CATHOLIC VIRTUAL

K-12 Summer School 2020 Course Descriptions

May 2020

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*Course requires the purchase of physical materials.

Summer 2020 Course Descriptions

HIGH SCHOOL ENGLISH

Language Arts 9 (1.0 credit) and Honors Language Arts 9 (1.0 credit)*

Semester A - English for grade 9 is an integrated curriculum. Each unit contains thematically related lessons in five domains: reading and the study of literature, reading informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Topics are presented in ways that help young adolescents relate literacy skills to other aspects of their lives. Writing assignments include narrative, expository, and persuasive/argumentative modes and emphasize the use of and details and reasoning to support ideas. Speaking and listening lessons in Semester A emphasize collaborative discussion skills and peer review. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

Semester B - Like semester A, semester B consists of integrated units focused on a theme or mode of study. Literature study in semester B focuses on the analysis of different forms of literature and on comparative studies of world literature and literature delivered in different media. Writing and informational text lessons guide students through the stages of research and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

Required Materials:

- Required Novels (choose one per semester):
  - *Romeo and Juliet* by William Shakespeare (Semester A) – Project Gutenberg
  - *To Kill a Mockingbird* by Harper Lee (Semester B): ISBN-10: 0060935464; ISBN-13: 978-0060935467
- Optional Novels (Choose 1 per Semester)
  - *The Old Man and the Sea* by Ernest Hemingway: ISBN-10: 0684801221; ISBN-13: 978-0684801223
  - *House on Mango Street* by Sandra Cisneros: ISBN-10: 9780679734772; ISBN-13: 978-0679734772
  - *Fahrenheit* 451 by Ray Bradbury: ISBN-10: 9781451673319; ISBN-13: 978-1451673319
  - *The Odyssey* by Homer – Project Gutenberg
  - *Ender's Game* by Orson Scott Card ISBN-10: 0812550706; ISBN-13: 978-0812550702
  - *Speak of Mice and Men* by John Steinbeck: ISBN-10: 0140177396; ISBN-13: 978-0140177398

Language Arts 10 (1.0 credit) and Honors Language Arts 10 (1.0 credit)*

Semester A - English for grade 10 is an integrated curriculum, with each unit consisting of thematically related lessons in five domains: analyzing literature, analyzing informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. The skills that students practice for this course are similar to the skills in English 9 but require more independence and depth of thought. An introductory lesson at the start of each unit helps students identify any areas of weakness and review those topics before starting the more challenging grade 10 lessons. Writing assignments required in Semester A of this course include fiction, expository, and persuasive, and analytical modeses, emphasizing the use of details, evidence, and reasoning to support ideas. Speaking and listening lessons in Semester A cover collaborative discussion skills, the peer review process, and how to plan and deliver informative speeches and presentations. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

Semester B - Like semester A, semester B consists of integrated units focused on a theme or mode of study. Literature study in semester B focuses on the analysis of different forms of literature and as well as the evaluation of various modes and forms of writing. Writing and informational text lessons guide students through the stages of a rigorous research process

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and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

Prerequisites: Language Arts 9

Required Materials:

- Required Novels:
  - *Animal Farm* by George Orwell (Semester A): ISBN-10: 9780451526342
  - *Night* by Elie Wiesel (Semester B): ISBN-10: 9780374500016; ISBN-13: 978-0374500016
- Optional Novels (Choose 1 per Semester):
  - *The Catcher in the Rye* by J. D. Salinger: ISBN-10: 9780316769174; ISBN-13; 978-0316769174
  - *The Bean Trees* by Barbara Kingsolver: by ISBN-10: 0062277758; ISBN-13; 978-0062277756
  - *All Quiet on the Western Front* by Erich Maria Remarque: ISBN-10: 1906230668; ISBN-13: 978-1906230661
  - *Lord of the Flies* by *William Golding; ISBN-10: 0399501487; ISBN-13: 978-0399501487*
  - *Twelfth Night* by William Shakespeare – Project Gutenberg
  - *Farewell to Manzanar* by Jeanne Wakatsuki Houston: ISBN-10: 1328742113; ISBN-13: 978-1328742117
  - *Antigone* by Sophocles – Project Gutenberg

Language Arts 11 (1.0 credit) and Honors Language Arts 10 (1.0 credit)*

Semester A - English for grade 11 is an American Literature course, with units organized chronologically according to periods in literary history. As students read foundation works of literature and other historical documents written between 1600 and 1900, they'll review and extend skills in five domains: analyzing literature, analyzing informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Each module or unit begins with a lesson that provides historical context for the era and introduces themes that emerged in the literature of that era. Each lesson provides students with an opportunity to review basic analysis skills before applying those skills to works of literature or key historical documents. Lessons focused on more difficult historical documents include activities that help students comprehend the complex ideas in these works. Writing modes addressed in Semester A of this course include narrative, reflective, persuasive, and analytical modes. Assignments emphasize the use of details, evidence, and reasoning to support ideas; writing lessons include model essays that demonstrate key features of each mode. The speaking and listening lessons in Semester A cover rhetoric, the peer review or writing workshop process, and performance skills. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit. Semester B - Semester B of English 11 consists of units focused on historical eras and literary movements of the 20th and 21st century, such as Naturalism, Imagism, the Harlem Renaissance, and Post-Modernism. Literature analysis lessons in semester B focus on the forms of literature that were most commonly written during the Twentieth Century and how the forms, styles, and techniques of that century inform literature written today. Students will also evaluate various modes and forms of language expression, including single media and multimedia messages. Writing and informational text lessons guide students through the stages of a rigorous research process and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

Prerequisites: Language Arts 9, Language Arts 10

Required Materials:

- Required Novels:
  - *The Scarlet Letter* by Nathaniel Hawthorne (Semester A) – Project Gutenberg
  - *The Great Gatsby* by F. Scott Fitzgerald (Semester B): ISBN-10: 9780743273565; ISBN-13: 978-0743273565
- Optional Novels (Choose 1 per Semester):

*Course requires the purchase of physical materials.

- *Death of a Salesman* by Authur Miller: ISBN-10: 9780140481341; ISBN-13: 978-0140481341
- *A Farewell to Arms* by Ernest Hemingway: ISBN-10: 1476764522; ISBN-13: 978-1476764528
- *My Antonia* by Willa Cather – Project Gutenberg
- *A Lesson Before Dying* by Ernest Gaines: ISBN-10: 9780375702709; ISBN-13: 978-0375702709
- *Black Boy* by Richard Wright: ISBN-10: 0061130249; ISBN-13: 978-0061130243
- *Adventures of Huckleberry Finn* by Mark Twain – Project Gutenberg

Language Arts 12 (1.0 credit) and Honors English IV (1.0 credit): British Literature*

Semester A - Students examine major works of literature organized into thematic units. Each unit contains poetry, short stories, and a novel that revolve around the theme for the unit. Themes include the self, relationships, alienation, choice, and death. As students read these works, they have the opportunity to reflect on these important themes by writing in multiple modes and creating cross-disciplinary projects.

Semester B - "*There is nothing either good or bad, but thinking makes it so*" – Shakespeare. Welcome to the contemporary world literature course. In this course you will experience the novels, short stories, poetry, and non-fiction from countries around the world. You will discover that the writers in this course have ideas and lives as interesting as their work. You will discover many writers have unique writing styles, unique ideas, unique lives, and unique approaches to their art. You will also have the chance to do some unique work of your own. By reading contemporary work and some work of the 20th century you will also discover that "no matter what a writer's origins, certain themes and events have been hard to run away from in the 20th and early 21st centuries." As you read, it is my hope that you will come to an understanding that, "…reading literature from around the world is unlikely to teach you everything there is to know about a culture. But it may help…" Along this journey you will use technology, writing, reflection, vocabulary, research, and other academic and personal skills to help you learn to enter the world of your community, your country, and your world. As the poet Gwendolyn Brooks said, "I believe that we should all know each other, we human carriers of so many pleasurable differences. To not know is to doubt, to shrink from, sidestep or destroy." So begin your own journey through the world, and do this by reading, writing about what you read, and experiencing the work of writers.

Prerequisites: Language Arts 9**,** Language Arts 10**,** Language Arts 11

Required Materials:

In this course, you are required to read two novels from the You-Choose list in addition to the works that are listed as required reading below. After selecting the novels you will read as your choices, download the appropriate novel guides using the links below.

- *Jane Eyre* by Charlotte Bronte (Semester A) – Project Gutenberg
- *The Grapes of Wrath* by John Steinbeck (Semester B): ISBN-10: 0143039431; ISBN-13: 978-0143039433
- *The Alchemist* by Paulo Coehlo (Semester B): ISBN-10: 0062315005; ISBN-13: 978-0062315007
- *The Metamorphosis* by Franz Kafka (Semester B) – Project Gutenberg
- *Hamlet* by William Shakespeare (Semester B) – Project Gutenberg

You-Choose Novels:

- *1984* by George Orwell: ISBN-10: 9780451524935; ISBN-13: 978-0451524935
- *Wuthering Heights* by Emily Bronte: ISBN-10: 0141439556; ISBN-13: 978-0141439556
- *Brave New World* by Aldous Huxley: ISBN-10: 0060850523; ISBN-13: 978-0060850524
- *Othello* by Julius Lester: ISBN-10: 9780590419673; ISBN-13: 978-0590419673 – Project Gutenberg
- *One Hundred Years of Solitude* by Gabriel Garcia Marquez: ISBN-10: 9780060883287; ISBN-13: 978-0060883287
- *A Tale of Two Cities* by Charles Dickens – Project Gutenberg
- *Cry, the Beloved Country* by Alan Paton: ISBN-10: 0743262174; ISBN-13: 978-0743262170
- *Frankenstein* by Mary Shelley – Project Gutenberg

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HIGH SCHOOL MATH

Algebra I (1.0 credit) and Honors Algebra I (1.0 credit)

Semester A - introduces students to the world of Algebra through expressions and equations. Students will evaluate algebraic expressions, solve linear equations and graph them. This course also steers students through various real-world scenarios with the emphasis on using basic statistics to interpret the information given and found. Students learn through online lesson materials, videos and interactive activities. The end of each unit tests students' understanding with a self-check quiz with feedback. Also included is a unit exam and project for students to apply what they have learned. Teacher feedback is provided throughout the semester.

Semester B - Builds on the concepts learned in the first semester by providing a strong foundation in solving problems. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations, data analysis and probability. Students will interact with course materials through online lessons, videos, interactive questions and real-world applications. Each unit ends with a self-check quiz to confirm knowledge of the concepts learned. There is also a unit exam and project. Teacher feedback is given throughout the course.

Algebra II (1.0 credit) and Honors Algebra II (1.0 credit)

Semester A - further extends the learner's understanding of major algebra concepts such as expressions, equations, functions, and inequalities. An emphasis will be placed on the use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

Semester B - builds on the concepts learned in the first semester and prepares the learners with the building blocks needed to dive deeper into trigonometry, pre-calculus and advanced probability and statistics.

Prerequisites: Algebra 1

Pre-Calculus (1.0 credit)

Semester A - In this course, students will understand and apply concepts, graphs and applications of a variety of families of functions, including polynomial, exponential, logarithmic, logistic and trigonometric. An emphasis will be placed on use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. A scientific and/or graphics calculator is recommended for work on assignments, and on examinations.

Semester B - Covers the major units of Introductory Trigonometry and Graphs, Trigonometric Equations and Identities, Analytical Trigonometry, Sequences and Series, Conic Sections and an Introduction to Calculus. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

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Geometry (1.0 credit) and Honors Geometry (1.0 credit)

Semester A - Geometry is the study of the measurement of the world. What makes Geometry so engaging is the relationship of figures and measures to each other, and how these relationships can predict results in the world around us. Through practical applications, the student sees how geometric reasoning provides insight into everyday life. The course begins with the tools needed in Geometry. From these foundations, the student explores the measure of line segments, angles, and two-dimensional figures. Students will learn about similarity, triangles and trigonometric ratios. Geometry A consists of six modules. Each module comprises ten lessons for a total of 60 lessons in the course.

