0.5 or 1.0

Department: Miscellaneous

Prerequisites: None

To support students who are included for academic subject areas. This course will emphasize support in the included area through individualized instruction, study, and organizational skills along with other specially designed instructional strategies.

SusQ-Cyber Charter School Directory

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Notes

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