Semester B - This course builds on the foundation of the first terms in Geometry. As in previous courses, deductive and inductive reasoning are emphasized, while applying problem-solving techniques to real-world problems. Students explore quadrilaterals and circles, and learn how an object is transformed, as well as how to represent that transformation algebraically and geometrically. Students calculate area and volume of 2-dimensional and 3-dimensional objects. Geometry B consists of six modules. Each module comprises ten lessons for a total of 60 lessons in the course.

Prerequisite: Algebra 1

HIGH SCHOOL SCIENCE

Biology (1.0 credit) and Honors Biology (1.0 credit)

Semester A - Introduces students to the scientific method and the major concepts of biology from an historical and practical viewpoint. The three major themes of this course are the cell, the molecular basis of heredity, and the interdependence of organisms. Students who take this class will have a deeper appreciation for the complexities of living organisms. Life on this planet, unlike anywhere else in the observable universe, is complex and highly organized. Whether examining life on the molecular or the planetary level, it exhibits a highly organized structure that inspires awe by its genius and complexity. In the last 50 years, discoveries have launched new branches of biology that have transformed the daily routine, from conception to death. New challenges await, such as the current crisis in ecology, global warming, and the resurgence in viral disease. To make rational choices in the 21st century, the citizen must have a basic understanding of biological concepts and the reasoning behind them. Biology A is presented in a multimedia format using interactive modules, labs, narrated animation, text, and videos to present the study of life on this planet. Students work through and complete several self-check activities and quizzes for practice, and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project. Teacher feedback is provided throughout the course.

Semester B - Is a continuation of the basic course in biology, Biology A. The major concepts covered are population dynamics and evolution. Students explore population dynamics through the study of mutualism, predation, parasitism, and competition. The theory of evolution is presented, along with the many evidences and details that make evolution the backbone of modern biology. From biochemistry to evolution, biology fascinates people. Biochemists first astounded the world by showing that life obeys the same chemical principles as all creation, but that life engineers chemistry to its own needs. Decades later, Darwin shocked the world by suggesting that life evolves according to the conditions of the environment it inhabits. Evolution, often debated and derided, has survived to become a key concept of biology. This second course in biology examines the wonder of life and its mechanisms. Students work through and complete several self-check activities and quizzes for practice, and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project. Teacher feedback is provided throughout the course.

Prerequisites: Algebra 1

*Course requires the purchase of physical materials.

Biology Creationism (1.0 credit)

In this class, students will study the cell, the molecular basis of heredity, biological creation, interdependence of organisms, matter and energy, and organization in living systems and the behavior of organisms. We will explore the nature of science, discuss the ideas behind both creationism (intelligent design) and evolutionary science, survey some of the evidence for evolution and natural selection, and learn about the societal conflict between modern creationism and evolution (both in the courtroom and in the classroom). We will explore these themes through readings, discussions/debates, and multimedia (including music, film, and internet sources).

Chemistry (1.0 credit) and Honors Chemistry (1.0 credit)

Semester A - In this course, students will discover what chemistry is, and how it is used and found all around us. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: types of matter, atomic structure, chemical periodicity, chemical formula writing and naming, chemical equations. This course will also stress the important relationship between math and science while studying measurement, metric system and stoichiometry. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

Semester B - It follows the Chemistry 1 A course. In Chemistry 1 B, students will investigate chemical bonding, thermochemistry, and acids and bases. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: organic chemistry, biochemistry, and nuclear chemistry. This course will also stress the important relationship between math and science. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

Prerequisites: Algebra 1

Physics (1.0 credit) and Honors Physics (1.0 credit)

Semester A - Students begin their exploration of physics by reviewing the International System of Units (SI), scientific notation, and significant digits. They then learn to describe and analyze motion in one and two dimensions. Students learn about gravity and Newton's laws of motion before concluding the course with an examination of circular motion. Students apply mathematical concepts such as graphing and trigonometry in order to solve physics problems. Throughout the course, students apply their understanding of physics by playing roles like science museum curator and elementary teacher.

Semester B - Physics B continues the student's exploration of mechanics while also guiding them through some other important topics of physics. Students begin by exploring simple harmonic motion, wave properties, and optics. Students then learn the basics of thermodynamics and fluids. Afterwards, the students explore the principles of electricity and magnetism. Finally, students explore the area of physics known as Modern Physics, which includes topics such as the photoelectric effect, nuclear science, and relativity. This is a trig based course. It is assumed you know and can use trigonometry.

Prerequisites: Algebra 2

*Course requires the purchase of physical materials.

HIGH SCHOOL SOCIAL STUDIES

Economics (0.5 credit) and Honors Economics (0.5 credit)

This course introduces the principles and the applications of economics in everyday life. Students develop an understanding of limited resources, and compare it with unlimited wants and needs. Students learn how individual and national economic decisions are made to allocate goods and services among competing users. Students apply economic principles to think and problem solve. The study of Economics uses the view of economic institutions and policies to explore the history, organization, and functions of the U.S. government in controlling our economy. It offers students learning opportunities that build one on another. A goal of the course is for the student to develop the critical skills of analysis, synthesis, and evaluation in a demanding and thoughtful academic setting. Students are encouraged to use their knowledge of the policies and institutions of economics to develop their own views on current economic and monetary issues. They are taught how to apply what they have learned into personal financial activities. The course looks closely at the economic knowledge and values of the country and gives students a look into the problems faced by presidents, and congressional representatives. It also covers the roles of political activists, political parties, interest groups, and the media in shaping the U. S. economy. The Supreme Court is presented as the voice of reason in the balance of powers. Students are encouraged to perform at higher levels as they are presented with historical documents and additional readings, work with a set of facts arranged by theme, become skillful in note-taking, and join in student discussions. Students develop and demonstrate their writing skills by preparing extended research-based papers.

American Government (0.5 credit) and Honors American Government (0.5 credit)

This course will guide students through an in-depth study of the history, structure, and guiding principles of American government. The first unit will review the origins of government in general and American government in particular—from the earliest models for democracy to the founding documents that created a federalist system of government in the U.S. Several units will help students explore the roles and responsibilities of each branch of government as well as the impact that the Constitution has had and continues to have on the way government works and on the lives of individual Americans. The course's final unit will guide students through a series of projects that require them to apply what they have learned about American government to an issue that interests them.

American History (1.0 credit) and Honors American History (1.0 credit)

Semester A - Creation of a Nation. This course covers the discovery, development, and growth of the United States. Major topics include; American Indian cultures, European colonization of the Americas, and the causes and effects of the American Revolution. Geographical, economic, and political factors are explores as the key factors in the growth of the United States of America. American History I is a survey of the struggle to build the United States of America from the colonial period to the beginning of the twentieth century. By means of reading, analyzing, and applying historical data, students come to appreciate the forces that shaped our history and character as an American people. Not only are the topics of American history discussed, but students also explore research methods and determine accurate sources of data from the past. Knowing the facts and dates of history are just the beginning: each student must understand how history affects him or her. Semester B - Expansion of a Nation. American History B begins with a study of American life before the 1929 Stock Market crash and how the Roaring Twenties influenced society in the late 19th through early 20th centuries. Students will examine the causes and consequences of the Great Depression and move on into a detailed study of World War II with an emphasis on America's role in the conflict. The course continues with an analysis of the Cold War struggle and America's rise as a superpower. The Civil Rights and Women's rights movements, pollution and the environment, and American domestic and foreign policy will be examined. The course wraps up with a summary of current events and issues, including a study of the Middle East. This course begins with an assessment of life in United States pre-World War I and ends with the conflicts of the new millennium. Students look at the nation in terms of economic, social, and political trends. The experiences of the

*Course requires the purchase of physical materials.

last century are summarized, including a look into the civil rights issues that have embroiled the nation in conflict. The development of the United States of America into a superpower is explored within a global context.
Prerequisites: World History

World History (1.0 credit) and Honors World History (1.0 credit)

Semester A - World History begins with a focus on the skills needed to read, understand, and analyze history, also demonstrating how historians and social scientists arrive at their conclusions about human history. Semester A covers the history of civilization from hunter-gatherer societies through the characteristics of the earliest civilizations to the Enlightenment period in Western Europe. The second half of Semester A explores early intellectual, spiritual, and political movements and their impact on interactions among world cultures.
Semester B - Semester B applies the reading and analytical strategies introduced in Semester A to the events and movements that created the modern world. In the second semester, World History emphasizes the effects of the Industrial Revolution and changing attitudes about science and religion as well as the impact of European colonization. Students are encouraged to make connections between World War I and II and events related to the Cold War and between 19th-century imperialism and modern independence movements.

HIGH SCHOOL ELECTIVES

Accounting (0.5 credit)

In this semester course, students will explore accounting, including investigating accounting careers. Students will learn basic accounting skills and procedures both with and without a computer for general journals, general ledgers, cash payments journals, cash receipts journals, sales journals, accounts payable ledgers, and accounts receivable ledgers. Students will also learn how to reconcile a bank statement and to prepare payroll records. This course covers the basic principles of financial accounting for individuals and for companies with attention to both the mathematical formulas and to the ethical side of accounting. Each unit has practical exercises including a project at the end.

Adobe Illustrator Certification Course (0.5 credit)

This course introduces students to the Adobe Illustrator and prepares students to take the ACE Certification Exam on Illustrator. Students will get an insight into what it is like working in the graphic design industry. Students will learn everything from absolute basics like navigating Illustrator to performing complex tasks like managing colors, drawing, creating illustrations, and much more. The course contains guided video tutorials, hands-on projects, and step-by-step resources that help students learn how to work in Illustrator.

Adobe InDesign Certification Course (0.5 credit)

This course introduces students to the world of Adobe InDesign and prepares students to take the ACE Certification Exam on InDesign. Students will get an insight into what it is like working in the print and digital media publishing industry. Over 10 modules, students will learn everything from absolute basics like navigating InDesign to performing complex tasks like creating multi-page documents, applying effects, and even creating original artwork. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to work in InDesign.

Adobe Photoshop Certification Course (0.5 credit)

This course prepares students to demonstrate expertise in Adobe's Photoshop software and take the ACE Certification Exam on Photoshop. Students will learn through engaging and interactive content, projects and practice exam items aligned to the learning objectives outlined by Adobe's exam specifications. Students will leave this course with career-ready, real-time skills in one of the most popular software programs in the world!

*Course requires the purchase of physical materials.

Anatomy & Physiology (1.0 credit)

This course covers the basics of human anatomy and physiology including anatomical terminology, basic biochemistry, cells and tissues, and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. This course also introduces common human disease processes and will prepare students to take advanced anatomy and physiology courses.

Art Appreciation (0.5 credit)

Art Appreciation investigates how quality is determined and created by artists, in order to evaluate and appreciate art on a deeper level. Students will be introduced to the elements and principles of art and the importance of artists' context and perspective. The course covers different periods in art history, different techniques in art, and how to research and evaluate art, emphasizing why each contributes to valuing a piece of art and provides the necessary knowledge to do so.

Art History (0.5 Credit)

This Art History course integrates the four components of art study: art production, historical and cultural context, critical process and aesthetic process. Students will be able to identify and describe art from prehistoric times to modern time. Throughout this course, students will discuss various artworks, research artists, and create documents and presentations demonstrating concepts learned.

Art Careers (0.5 credit)*

For every Broadway dancer, every television star, and every pop singer, there are countless people behind the scenes helping to make it happen. Arts Careers introduces students to the skills that are part of many fascinating careers in the arts. Studying the arts creates independent and innovative thinkers and many doors are open to an artist with the proper training.

Required Materials:

- digital camera (camera phone, DSLR and other devices with a camera is acceptable)
- video camera (camera phone, DSLR and other devices with a camera is acceptable)
- video software (iMovie and other video editing software is acceptable)

Augmented and Virtual Reality (0.5 credit)

Recent advances in technology have allowed augmented and virtual reality (AR/VR) systems to become extremely sophisticated and realistic. This course introduces students to the technologies that underpin AR/VR systems. The course walks through five applications of AR/VR and how they will change and impact numerous aspects of our lives and the economy. Students will also learn about and discuss the risks and side effects of these systems on health, privacy, and ethical implications.

Basic Web Design (0.5 credit)*

In this course, students will learn how to design a beautiful and functional website. Students will learn how to take their design and translate it into a live website using Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) programing languages. HTML5 and CSS3 will be the standard versions used in the class. Students will understand design components of websites, including the use of color, layout and when to use different techniques, typography rules, and the importance of imagery. At the conclusion of the course, students will present a website to the class. Upon completion of this course, each student will have hands-on experience creating a fully functioning website. Students do not need to have a previous technical background with HTML or CSS prior to taking this course.

Required Materials:

- HTML Text Editor (choose one):
    - TextEdit – For use on Mac – comes with OS

*Course requires the purchase of physical materials.

    - Notepad – For use on Windows – comes with OS
    - Text – For use on Chromebook – free app download from the Google Store
- image editing software (choose one):
    - Pixlr – https://pixlr.com/editor/ (in-browser)
    - GIMP – http://www.gimp.org/downloads/ (downloadable program)
- webhosting and basic in-browser FTP:
    - Neocities – https://www.neocities.org

Beginning Painting (0.5 credit)*

This course introduces students to classical and contemporary painting, techniques and concepts, with emphasis on the understanding of its formal language and the fundamentals of artistic expression. Painting from still life, landscape, and life models from observation will be geared towards realism; at the same time, various other painting styles could be explored. Color theory, linear perspective, compositional structure, figure/ground relationships, visual perception, spatial concepts, and critical thinking skills will all be emphasized. Students will study and research major painting styles and movements in historical context. The hope is that students will use this global approach to develop a "critical eye" in evaluation of contemporary painting. Acrylic and watercolors are the mediums used in this class. The main emphasis of this course is to encourage and nourish individuality and creativity.

Required Materials:

- chromacryl tube of acrylic paints
- round brush
- flat brush
- watercolor paints (includes brush)
- set of markers
- painting paper (The pad of paper may be labeled watercolor paper. Please use for all paintings, including acrylic.)
- newsprint paper (This paper is for sketches and testing paints. Do not use for painting projects.)
- 1–4b pencil
- 7 project cardstock pages

Business Law (0.5 credit)

In this course, students will learn about the American legal system. They will examine ethics, court systems, criminal law, and torts. They will explore how the court systems work together, and which types of misconduct result in going to court. As they progress through the course, students will also gain an understanding of what is right and wrong in business actions and employment law. Study will focus on the formation of a business and the basic legal issues associated with each type of business.

Career Planning (0.5 credit)

The Career Planning course guides students through the essential elements of the career planning process and the development of a defined career plan. Students will consider the many factors that impact career success and satisfaction. Using a process of investigation, research, and self-discovery, students will acquire the understandings critical to the career planning process. Upon completion of the course, students will have created a practical and comprehensive college or career transition portfolio that reflects their skills and abilities, as well as their interests, values, and goals.

*Course requires the purchase of physical materials.

Character Education (0.5 credit)

This course teaches students practical skills for understanding and managing their emotions, setting goals and getting organized, understanding and getting along with others in our diverse world, and making good decisions. Research shows that people who practice these skills have greater academic achievement as students and experience more success and satisfaction as adults.

Civics (0.5 credit)

In this course students will understand the significance of government, law, and politics. They will examine the United States foundational documents and how they shaped the Unites States government. Students will examine the purposes and functions of federal, state and local government, the justice system, political systems the environment, and the economy. Learners will evaluate their role and civic responsibility to their families, communities, and country including voting and being a productive member of society. Students will get to know leaders and influential people that have championed many causes including civil rights and the environment. Learners will also learn proper ways to interact in society including interpersonal skills and respecting differences in others including disabilities. Learners will follow a step-by-step approach for successfully completing each lesson, which includes textbook reading, interactive activities, supplemental reading, lecture, video clips, and Power Point presentations to enhance and reinforce learning. Learners receive frequent feedback from teacher and peers through discussions. By the end of the course students will have a deep understanding of their civic responsibilities as well as the difference o ne individual can make in society.

College and Career Readiness (0.5 credit)

This course will assist students in learning about a variety of college writing assignments, as well as the most efficient and effective methods to complete them. Each unit focuses on a different type of college writing and techniques.

Computer Basics (0.5 credit)

In this course you will learn how to use productivity and collaboration tools, such as G Suite by Google Cloud to create word processing documents, spreadsheets, surveys and forms such as personal budgets and invitations.

Consumer Math (1.0 credit)

This course focuses on the mathematics involved in making wise consumer decisions. Students explore the many ways in which mathematics affects their daily lives. The first semester will cover paychecks and wages, taxes, insurance, budgets, bank accounts, credit cards, interest calculations, and comparison shopping. Second semester topics include vehicle and home purchasing, investing, and business and employee management.

*Course requires the purchase of physical materials.

Contemporary Novels (0.5 credit)*

For this course, students will read a set of novels and novellas that were written during the twentieth century and reflect themes common to contemporary literature, such as the ability of the human spirit to rise above seemingly-impossible circumstances. Through creative projects and writing assignments, students will identify and analyze each novel's themes and also compare and contrast the novels' treatment of common themes. Please note that, like most contemporary literature, the novels assigned for this course contain realistic situations and language. In addition to the novels listed, each student will read another contemporary novel of his or her choosing that the instructor must approve. MLA (Modern Language Association) documentation is required on all papers submitted.

Required Materials:

- *Picture Bride* by Yoshiko Uchida; ISBN-10: 9780295976167; ISBN-13: 978-0295976167
- *Night* by Elie Weisel; ISBN-10: 9780374500016; ISBN-13: 978-0374500016
- *To Kill a Mockingbird* by Harper Lee; ISBN-10: 0060935464; ISBN-13: 978-0060935467
- *Fallen Angels* by Walter Dean Myers; ISBN-10: 0545055768; ISBN-13: 978-0545055765
- *The Old Man and The Sea* by Ernest Hemingway; ISBN-10: 0684801221; ISBN-13: 978-0684801223
- *Different Seasons* by Stephen King; ISBN-10: 1501143484, ISBN-13: 978-1501143489

Creative Writing (1.0 credit)

At the beginning of the semester, students consider the importance of word play exercises in improving their facility with language while building a compelling and creative writing style. Focusing on word nuances and precision, later lessons guide students to write in a variety of short modes—including poetry, song lyrics, prose poetry, short short stories, and creative nonfiction. There are several opportunities for peer review in this semester, during which students learn best practices for participating in writing workshops, and then revise their work using feedback from their peers. The second semester focuses on longer works of fiction: short stories, plays, and novels. Students learn basic techniques of plot and character development along with strategies for creating suspense and building a theme, and they have opportunities to write in several different genres. Lessons cover a few special topics as well, including graphic novels, animation, comedy, and improvisation. Students apply what they have learned about writing workshops and revising to the longer pieces of writing they create for this semester.

Digital Media (0.5 credit)*

Digital Media is a project-based survey of different forms of digital media, such as digital audio, imaging and illustration, movie editing, and animation. The course is oriented toward teaching broad, flexible tools and concepts that are not tied to any one platform or program. Each module ends with a culminating task (such as a podcast or short film). Students will be able to draft and develop projects as they build their skills over each lesson.

Required Materials: printer, camera, scanner (optional), and one of the following programs: Audacity, GIMP, Inkscape, DaVinci Resolve (free version), Pencil2D, Blender, GDevelop, or Piskel.

Digital Photography (0.5 credit)*

Understanding the tools available in digital photography opens the possibilities to create images with impact. In Digital Photography, students will study the history of photography as well as the basic operation of a digital camera. As they are introduced to different styles of photography and photographers, students will begin to develop artistic skills as well as their own voice through their photographs.

Required Materials: digital camera (tripod, lenses, lights optional), paper, scissors, glue, access to photo manipulation software.

*Course requires the purchase of physical materials.

Drawing (0.5 credit)*

In Basic Drawing, students will experiment with several different art materials and tools to see what each tool can do best. Students will explore ordinary things around them to become more observant of the structures and meanings of things which can be seen in your their home and community. Your work will be your own study of the forms, textures, movements, and patterns of the things that you see every day.

Each project and each lesson is based on the one before it; so always do the lessons in the order they are given. Be sure to follow the directions exactly regarding which materials, sizes, and subject matter to use for each project. Each lesson will be a study of a new way of drawing. The examples given will show only the method and materials to be used, never the same subject or size as the project assigned. The examples are never to be copied. An example will only show one way of using the technique described. By becoming more observant, by experimenting with new materials, and by exploring a variety of methods, students will continue to grow in artistic skill and enjoyment. Beyond fundamental skills are various levels of creativity. Each lesson provides room for expressing the technical skill learned in a unique, creative way.

Required Materials:

- 1 drawing pencil, 2B
- 1 round hair brush #10
- 1 bottle India Ink, black
- 1 Pilot Varsity Pen, self-contained black ink
- 2 conté crayons: white, black
- 1 Art gum eraser
- 1 white, wax Crayola crayon
- 40 sheets white drawing paper, 9×12
- 5 sheets construction paper, 9×12, black
- 15 sheets grey construction paper, 9×12
- 14 large envelopes, 10 x 13
- 2 sheets white watercolor paper (rough, heavy, stiff)
- 2 sheets rice paper 9 1/2 x12 (soft, translucent)
- 25 sheets newsprint, 9×12
- 1 bottle white glue (obtain locally)

Drones – Remote Pilot Certification (0.5 credit)

The field of unmanned aerial vehicles is growing rapidly, as the opportunities to use them for search and rescue, photography, recreation, inspection, and many other applications continue to multiply. This course prepares students to take the Federal Aviation Administration's Part 107 exam, which is essential to becoming a commercial drone pilot. Students will learn critical facts to prepare for the test, including regulations, airspace and requirements, weather, loading and performance, and operations. The course will conclude with a look at the most promising careers in the field of drones.

E-Sports and the History of Video Games (0.5 credit)

In this course, students will learn about the technologies and design principles that have been the foundation of video game technology and development over the last 50 years. Students will examine and discuss the impact of video games on culture and the economy. Students will learn about the current gaming and e-sports landscape, including strategies and techniques of top teams and individuals. This course will also discuss the risks and dangers of video games and understand how to set appropriate time and content parameters. Finally, the course will identify career paths and opportunities for those who are passionate about gaming.

*Course requires the purchase of physical materials.

Earth Science (1.0 credit)*

In this course, students will learn about scientific inquiry, the structure and composition of the universe, and features of the solar system. Students learn the importance of scientific inquiry and how to communicate the results of scientific investigations. Specific topics include the Big Bang theory; the motions of celestial objects; stellar evolution; features of the sun and planets; weather, climate, and earth's water cycle; the atmosphere and clouds; factors that influence local and global climate; the physical structure of the earth and earth's tectonic system; weathering, erosion, and soil formation; the earth as a system; geologic history, including the evolution of Earth's atmosphere, the geologic time scale, and the fossil record; natural resources and the effects of human population on natural resources; how science and technology work together, and the technological design process in earth science applications.

Prerequisite: Pre-Algebra, Physical Science 8

Required Materials:

- uninflated round balloon
- permanent marker
- 50 small candies that have letters on one side of them (like M&Ms or Skittles)
- a small zipper seal plastic bag
- two kitchen mixing bowls
- ice cubes
- water
- a permanent marker
- a block of wood
- a pair of pliers
- a pair of needle-nose tweezers
- a slotted spoon
- a drinking straw
- sunflower seeds in the shell
- colored water
- a long narrow vase
- rice grains
- small block of Styrofoam
- 3 or 4 large marshmallows
- a teaspoon of herbs (any kind will do, like basil or parsley)

Film and Television (0.5 credit)

The culture of cinema and television tells a unique story of history and innovation. Students in Film and Television will be introduced to industry icons and stars of the big and small screen. By studying and writing about film and television, students will analyze trends in technology and culture and better understand how to be an informed viewer.

Financial Literacy (0.5 credit)

This course is designed to help students budget, keep a checkbook and filing system, deal with debt and credit, and become wiser consumers. Students will learn how money and the dynamics surrounding it affect their relationships, their lifestyles, and their retirement.

*Course requires the purchase of physical materials.

First Aid (0.5 credit)

In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness.

Flying Cars and the Future of Transportation (0.5 credit)

This course introduces students to new and cutting-edge, futuristic transportation technologies. Students will gain familiarity with the history of transportation development and understand a framework with which to evaluate new transportation modes. Students will examine 10 different technologies on the horizon, , the pros and cons of each mode, and explore potential career paths in these emerging fields.

French I (1.0 credit)

French I is designed to focus on successful communication through speaking, writing, reading, and listening, and provides a thorough grounding in aspects of culture. Activities blend different forms of communication and culture to ensure that students meet all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused upon a specific theme.

French II (1.0 credit)

French II is designed to focus on successful communication through speaking, writing, reading, and listening, and provides a thorough grounding in aspects of culture. Activities blend different forms of communication and culture to ensure that students meet all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused upon a specific theme.

Prerequisite: French I

French III (1.0 credit)

In this course, students will deepen their understanding of French by focusing on the three modes of communication: Interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach students how to understand more difficult written and spoken passages, communicate with others through informal speaking and writing interactions, and express their thoughts and opinions in more formal spoken and written contexts. Students will be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; read and analyze important pieces of French literature; and take frequent assessments to monitor progress. The course is conducted almost entirely in French, and is aligned to national standards as set forth by ACTFL (American Council on the Teaching of Foreign Languages).

Prerequisite: French II

Future of Education (0.5 credit)

This course is designed to prepare future educators for the classroom they will inherit! It starts with a history of education and how blended, adaptive, and personalized learning are coming to the forefront in learning. It then explores new and emerging technologies, along with their current and future impact on education. Throughout the course, students will explore a wide range of career possibilities in the education field and evaluate both the promises and pitfalls of technology in education.

*Course requires the purchase of physical materials.

Future of Healthcare Careers (0.5 credit)

This course introduces students to the exciting and varied career opportunities in the health care industry that will be in demand in their future! The course will introduce the roles and tasks, identify education and skills needed, identify responsibilities of roles which support or supervise their role, analyze legal and ethical responsibilities, limitations, and implications for each of these professions.

Future of Home Construction (0.5 credit)

This course introduces students to the evolving industry of construction! In addition to building on standard concepts such as technical skills, project planning, and regulations, students will learn about the variety of career possibilities within construction. They will also explore the entrepreneurial side of construction and discover what it takes to start and run your own business in this field. Finally, the course will look towards the future and analyze trends in green materials, energy efficiency, and technology to determine how these will impact the homes we build and live in.

Future of Space Travel: Facts, Fiction, and Possibilities (0.5 credit)

This course introduces students to the history and near future of space travel. Students will explore the possibilities of moon bases, Mars colonies, and visiting the outer planets in our solar system and their moons. Students will discuss ethical and legal issues around space exploration such as asteroid mining and war in space. The course gives an expansive view of the technologies, science, and theories that may become realities during students' lifetimes.

German I (1.0 credit)

This introductory course teaches basic communication and comprehension in German. It coordinates the study of language with culture through the use of video, audio, and mass media. This course introduces the fundamentals of German conversation and grammar. Students will begin to develop a functional competency in the four primary language areas: Speaking, reading, listening, and writing; and establish a solid grammatical base. In the second semester, students will further develop their skills in pronunciation, grammar, grammar structures, and vocabulary. The different cultures of the German-speaking world are emphasized through readings, videos, and other activities.

German II (1.0 credit)

In this course, students will build on their German grammar and language skills. Students will review basic grammar skills, learn and study stem-changing verb conjugation, and explore cultural themes regarding current events, famous German people, music, and festivals. In the second semester, students will increase their proficiency by forming more complex sentences. Cultural themes are entwined throughout the course.

Prerequisite: German I

Health Careers (0.5 credit)

In this course students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, child care, 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.

*Course requires the purchase of physical materials.

Health (1.0 credit)

Semester A - In this course, students acquire the knowledge and skills they need to lead a healthy life. Semester A focuses on the impact of personal decisions on the student's own health. Students learn how to find, evaluate, and use reliable information related to a variety of health topics. They also study the basic science behind nutrition, exercise, stress, and psychology, and examine how these factors affect a person's overall health. Each lesson in the course guides students in applying what they have learned in the lesson to their own lives and choices—and gives them a chance to discuss the topic with peers and instructors.

Semester B - Semester B focuses on the developmental aspects of being human and healthy. Students learn about some of the more dramatic changes that the human body experiences from birth to death. They explore topics related to aging and sexuality and identify ways to remain healthy and safe throughout life's major events and challenges. As in Semester A, this part of the course emphasizes what students can do to improve or maintain their own health and encourages them to be a positive influence on family and friends. Each lesson helps identify ways that students might use what they have learned in the lesson in their own lives. As in semester A, students discuss lesson topics with peers and/or an instructor.

Individual and Team Sports (0.5 credit)

To improve and maintain optimum health, it is necessary for people of all ages to participate in physical exercise. There is little doubt that, in addition to students in schools, the number of adults participating in sports and recreational activities in the United States has increased in recent years. Physical education is much more than just fitness and exercise. A well-planned program will cause you to think and express your emotions about different situations. In addition, a good program can make a valuable contribution to your education. These experiences will help you develop a sense of wellness. Emphasis in this course is placed on the value of these sports as possible lifetime activities and on creating a clear explanation of the rules and basic principles of a variety of sports. The sports covered in this course are archery, bicycling, golf, skiing, tennis, volleyball, baseball, basketball, football, hockey, and soccer. Information about the playing area and equipment, basic rules, safety considerations, and terminology for each sport are included in the discussions. For the most part, the information presented in each lesson applies to sports programs throughout most sections of the United States.

Integrated Math 1 (1.0 credit)

In Integrated Math 1, students use arithmetic properties of subsets of integers and rational, irrational and real numbers by simplifying expressions, solving linear equations and inequalities, graphing equations, finding the equation of a line, working with monomials and polynomials, and factoring and completing the square. Students use properties of the number system to judge the validity of results, justifying each step of the procedure to prove or disprove statements. Students compute perimeter, circumference, are, volume and surface area of geometric figures. Students also use basic trigonometric functions defined by the angles of a right triangle.

Integrated Math 2 (1.0 credit)

Students in Integrated Math 2 will focus on pulling together and applying the accumulation of learning that they have acquired from their previous math courses. They will apply methods from probability and statistics; expand their repertoire of functions to include polynomial, rational, and radical functions; and expand their study of right triangle trigonometry. In addition, they will bring together all of their experience with functions and geometry to create models and solve contextual problems.

Prerequisite: Integrated Math 1

*Course requires the purchase of physical materials.

Integrated Math 3 (1.0 credit)

Students in Integrated Math 3 will focus on pulling together and applying the accumulation of learning that they have from their previous courses. They will apply methods from probability and statistics. Students will expand their repertoire of functions to include polynomial, rational, and radical functions. They will expand their study of right triangle trigonometry. Students will use all of their experience with functions and geometry to create models and solve contextual problems.
Prerequisite: Integrated Math 2

Introduction to Artificial Intelligence (0.5 credit)

This course teaches what every student should know about Artificial Intelligence. AI is a fast-moving technology with impacts and implications for both our individual lives and society as a whole. In this course, students will get a basic introduction to the building blocks and components of artificial intelligence, learning about concepts like algorithms, machine learning, and neural networks. Students will also explore how AI is already being used, and evaluate problem areas of AI, such as bias. The course also contains a balanced look at AI's impact on existing jobs, as well as its potential to create new and exciting career fields in the future. Students will leave the course with a solid understanding of what AI is, how it works, areas of caution, and what they can do with the technology.

Introduction to Bitcoin and the Future of Money (0.5 credit)

In this course, students will learn about the nascent industry of digital currencies and how they function. Upon completion of this course, students will understand bitcoin, including its history, development, and context within the modern global economy. Students will learn the basic cryptographic principles that underlie bitcoin and gain confidence by demonstrating strong security principles in storing and transacting with bitcoin. Key principles such as mining, wallets, and hashing will be introduced.

Introduction to Blockchain Technology (0.5 credit)

In this course, students will learn about blockchain, distributed ledger technology that allows us to exchange value electronically. Topics include what blockchain is, why it is significant today, its key concepts, and areas where blockchain has the greatest potential. Students will explore how blockchain has the potential to reshape society in a wide range of arenas including reducing diploma fraud; protecting one's own data and identity; giving musicians, artists, and photographers more control over their creations; eliminating voter fraud; and improving health records.

Introduction to Business (0.5 credit)

This course introduces students to basic business concepts that will help them understand how a business survives in today's economy and the role that consumers play in the same economy. Students will learn how to balance a checkbook, save for the future, and use credit wisely. Students will also learn how to create a resume and how to participate in a job interview.

Introduction to Careers in Dentistry (0.5 credit)

This course introduces students to the exciting and varied career opportunities in the dentistry profession, from dental assistant all the way up through oral surgeon. Students will review the history of dentistry globally and in the U.S., and will learn key dental terminology. The course will introduce the roles and tasks done as well as skills and education required of nearly every member of the dental staff. Students will gain an understanding of what it takes to perform each position, and how they work together.

*Course requires the purchase of physical materials.

Introduction to JAVA Programming (0.5 credit)*

Java is one of the most widely used computer languages in the world. This course will teach students Java by having them complete multiple projects, including games such as mad libs, player vs. computer games, battleship, tic-tac-toe, picture shuffler, and many more. This course assumes no Java coding experience and includes self-graded quizzes and tests.
Required materials: HTML Text Editor (TextEdit, Notepad, or Text) and Eclipse

Introduction to the Internet of Things (0.5 credit)

Today's world is increasingly becoming the internet of things. With advances in battery power, sensors, and computer chips, more and more devices are being connected to the internet, allowing them to be monitored, controlled, and used more effectively for people and businesses. This course examines the trends and opportunities surrounding the Internet of Things. Students will learn about the technologies, hardware, and software that underpin the Internet of Things. Students will investigate a variety of end-market applications in our homes, businesses and cities. Finally, students will learn about the many career opportunities that the Internet of Things will enable.

Introduction to Nursing (1.0 credit)

This two-semester course introduces students to the field of nursing. In the first semester 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. In semester two students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, crisis management will be included.

Introduction to Wall Street and Financial Careers (0.5 credit)

This course introduces students to the world of finance and the role of finance within society. Students will review key financial terms and examines various groups, positions, and roles within financial institutions. Students will learn about resumes, interviews, and networking. Students will also discuss ethics on Wall Street.

JavaScript Game Design (0.5 credit)*

In this course, students will learn how to start programming with JavaScript. Students will learn the basics of JavaScript including testing, functions, objects, arrays, loops, conditional code, operators and syntax basics. Students will learn timing, animations, and how to debug and complete a final project that incorporates everything they learned in the semester.
Prerequisite: Students should have a working knowledge of HTML and CSS prior to taking this course.
Required materials: text editor (TextEdit, Notepad, or Text), Image Editing Software (Pixlr or GIMP, and Webhosting and basic in-browser FTP like Neocities).

Latin I (1.0 credit)

This first year Latin course is designed for high school students who are new to the Latin language. Students will learn the basics of Latin grammar beginning with nouns of the first three declensions and verbs in the present active system, including imperfect and future tenses. Students will also be introduced to the history of ancient Rome and some of the people who made that history. A strong knowledge of Latin will also help students to understand the roots of many English words, and especially the more difficult words where students can often discover Latin roots that hold clues to their meaning. The knowledge of Latin Grammar will assist students with their writing and comprehension of language in general.

*Course requires the purchase of physical materials.

Latin II (1.0 credit)

Latin II focuses on communication through speaking, writing, reading and listening, as well as a thorough grounding in aspects of culture. Unit activities blend different forms of communication and culture to ensure that students meet all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes and exams. Learning activities in each unit are focused upon a specific theme.

Prerequisite: Latin I

Latin III (1.0 credit)

Latin III continues to focus on successful communication through speaking, writing, reading and listening while developing advanced proficiency in the language and culture. They expand their knowledge of archaeological evidence, art, and literature as reflections of Roman perspectives and practices. They examine the Roman political system, the multicultural aspects of the Roman Empire, and the role of geography in military history and compare these to similar aspects of United States politics, culture, geography, and history.

Prerequisite: Latin II

Marine Science (0.5 credit)

About 70% of the Earth is covered by water. Even today, much of the world's oceans remain unexplored. Marine scientists make exciting new discoveries about marine life every day. In this course, students will discover the vast network of life that exists beneath the ocean's surface and study the impact that humans have on the oceans.

Media and Communication (0.5 credit)

From banner ads to billboards, newspaper articles, and Facebook feeds, people are constantly sharing ideas. This course looks at the many facets of mass media. Students will learn how the media shapes every aspect of our lives. We examine the role of newspapers, books, magazines, radio, movies, television, and the growing influence of Facebook, YouTube, and Twitter.

Medicine (0.5 credit)

This course provides students with an introduction to healthcare, with emphasis on modern, clinical medicine. Students will review basic human anatomy and physiology and study major health concerns affecting people in the U.S. and the world. Topics include infectious diseases, cancer, traumatic injuries, and healthcare career opportunities.

Music Appreciation (0.5 credit)

In this course, students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

Nutrition (0.5 credit)

This course takes students through a comprehensive study of nutritional principles and guidelines. Students will learn about world-wide views of nutrition, nutrient requirements, physiological processes, food labeling, healthy weight management, diet related diseases, food handling, nutrition for different populations, and more. Students will gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.

*Course requires the purchase of physical materials.

Paleontology (0.5 credit)

In this course, students will learn about the creatures both large and small that roamed the earth before modern man. Students will watch videos from experts at the Royal Tyrrell Museum, a leading paleontology research facility, and discover how the field of paleontology continues to provide insight into early life on earth.

Photojournalism (0.5 credit)*

A powerful image can tell an eloquent story without words. Students in Photojournalism will be introduced to some of the pioneers who set the standards for this unique way of storytelling. As they study the principal types of photojournalism and the ethical responsibilities a photojournalist has behind the lens, students will develop their own storytelling skills through their writing and their photographs.

Required Materials: digital camera (tripod, lenses, lights optional)

Physical Science (1.0 credit)*

This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.

Required Materials: lab materials

Pre-Algebra (1.0 credit)

In this course, students will move from the world of simple mathematics to the exciting world of Algebra and Geometry, developing skills that will be necessary throughout their lives. Students will stretch their thinking by learning increasingly abstract concepts and solving real world problems. Concepts are presented using examples of the skills and strategies students need. Students attain concrete understanding of the basics for algebraic thinking.

Prerequisite: Math 7

Python Multiplayer Adventure (0.5 credit)*

Python is a powerful language designed to do just about anything! This course allows students to learn Python by first completing a text based console game and then turning it into a multiplayer adventure! Students will not only learn Python from going through the individual lessons and video reviews but also understand a client server relationship. They will get to code in their own python web server that allows connections through a browser. Students will gain experience using variables, classes, functions, lists, dictionaries, generators and proper Python formatting. This is a great course for anyone interested in preparing themselves for future coding classes. This course assumes no coding experience and includes self graded quizzes and tests.

Required Materials: Students will need a Windows PC or Mac for this course; Chromebooks and tablets are not sufficient.

Renewable Energy (0.5 credit)

In this course, students will investigate sustainability and the importance of finding new, innovative ways to ensure that we can provide for global energy needs today and in the future. Students will take a balanced and evidence-based look at climate change, ways that we can harness renewable resources, sustainable societies, biodiversity, and smart growth.

Robotics and Artificial Intelligence (0.5 credit)

This course teaches students what a robot is and how it relates to other key technologies such as artificial intelligence and machine learning. Students examine 10 applications of robots and how they will evolve to impact more aspects of our lives and the economy, including employment and creativity.

*Course requires the purchase of physical materials.

Space Exploration (0.5 credit)

This course will examine the history and future of space travel. Students will learn about landmark 20th century events, find out what it takes to put people in space, and what it will take for us to reach new frontiers, including Mars and beyond. Topics include launch and landing systems, manned vs. unmanned spaceflight, and low earth vs. beyond earth orbit.

Spanish I (1.0 credit)

Spanish I is designed to develop an authentic and practical understanding of the Spanish language and culture. Students will have the ability to express their thoughts, feelings, and opinions in the target language within basic, real-life situations and learning scenarios. All new concepts, grammatical concepts, and cultural information will be introduced in context while incorporating various listening, speaking and writing activities.

Spanish II (1.0 credit)

In this course, students will build upon the foundation developed in Spanish I. They continue to build vocabulary, learn new verb tenses and grammar concepts, and improve their ability to communicate with others. Students will learn new concepts such as reflexive verbs, infinitive expressions, commands, the imperfect tense. They will explore new countries where Spanish is spoken and monitor current events in the Spanish-speaking world.

Prerequisite: Spanish I

Spanish III (1.0 credit)

In this course, students will continue to develop their abilities in reading, writing, speaking, and understanding Spanish through a systematic review of its structure. Students focus on applying vocabulary in a wider array of situations by learning about the past progressive and subjunctive moods and the present perfect, future, and conditional tenses.

Prerequisite: Spanish II

Startups and Innovation (0.5 credit)

In this course, students will explore the entrepreneurial mindset of searching for opportunities, creating value, and solving pain points to create the next world-class startup. They will explore how this mindset applies not just to business, but to schools, non-profits, and many other types of organizations. They will investigate how to apply this mindset in their own experiences.

Study Skills & Strategies (0.5 credit)

The Study Skills and Strategies course equips students with skills and understandings critical to effective learning. Using a unique approach to the traditional topic of study skills, this course weaves understanding regarding the role of the brain in learning into the instruction of discrete learning skills and strategies. Moving beyond a list of good tips and ideas, the Study Skills and Strategies course will challenge students to develop intentional approaches to learning. They will be required to make connections between the strategies and skills they learn in this course and the implementation of those strategies and skills in their other coursework. Upon completion of the course, students will have learned a variety of specific learning skills and strategies, gained greater understanding of their own learning preferences, and become prepared to develop and implement specific learning and study plans for any academic course or other learning needs.

*Course requires the purchase of physical materials.

Theater Studies (0.5 credit)

Have you ever wondered how a play goes from the playwright's mind all the way into a multi- million dollar Broadway production? In this course, you'll learn the whole process! This course provides a thorough introduction to the theater by providing an overview of major topics in theater studies, with a blend of theoretical and practical lessons. In the first half of this course you will learn about the definitions of theater, theater history, and contemporary theatrical genres. The second of half of the course will guide you through all of the elements of putting on a professional theatrical production. You will learn about the entire production process, from playwriting through opening night, including elements of technical theater, the rehearsal process, and audience response. Whether you're an aspiring actor, technician, director, or producer, or even just an avid theater-goer, this course is for you.

Wearable and Implantable Technology (0.5 credit)

This course will introduce students to wearable technologies (smart watches, pedometers, hearing aids, and other devices) along with the components and software that make these technologies possible (the continued miniaturization of chips and sensors and increasing sophistication of artificial intelligence). Students will evaluate several applications of wearable technologies in various industries and discuss the pros, cons, and potential implications of wearable technology for our health, privacy, and society.

World Geography and Cultures (1.0 credit)

In this course, students will learn to use the skills of map reading and development, geographic technology, and the recognition of geographic themes to make sense of the world. The course examines world regions including the nations, people, and cultures of the Americas and Western Europe, Central Europe and Northern Eurasia, Central and Southwest Asia, South Asia, Africa, East Asia, and the Pacific.

MIDDLE SCHOOL LANGUAGE ARTS

Language Arts 6*

Semester A of English 6 is divided into two main categories: Storytelling and Heroes. Student assignments will include writing a narrative essay and completing a book report. Semester B covers two additional main topics: Myth and Poetry. Students will complete assignments including writing an original fairy tale and composing a poem.

Required Materials:

- *The Giver* by Lois Lowry; ISBN-10: 9780544336261, ISBN-13: 978-0544336261
- *Roll of Thunder, Hear Me Cry* by Mildred D. Taylor; ISBN-10: 0142401129, ISBN-13: 978-0142401125
- *Walk Two Moons* by Sharon Creech; ISBN-10: 0064405176, ISBN-13: 978-0064405171
- *The Westing Game* by Ellen Raskin; ISBN-10: 014240120X; ISBN-13: 978-0142401200
- *Freak the Mighty* by Rodman Philbrick; ISBN-10: 9780439286060; ISBN-13: 978-0439286060
- *Seedfolks* by Paul Fleischman; ISBN-10: 0590511904; ISBN-13: 978-0064472074
- *True Confessions of Charlotte Doyle* by Avi; ISBN-10: 0545477115; ISBN-13: 978-0545477116
- *The Watsons Go To Birmingham* by Christopher Paul Curtis; ISBN-10: 9780440414124; ISBN-13: 978-0440414124

*Course requires the purchase of physical materials.

Language Arts 7*

Through analysis of written, spoken, and multimedia texts, students will become more critical consumers of information and various forms of media. They will synthesize and organize ideas to prepare structured narrative, persuasive, and expository essays. A review of basic English mechanics is included in many of the writing lessons, along with a discussion of levels of formality required for different purposes and audiences. Students will work in many modalities, including audiovisual presentations, videos, interactive activities, projects, and discussions. they will study the English language closely—both its history and evolution, and ways it can be used to convey meaning in poetry, drama, and humorous or satirical texts.

Required Materials:

- *Poetry Speaks Who I Am* by Elise Paschen – ISBN-10: 1402210744, ISBN-13: 978-1402210747
- *Julie of the* Wolves by Jean Craighead George; ISBN-10: 0064400581, ISBN-13: 978-0064400589
- *The Outsiders* by S.E. Hinton; ISBN-10: 014240733X, ISBN-13: 978-0142407332
- *Where the Red Fern Grows* by Wilson Rawls; ISBN-10: 0440412676; ISBN-13: 978-0440412670
- *Nothing But the Truth, Isham*, by Frederic Stewart; (found on GP)
- *The Cay* by Theodore Taylor; ISBN-10: 0440416639; ISBN-13: 978-0440416630
- *A Christmas Carol,* by Charles Dickens; (found on GP)
- *A Day No Pigs Would Die* by Robert Newton Peck; ISBN-10: 0679853065; ISBN-13: 978-0679853060

Language Arts 8*

In this course, students will master the Standard American English writing style, allowing them to express their ideas clearly and effectively. Students will analyze the poetry of noted writers such as Seamus Heaney, Robert Frost, and Jane Kenyon, Lessons focus on sentence structure, verb tenses, punctuation, and grammar rules and logic, formal letter writing, biographical essays, and creating a bibliography. Students will practice effective research techniques and prepare reports and essays using strategies such as the Sign and Design Mind and Clustering to help form their ideas and develop stories and arguments. Through careful study of parts of speech, verb forms, and sentence clauses, students will be prepared to write at the high school level.

Required Materials:

- *Poetry Speaks Who I Am* by Elise Paschen – ISBN-10: 1402210744, ISBN-13: 978-1402210747
- *Julie of the* Wolves by Jean Craighead George; ISBN-10: 0064400581, ISBN-13: 978-0064400589
- *Roll of Thunder, Hear Me Cry* by Mildred D. Taylor; ISBN-10: 0142401129, ISBN-13: 978-0142401125
- *Diary of a Young Girl* by Anne Frank; ISBN-10: 9780553296983, ISBN-13: 978-0553296983
- *My Brother Sam is Dead* by James Lincoln Collier; ISBN-10: 0439783607, ISBN-13: 978-0439783606
- *Across Five Aprils* by Irene Hunt; ISBN-10: 0425182789; ISBN-13: 978-0425182789
- *The Ox-Bow Incident* by Walter Van Tilburg Clark; ISBN-10: 0812972589, ISBN-13: 978-0812972580
- *That Was Then, This is Now* by S. E. Hinton; ISBN-10: 0140389660, ISBN-13: 978-0140389661
- *The Pearl* by John Steinbeck; ISBN-10: 014017737X, ISBN-13: 978-0140177374

MIDDLE SCHOOL MATHEMATICS

Mathematics 6

In this course, students will build on their basic math skills , learning how to add, subtract, multiply, and divide integers, decimals, and fractions. Lessons also explore ratios and proportions, the order of operations, and how to use these in solving application problems. Students will be introduced to the basics of algebra and algebraic expressions. They will learn how to apply these problem-solving skills to percentages and solving single- and multiple-step equations, along with Geometry, probability, and statistics.

*Course requires the purchase of physical materials.

Mathematics 7

In this course, students will work with problem-solving skills, beginning with basic algebra skills, geometry, decimals, fractions, data analysis, number theory and patterns, percentages, and integer use. Following this, they will work with fractions; unit conversions; proportions and rates; percentages; geometry topics including lines, angles, polygons, polyhedrons, perimeter, area, surface area, volume, and transformations; squares and square roots; permutations and combinations; and probability. Real-life application of concepts is emphasized in all units.

Math 8: Pre-Algebra

This course will help students move from the world of simple mathematics to the world of Algebra and Geometry, learning to solve real world problems. Students will be introduced to increasingly abstract concepts and given a concrete understanding of the basics for algebraic thinking. With numerous hands-on activities and demonstration videos, they will have multiple opportunities to enhance their process solving skills.

Algebra I (High School Course – 1.0 credit)

Algebra I introduces students to the world of Algebra through expressions and equations. Students will evaluate algebraic expressions, solve linear equations and graph them. This course also steers students through various real-world scenarios with the emphasis on using basic statistics to interpret the information given and found. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations, data analysis and probability.

MIDDLE SCHOOL SCIENCE

Life Science 6

Life Science is the study of cells, heredity, biological populations, and their changes over time. It includes human biology, ecology, diversity of organisms and the history and nature of science. In this course, students will have the opportunity to conduct and design experiments, as well as identify and classify organisms. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluating, and inferring.

Earth and Space Science 7

In this course, students will learn about the scientific method and hone their use of scientific measurements in earth and space science. Lessons cover earth maps and globes; finding specific locations using latitude and longitude; earth movements; seasons; the moon; tides; solar and lunar eclipses; the role of the sun; planets asteroids, meteors, comets and their orbits; how force gravity works; and stars, constellations, nebula, the Milky Way and galaxies beyond. Students benefit from the most updated information available in areas of new discovery. In earth science. students will study rocks and minerals, volcanoes, earthquakes, undersea ridges, trenches and mountains, and how geologic history helps explain these phenomena. Students will study soil and erosion, water in all its forms, and the atmosphere. they will explore the professions that currently exist in science and technology fields.

Physical Science 8

This course is an introduction to the physical sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.

*Course requires the purchase of physical materials.

MIDDLE SCHOOL SOCIAL STUDIES

Social Studies 6

This course introduces students to the beginnings of ancient civilization. Students will trace the path of human origins in Africa and follow the path of migration around the Earth. This course will help students understand why we study history and the process in which we form conclusions about events in the past. Students will begin to learn about major ancient civilizations and their cultures, and trace the path of human civilization from the Mediterranean through the Eastern world. An emphasis will be placed on critical thinking and connecting themes in history to our modern world.

Social Studies 7

This course emphasizes how ideas, events, and philosophies have shaped the history of the United States. Students will learn about America's past while mastering the skills of historical interpretation. Study begins with the earliest arrivals of people and ends with the conclusion of the Civil War. Students will focus on how historical ideas, events, and philosophies have shaped the United States since Reconstruction.

Social Studies 8

In this course, students will understand the significance of government, law, and politics. They will examine foundational U.S. documents and how they shaped the Unites States government. Students will examine the purposes and functions of federal and state government, law, and political systems. They will evaluate their role and civic responsibility, including voting and being a productive member of society. Students will closely examine the justice system, local government, the environment, and the economy. They will also learn proper ways to interact in society including interpersonal skills and respecting differences in others such as disabilities.

MIDDLE SCHOOL ELECTIVES

Art Appreciation

In this course, students will examine the elements of art and principles of design. They will explore how artists have used these elements and principles in the creation of art for centuries. Through their exploration, students will understand what makes a given artwork a masterpiece, why artists create art, and the hallmarks of different periods and schools of thought.

Art Explorations

The Arts Explorations course encourages students to experience each of the modern arts disciplines -- Visual Arts, Theatre, Music, Media Arts, and Dance. Students will also be able to identify areas of special interest where they would like continued study and the ways that the arts can be a part of their career paths.

Beginning Painting*

This course introduces students to classical and contemporary painting techniques and concepts, with emphasis on the understanding of a formal language and the fundamentals of artistic expression. Painting still lives, landscapes, and life models from observation will let students explore realism as well as other painting styles. Color theory, linear perspective, compositional structure, figure/ground relationships, visual perception, spatial concepts, and critical thinking skills are emphasized. Students will study and research major painting styles and movements in historical context, developing a "critical eye" in evaluation of contemporary painting. Emphasis is on encouraging individuality and creativity

Required materials:

- chromacryl tube of acrylic paints
- round brush
- flat brush

*Course requires the purchase of physical materials.

- watercolor paints (includes brush)
- set of markers
- 1–4b pencil
- painting paper (The pad of paper may be labeled watercolor paper. please use for all paintings, including acrylic.)
- newsprint paper (This paper is for sketches and testing paints. do not use for painting projects.)
- 7 project cardstock pages

Character Education Grades 7 and 8

This course teaches students practical skills for understanding and managing their emotions, setting goals and getting organized, understanding and getting along with others in our diverse world, and making good decisions. Research shows that people who practice these skills have greater academic achievement, and experience more success and satisfaction as adults.

Computer Basics

In this course students will learn how to use productivity and collaboration tools, such as G Suite by Google Cloud, to create word processing documents, spreadsheets, surveys and forms such as personal budgets and invitations.

Drawing*

In this course, students will experiment with different art materials and tools to see what each can do best. Students will become more observant of the structures and meanings of things which can be seen, studying the forms, textures, movements, and patterns of things we see every day. Each lesson exposes a new way of drawing. and provides students room for expressing new technical skills in unique and creative ways.

Required materials:

- 1 drawing pencil, 2B
- 1 round hair brush #10
- 1 bottle India Ink, black
- 1 Pilot Varsity Pen, self-contained black ink
- 2 conté crayons: white, black
- 1 Art gum eraser
- 1 white, wax Crayola crayon
- 40 sheets white drawing paper, 9×12
- 5 sheets construction paper, 9×12, black
- 15 sheets grey construction paper, 9×12
- 14 large envelopes, 10 x 13
- 2 sheets white watercolor paper (rough, heavy, stiff)
- 2 sheets rice paper 9 1/2 x12 (soft, translucent)
- 25 sheets newsprint, 9×12
- 1 bottle white glue (obtain locally)

French I (High School Course – 1.0 credit)

This course focuses on developing listening skills by repeated exposure to the spoken language. Speaking skills are encouraged through recommended assignments using voice tools. Reading and writing skills, as well as language structures, are practiced through meaningful, real-life contexts. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

*Course requires the purchase of physical materials.

French II (High School Course – 1.0 credit)

This course enhances the language skills developed in Level 1. Vocabulary and grammar structures are expanded to help students move towards an intermediate comprehension level. Students enhance their speaking and listening skills through real-life activities, and their listening skills through online dialogues. Reading and writing skills are developed through meaningful activities and culturally-related articles of interest. Students will explore French-speaking areas around the world.
Prequisite: French I

German I (High School Course – 1.0 credit)

This introductory course teaches basic communication and comprehension in German. It coordinates the study of language with culture through the use of video, audio, and mass media. This course introduces the fundamentals of German conversation and grammar. Students will begin to develop a functional competency in the four primary language areas: Speaking, reading, listening, and writing; and establish a solid grammatical base. In the second semester, students will further develop their skills in pronunciation, grammar, grammar structures, and vocabulary. The different cultures of the German-speaking world are emphasized through readings, videos, and other activities.

German II (High School Course – 1.0 credit)

In this course, students will build on their German grammar and language skills. Students will review basic grammar skills, learn and study stem-changing verb conjugation, and explore cultural themes regarding current events, famous German people, music, and festivals. In the second semester, students will increase their proficiency by forming more complex sentences. Cultural themes are entwined throughout the course.
Prequisite: German I

Health

This course will help students understand the importance of making decisions that will affect their physical, emotional, mental, and social health. It will provide students with the knowledge and resources they will need to make responsible, informed decisions about their health. Students will have an opportunity to evaluate their own values, opinions and attitudes about health.

JavaScript Game Design*

JavaScript is one of the best languages to learn, it makes the browser come alive! This course will teach students JavaScript through coding multiple computer games including, pong, fish, a platformer and tower defense! They then will code or customize their own game! Students will be writing all the code themselves from going through the individual lessons and watching the video reviews. They will learn about variables, functions, listening events, loops, arrays and objects. This course assumes no coding experience and includes self graded quizzes and tests. Students will also upload their work at the conclusion of each project while creating an online portfolio.
Required materials: Students will need a Windows PC or Mac for this course; Chromebooks and tablets are not sufficient.

Keyboarding*

This keyboarding course is appropriate for elementary and middle school students. The curriculum introduces new keys by rows where students first learn the middle row, then the top row and then the bottom row of the keyboard. The content focuses on sight and high-frequency words. This course assumes no keyboarding experience and will guide students across the keyboard.
Required materials: Students will need a computer or laptop for this course; tablets are not sufficient.

*Course requires the purchase of physical materials.

Music Appreciation

In this course, students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

Physical Education

This course emphasizes the value of physical activity and sports. Students will learn about the rules and basic principles of a variety of sports, including archery, bicycling, golf, skiing, tennis, volleyball, baseball, basketball, football, hockey, and soccer. Discussions cover information about playing area and equipment, basic rules, safety considerations, and terminology for each sport.

Python Multiplayer Adventures*

This course allows students to learn the Python language by first completing a text-based console game and then turning it into a multiplayer adventure! Students will learn Python and understand the client-server relationship. They will code in their own python web server, using variables, classes, functions, lists, dictionaries, generators, and proper Python formatting. This course assumes no coding experience and includes self-graded quizzes and tests.

Required materials: Students will need a Windows PC or Mac for this course; Chromebooks and tablets are not sufficient.

Scratch Coding*

Scratch is a program developed by MIT which teaches students the basics of how computers think. This course will introduce students to coding programs and allow them to drag and drop coding blocks to create a fully functional program. The user interface and tutorials allow students to quickly create and run their code to see its results. This course assumes no prior computer coding knowledge and includes self-graded quizzes and tests.

Required materials: Students will need a computer or laptop for this course; tablets are not sufficient.

Spanish I (High School Course – 1.0 credit)

Spanish I is designed to develop an authentic and practical understanding of the Spanish language and culture. Students will learn to express their thoughts, feelings, and opinions in Spanish using basic, real-life situations and learning scenarios. New concepts, grammar, and cultural information will be introduced in the context of various listening, speaking, and writing activities.

Spanish II (High School Course – 1.0 credit)

In this course, students will build upon the foundation developed in Spanish 1. They continue to build vocabulary, learn new verb tenses and grammar concepts, and improve their ability to communicate with others. Students will learn new concepts such as reflexive verbs, infinitive expressions, commands, the imperfect tense. They will explore new countries where Spanish is spoken and monitor current events in the Spanish-speaking world.

Study Skills

This course equips students with skills and knowledge that are critical to effective learning. It weaves understanding about the role of the brain in learning into the instruction of discrete learning skills and strategies. Moving beyond a list of good tips and ideas, this course challenges students to develop intentional approaches to learning. They will connect the strategies and skills they learn in this course to implementation in their other coursework. Students will gain greater understanding of their own learning preferences, and become prepared to develop and implement specific learning and study plans.

*Course requires the purchase of physical materials.

ELEMENTARY SCHOOL COURSES

**Please note that all elementary school courses have grade specific required materials. You can find each by following the links below.

- Elementary School Supply List
- Kindergarten
- First Grade
- Second Grade
- Third Grade
- Fourth Grade
- Fifth Grade

ELEMENTARY LANGUAGE ARTS

Language Arts K**

This course teaches students to identify and write all letters, and produce letter sounds and frequently used phonograms. Students will master weekly sight words and reading and comprehension strategies to grow as readers.

Language Arts 1**

This course teaches students to identify and write all letters, and produce letter sounds and frequently used phonograms. Students will master weekly sight words and reading and comprehension strategies to grow as readers.

Language Arts 2**

This course teaches students to spell and write vocabulary, read more fluently, apply grammar concepts, and participate in handwriting and writing activities through thematic units. Students will continue to master weekly sight words and reading and comprehension strategies to grow as readers.

Language Arts 3**

This course teaches students reading comprehension skill and strategies to help them become stronger readers. Students will master weekly spelling and vocabulary words and grammar concepts that will help them become stronger writers.

Language Arts 4**

This course integrates reading, writing, speaking, listening, and the study of vocabulary and grammar to help students build broad and diverse literacy skills. Students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments focus on narrative and persuasive modes and emphasize the use of reasoning and details to support opinions. Students learn a writing process that begins with prewriting and ends by emphasizing one or more aspects of conventions of standard written English. They gain skills to read fiction, poetry, drama, and informational text. Students learn how to present information orally and using multimedia.

Language Arts 5**

This course integrates reading, writing, speaking, listening, and the study of vocabulary and grammar to help students build broad and diverse literacy skills. Students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments focus on narrative and persuasive modes and emphasize the use of reasoning and details to support opinions. Students learn a writing process that begins with prewriting and ends by emphasizing one or more aspects of conventions of standard written English. They gain skills to read fiction, poetry, drama, and informational text. Students learn how to present information orally and using multimedia.

*Course requires the purchase of physical materials.

ELEMENTARY MATHEMATICS

Mathematics K**

In this course, students will learn foundational math facts. They will learn to count to 12, how to compare sizes, ordinal numbers putting items in order, a number line, basic measurements, and how to tell time. As they progress, students will learn to count to twenty. They will compare objects using the terms tall, longer, and shorter as well as lighter and heavier. They will continue their exploration of basic geometric shapes such as cones and spheres. They will work with the concept of first, middle, and last and arranging and sorting Students will learn the concepts of left and right.

Mathematics 1**

In this course, students will build fluency with basic math facts. They will learn to count to 100, basic addition and subtraction facts, and how to add double-digit numbers. Students will be introduced to word problems, Venn diagrams, and basic geometric concepts. the course emphasizes practical skills such as reading thermometers, looking at maps, and understanding the value of coins. As they progress, students will begin counting by twos, fives, and tens. They will learn both vertical addition and subtraction. Lessons introduce multiplication and division. Students will study even and odd numbers and continue their exploration of geometric shapes through drawing and sorting.

Mathematics 2**

In this course, students will build fluency with basic math facts and add and subtract within 100 to solve word problems using strategic methods. Students will manipulate numbers to 1000 using knowledge of hundreds, tens, and ones. They will demonstrate arrays with repeated addition. They will use place value to add and subtract within 1000. They will measure and compare length and represent it on a number line. They will work with money and time to compare value. Students will collect and represent data on graphs. They will learn to recognize common 2-dimensional and 3-dimensional shapes by their specific characteristics.

Mathematics 3**

In this course, students will build flexibility with numbers as they master addition, subtraction, multiplication, and division facts. Students will understand relationships between addition and subtraction, and multiplication and division, as they learn to borrow, carry, and regroup in order to find sums and differences of two whole numbers up to 10,000. Students will learn the place value of base ten numbers up to 1,000,000 in order to find patterns and make estimations. They will implement a 4-step approach to solving problems and express numbers differently including translating them into roman numerals or expressing them as ordinal numbers. Students will explore concepts of measurement, including linear measurement, weight, volume, temperature, and time. They will recognize, compare, and convert fractions. Students will write amounts of money and make change. They will examine lines, polygons, and solid figures as they are introduced to basic concepts of geometry.

Mathematics 4**

This course focuses on developing understanding and fluency in three areas: multi-digit multiplication and dividing to find quotients; fraction equivalence, addition and subtraction of fractions with like denominators, multiplication of fractions with whole numbers, and converting fractions to decimals; equivalent measurements of length, weight, mass, and capacity. They will also learn skills in related to time, distance, and money.

Mathematics 5**

In this course, students will focus on several areas including developing fluency with addition, subtraction, multiplication, and division of fractions. They will extend division to 2-digit divisors, integrate decimal fractions into the place value system, and increase understanding of operations with decimals to hundredths. They will develop fluency with whole numbers and decimal operations. Activities model real life situations such as grocery shopping. Continuing work with fractions focuses on ratios and fraction application, models, and division. Students will explore measurement of length, weight, and volume.

*Course requires the purchase of physical materials.

ELEMENTARY SCIENCE

Science K**

In this course, students will use their senses to explore their world. Students experience nature walks, gardening, and imitative games by exploring varying concepts.

Science 1**

In this course, students will complete projects that allow for exploration and discovery. Through observations of the natural world, students conduct inquiries into topics related to their healthy development.

Science 2**

Second Grade Science introduces students to the process of observation and how important it is to the study of science. Learners will identify their five senses and why they are critical to observation. Students will use these observation skills throughout the course as they examine many different types of animals and their environments. Students begin by observing ants in their own environments and continue onto learning the different types of birds. Students will come to understand plant and animal rhythms and will perform small experiments with plants. Stories will be used to teach the students about nature and interactions that humans have with nature. They will continue to learn about animals and their characteristics habitats, and needs. Students will learn through video, audio stories, hands-on participation and observation with nature. The teachers will conduct live assessments for the topics that had been covered throughout the week's lessons. Grade 2 Science provides students with the opportunity to expand their minds and see for themselves the way that animals and nature are a part of their everyday lives. Semester B of Second Grade Science begins with the students learning the characteristics of the Weaverbird and Swiftlet bird. Learners will come to understand the different groupings of animals including those with vertebrates, invertebrates and warm and cold blooded animals, carnivores, herbivores and omnivores. Learners will be asked to recall the five senses that they discussed at the beginning of the course and compare them to the senses of animals. They will also learn how animals communicate and the relationship between animals and humans. The course ends with the students taking a closer look at the characteristics of reptiles, insects, birds of prey, and fish. At the close of the course students will have a deeper understanding and appreciation of animals and their habitats.

Science 3**

This course introduces students to experimentation as they journey through the earth and its many miracles. Students will learn about the earth, the sun, and the moon. By participating in simple experiments, students will explore the water cycle, gravity, weather, types of terrain, the role of plants in the production of oxygen, and their importance to human survival. Learners will understand that experiments require the use of instruments, observation, recording, and drawing evidence-based conclusions. Students move on to root formation, the interdependence of plants and humans, biomes of land and sea, extreme weather, rocks, vertebrates and invertebrates, as well as extinction.

Science 4**

This course covers the three main domains of science: Physical, life, and earth and space science. Students will use various kinds of experimenting, including field studies, systematic observations, models, and controlled experiences. The course begins with the scientific method, which students use and build upon throughout the course. Students explore life on planet earth, salt and fresh water, and fast and slow changes that occur on the planet. They study galaxies, the solar system, and other planets. They examine the ways that forces and motion can be measured, and the concept that a single kind of matter can exist as a solid, liquid or gas. Students go on to investigate the relationship between heat, light, sound, and electrical energy and the way they can be transferred between each other. Students distinguish between natural objects and objects made by humans as they examine technology and the role it plays in science. They look at life cycles of animals, plants, and humans and how they interact with each other.

*Course requires the purchase of physical materials.

Science 5 **

This course emphasizes earth and space science, life science, and physical science. Students will begin by focusing on earth and space science by looking at the solar system and planets. They investigate the different tools that can measure force, time, and distance. They learn how light and sound travel and interact with each other, as well as the different types of energy. They see the ways that organisms are interconnected. As they continue, students focus on the many ecosystems of the earth and the way these parts depend on each other. Students will learn the different types of ecosystems that exist. They will learn how ecosystems change and how changes affect their ability to support their populations. Students will examine plants and how their structures allow them to respond to different needs. They will also grow in their understanding of the importance of good nutrition to all living organisms. The course concludes with the scientific process and the importance of investigations and conclusions in the science.

ELEMENTARY SOCIAL STUDIES

Social Studies K**

This course introduces students to their place in the community and their responsibilities as members of society. Great figures in U.S. history such as Pocahontas, George Washington, and Abraham Lincoln are a focus. Students will also learn about everyday heroes, the responsibilities of pet ownership, the importance of rules, table manners, and eating well. Students will practice retelling stories by recording audio, orally, or by writing. They will learn how to use details and basics of narratives. Students will be taught to read maps of the U.S. and the world. They will learn about symbols of the U.S. such as the American flag and the eagle, as well as holidays -- with a particular focus on Thanksgiving. Another focus is currency: What money is, how money can be spent, the power of buying locally, and the difference between wants and needs.

Social Studies 1**

In this course, students explore basic fundamentals of social studies, including map skills, cardinal directions, and maps of the U.S. and the globe. Students will be introduced to important figures from American history such as Pocahontas, George Washington, Abraham Lincoln, and Clara Barton. Students will practice retelling stories by recording audio, orally, or by writing. They will learn how to use details and basics of narratives. Students will make maps of their homes and neighborhoods, as well as a personal timeline. As they progress, students will study economics, including bartering, goods and services, jobs in the community, and how the marketplace works. They will focus on positive character traits such as honesty, aspects of personal responsibility, and how to help and respect others.

Social Studies 2**

In this course, students course will begin to explore the basic fundamentals of social studies including culture, geography, and economics. They will explore the ancient cultures of China, Africa, and the Celts through ancient folk tales and fables. They will create a photo book that describes the significant events in their own lives. They will examine the importance of geography and direction. Students will learn how to locate boundaries while using a world map. They will develop a basic understanding of map symbols as they locate continents, the equator, and oceans. Students will also learn to identify on a map where they live, as well as nearby rivers, mountain ranges, and lakes. They will learn about economics and the role that money plays in every civilization. They will take a closer look at the economy of the Celtic people. Students will learn the difference between natural, human, and capital resources. They will begin to understand the exchange of money for goods and services. . Students will learn about desirable human qualities through the use of fables such as “The Boy Who Cried Wolf” And look at individuals who have made a difference in the greater community, such as Rosa Parks and Susan B. Anthony. Students will examine the diversity of the community they live in.

*Course requires the purchase of physical materials.

Social Studies 3**

In this course, students will explore basic fundamentals of social studies including geography, civics, and economics. Students will look at the beginning of civilization, examining the ancient Hebrew civilization, the Phoenicians, and the Kush tribe of ancient Africa. They will examine the Native American tribes of the Cherokee, Sioux, and Hopi. Students will look at the first explorers of the Americas and learn about the beginning of the United States. They will learn important geographical factors in ancient civilizations, Native American tribes, and the developing United States. Students will create maps and look at landscapes. They will take a close look at their own personal heritage by mapping their ancestry. As they progress, students will learn about economics and the role that money plays in every civilization. They will learn the difference between natural, human, and capital resources. They examine the production of goods, trade, specialization, and interdependence, and come to understand the importance that each individual plays in a society's economy. Students are introduced to civics and governmental structure through discussion and stories of the Ancient Hebrews, Ancient Phoenicians, and Native Americans.

Social Studies 4**

In this course, students will use their understanding of social studies skills to explore local states and communities. They will learn the topography of their particular area by creating a detailed landscape model after researching their communities. Students will also research local animals. This course walks students through research and report writing steps. Students will complete projects based on their local geography, capitols, natural wonders, and landforms. Students will explore U.S. colonial history and the frontier life of early American settlers. Students will examine the difficulties that early settlers faced when reaching America. They will apply knowledge of historical thinking, chronology, turning points, individuals, and themes of local and Unites States history in order to understand how history has shaped the present and will shape the future. They will conduct research projects on how particular states became a part of the U.S.

Social Studies 5**

Students in this course study United States history through the Civil War, including a geographical exploration of the United States and what it has to offer. Students will investigate early settlements of North America and what life was like for colonists and Native Americans. Students will understand the causes of the Revolutionary War and the people who played a significant role in it. As they progress, students will explore of American West and what life was like for those looking to find gold. They will look at slavery and the Civil War. The course will take an in-depth look at the cultures, people, and geography of the United States from past to present, exploring the country region by region.

ELEMENTARY ELECTIVES

Art Level 1, Art Level 2, Art Level 3, and Art Level 4**

Art provides an opportunity for students to develop the use of their senses. It offers students a way to express feelings and emotions. This course encourages self-discipline and cooperation while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. Again, this is a necessity in lifetime experiences. The student will see the artistic expressions and inventions from cultures around the world that are part of the history of mankind and development. Modern media provides many opportunities to the student. However, the student has the benefit to experience it more closely in art classes. Repetition, important for young children, is evident in these lessons. Repetition is provided at different age levels while using various tools and mediums. Home, family and friends, pets, and toys are the young student's world. The student will begin with their personal world as they think they know it, and discover so much more about it. These lessons provide a deeper awareness of the world immediately around them, and eventually their journey will grow from there. Each student is an individual with unique ideas and talents. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which we live.

*Course requires the purchase of physical materials.

Kindergarten Arts & Crafts**

This course provides a foundation for children's artistic imagination and creativity by sharing the basics of art and making art. Students are introduced to lines, circles, recognizing and using shapes, creating a collage, and concepts such as symmetry. Young artists will explore a variety of media such as pastels, watercolors, crayons, tempera, and pencil drawing. Students will work with clay, make fingerprint flowers, draw barns and animals using shapes and may create a bird feeder, pig puppet, paper flowers, potpourri, a heart collage, a wind chime, or pressed flowers.

Grade 1 Arts & Crafts**

This course provides a foundation for children's' artistic imagination and creativity by sharing the basics of art and making art. Students are introduced to primary colors, the color wheel, shapes such as lines and circles, and concepts such as symmetry. Young artists will explore a variety of media such as pastels, watercolors, crayons , tempera, and pencil drawing. Students will create a watercolor tree, use a printing block, and produce a weather painting. As they progress, students will applying what they have learned to make more detailed works of art, creating colorful calendars, stenciling, fashioning intricate flower drawings, revisiting symmetrical objects, and mixing colors.

Grade 2 Arts & Crafts**

Art provides an opportunity for students to develop the use of their senses. It offers students a way to express feelings and emotions. This course encourages self-discipline and cooperation while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. Students will create a color wheel and explore the difference between primary, secondary, and complementary colors. They will use watercolors to create a value chart, begin to understand symmetry in art, and work with clay. As they progress, students will continue to explore their creativity while learning how art can be functional and enhance objects and materials that we use everyday. Students will work on form drawing and make a seasonal chart using objects for each of the four seasons.

Music—Recorders Level 1**

This course combines music and performing arts. Students will experience and learn new songs and perform them using their bodies. In addition, the student will begin learning how to play the recorder.

Elementary Health Kindergarten and Grade 1, Grades 2 and 3**

Elementary Health K/1 and Elementary Health 2/3 help young students establish a basic understanding of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics include personal safety, healthy behaviors, nutrition, communication, disease prevention, basic anatomy and physiology, and the values of cooperation and teamwork.

Elementary Health Grades 4 and 5**

In Elementary Health 4/5, students establish a basic understanding of the aspects of health. They focus on the various aspects of their health and how they can make healthy choices. Topics include personal safety, reducing illness, avoiding bullying, nutrition, healthy friendships, emergency situations, and the human body. Fourth grade will study the functioning systems of the body. Fifth grade will cover the reproductive system, puberty, and sexually transmitted diseases (STDs).

Elementary Physical Education Kindergarten and Grade 1**

Elementary PE K/1 helps young students establish a basic understanding of health and fitness. Students focus on fitness and learn how to become more fit and healthy. Topics include exercise safety; making healthy choices; nutrition; the benefits, components, and principles of fitness; basic anatomy and physiology; and the values of cooperation and teamwork. Students learn age-appropriate motor, non-locomotor, and manipulative skills. They are required to participate in regular physical activity.

*Course requires the purchase of physical materials.

Elementary Physical Education Grades 2 and 3**

Elementary PE 2/3 helps young students establish a basic understanding of health and fitness. Students focus on fitness and learn how to become more fit and healthy. Topics include warm-up and cool down, water safety, goal setting, nutrition, muscle strength, and flexibility. Students learn age-appropriate motor, non-locomotor, and manipulative skills. They are required to participate in regular physical activity.

Elementary Physical Education Grades 4 and 5**

Elementary PE 4/5 helps students establish a basic understanding of health and fitness. Students focus on fitness and learn how to become more fit and healthy. Topics include warm-up and cool down, water safety, goal setting, nutrition, muscle strength, and flexibility. Students learn age-appropriate motor, non-locomotor, and manipulative skills. They are required to participate in regular physical activity.

Keyboarding**

This keyboarding course is appropriate for elementary and middle school students. The curriculum introduces new keys by rows where students first learn the middle row, then the top row and then the bottom row of the keyboard. The content focuses on sight and high-frequency words. This course assumes no keyboarding experience and will guide students across the keyboard.

Scratch Coding**

Scratch is a program developed by MIT which teaches students the basics of how computers think. This course will introduce students to coding programs and allow them to drag and drop coding blocks to create a fully functional program. The user interface and tutorials allow students to quickly create and run their code to see its results. This course assumes no prior computer coding knowledge and includes self-graded quizzes and tests.

*Course requires the purchase of physical materials.

ENGLISH AS A SECOND LANGUAGE

English as a Second Language courses are offered through the DynEd Pro English Certification program.

Certification Levels Offered: A1, A1+, A2, A2+, B1, B1+, B2, B2+, C1, and C2.

Upon enrollment, a skills assessment is required. Following the assessment, the student will be placed into the ESL certification level appropriate for his or her skill level.

ESL Course – Certification Level To Be Determined

Upon enrollment, each student will complete a placement assessment that will allow the instructor to evaluate the student's current skill level and place the student into the appropriate course level. Certification level is based on skill level and does not conform with the traditional grade levels.

Using a series of online activities which include writing, reading, listening, and speaking, students work on language skills to improve their comprehension and use of English in an academic setting. In each course, students interact with a native English speaker and complete assignments that meet identified standards for Academic English in an American education program. The course also includes conversational language studies.

RELIGIOUS COURSE OFFERINGS

We Love Jesus!, 1st Grade

Children naturally ask the question, "Who is God?" They also readily accept the answer that God is our Creator, a loving Father who made all things and all people. This natural curiosity is born from a desire to understand and discover the source of truth, beauty and goodness. This course introduces God as love, and the three Persons of God as a Divine Family. Students come to understand that it was out of love that God created all things and He invites us to share in His life and love through Jesus whom God sent into the world to save us and to lead us to His Father.

Jesus Loves Us!, 2nd Grade

Second grade children are typically preparing for the Sacraments of Reconciliation and Eucharist. This course provides an in-depth background to the person of Jesus, the Son of God and our risen Savior and LORD, based on key teaching from both the Old and New Testaments, as well as the Catechism of the Catholic Church. Children will reflect on God's goodness in Creation, as well as the unfortunate reality of original sin, which can be seen around us in a fallen world. As children are taught to think more closely about the good and bad choices that we make in our everyday lives the concept of sin is gradually introduced. They are taught that sin is a deliberate choice, which is contrary to the love of God revealed to us in Jesus, which makes us unhappy. Jesus shows us how-to live-in love as God's children, and how to avoid sin and overcome selfishness through our participation in the Sacraments of the Eucharist and Reconciliation.

The Church is God's Family!, 3rd Grade

While we encounter God in many places in our lives, especially in our families, we encounter Him in a very special way in and through the Church that Jesus started. The Church is the family of God and we become members of the Church through Baptism. Students are taught about the beauty of the Church with her birthday on Pentecost, the growth of the Church through the Apostles, and the family of the Church with its unity and diversity. Special emphasis is given to faith as the means by which we entrust our lives to God and learn to live in His love at all times. We profess our faith through the Creed, which affirms our belief in the three Divine Persons, Father, Son and Holy Spirit.

*Course requires the purchase of physical materials.

God Guides Us!, 4th Grade

God wants us to be happy and to live as His children. As a loving Father, He instructs us through the Ten Commandments which keep us from sin and help us to do what is pleasing to Him. We also learn how to love and serve others through the Beatitudes, which Jesus taught in the Sermon on the Mount. Children are provided with a clear understanding of the moral life based on the two great commandments, love for God and love for neighbor. Children are challenged to be generous in their commitment to loving and serving others in the way that Jesus has generously loved us.

Jesus Comes to Meet Us!, 5th Grade

The Sacraments of the Church are a unique expression of God's love for us because in the seven sacraments the Son of God comes to meet us and give us the joy of salvation. We experience this grace as a gift from God, something completely free and unmerited. Students learn three types of sacraments and reflect on the signs and symbols through which we are given a participation in God's own life and love. Each of these sacraments was established by Jesus as a way of uniting us to Himself because they offer us the opportunity to live our lives in close communion with Him.

The Story of the Old Testament I, 6th Grade

This course is designed to be a gradual introduction to the Old Testament, especially the major events and main characters in the story of Salvation History, from creation to John the Baptist. The goal of this course is to help students become more aware of the events and people who lived prior to the coming of Christ, and who prepared the way for the Messiah. Each lesson provides a brief narrative of part of the history of Israel, including important dates and names that students should know to understand the story of salvation in the Bible. The emphasis is on God's plan of salvation, which unfolds gradually for the coming of Christ in the fullness of time.

The Story of the Old Testament II, 6th Grade

This course is designed to be a gradual introduction to the Old Testament, especially the major events and main characters in the story of Salvation History, from creation to John the Baptist. The goal of this course is to help students become more aware of the events and people who lived prior to the coming of Christ, and who prepared the way for the Messiah. Each lesson provides a brief narrative of part of the history of Israel, including important dates and names that students should know to understand the story of salvation in the Bible. The emphasis is on God's plan of salvation, which unfolds gradually for the coming of Christ in the fullness of time.

The Story of the New Covenant, 7th Grade

This course introduces students to the life and teachings of Jesus of Nazareth as portrayed in the four Gospels. Students will begin to reflect on some key aspects of the public ministry of Jesus including his parables, the Sermon on the Mount, his miracles, and his establishment of the Church on the foundation of the faith of the Apostles. Special attention will be given to the Paschal Mystery, the death and resurrection of Jesus, which won salvation to the whole world. The course also provides students with an introduction to the Acts of the Apostles and the epistles as well as the Book of Revelation.

Believing, Living, and Praying our Faith, 8th Grade

The Christian faith consists of four essential elements: our Profession of Faith in the twelve articles of the Creed; our celebration of the faith in the liturgy of the Church and the seven sacraments; our living of the faith by adhering to the Ten Commandments and the life of Christ; and our prayer which is based on the prayer that Jesus gave us, the Our Father. This course allows the student who is completing Middle grades to review each of these four elements and to discover new insights and way to faithfully live one's life as a committed disciple or follower of Christ. With this commitment, the student is also prepared for the celebration of the Sacrament of Confirmation if it is to be administered at this time. The course provides a sound doctrinal overview of the faith.

*Course requires the purchase of physical materials.

The Revelation of Jesus Christ in Sacred Scripture, 9th Grade

The purpose of this course is to give students a deeper knowledge and understanding of the Sacred Scripture as the word of God. Through their study of the Bible, students will discover the living Word of God, who reveals to us that entire God wants us to understand for our salvation. Students will explore the uniqueness of the Bible, authored by God through divine inspiration, and by men using various literary forms. Students will also learn how to read the Bible with understanding and become familiar with the major sections of Scripture, and the books included in each section. Special emphasis is given to God's deeds revelation of Himself to us throughout salvation history.

Who is Jesus Christ?, 9th Grade

This course helps students to understand all that God has done for us in and through His beloved Son, our Lord Jesus Christ. Students are encouraged to reflect on the mystery of God's plan and to seek deeper understanding of the mystery of Christ whom God sent into the world to make atonement for our sins. Students explore God's plan for us to share eternal happiness with Him through the redemption, which Christ has won for us. Jesus Christ is the one mediator between God and man, but He is also the Bridegroom of the Church and the fulfillment of many prophecies of old. Students are introduced to what it means to be a disciple of Christ and what life as a disciple entails, practically speaking, day-to-day.

The Mission of Jesus Christ, 10th Grade

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that from the first moment of creation, God has planned for us to share in Divine life as children of God the Father, sisters and brothers of the Son, united in the Holy Spirit. This is accomplished through the Redemption Christ has won for us. Students will learn how we share in this redemption through Christ and will also be introduced to what it means to be a disciple of Jesus Christ, responding to his call in our lives.

The Mission Continues in the Church, 10th Grade

This course leads students to discover Christ in and through His Church so that they may know Him and encounter Him there. Christ, through the Apostles, informs students about the founding of the Church and how Christ through the Holy Spirit sustains the Church. Students come to understand the Church as the living Body of Christ today. Special emphasis is given to the four marks and mission of the Church, the hierarchy, consecrated life, and the role of the laity. Students learn about the mission of the Church to advance the Kingdom of God in the world.

Sacraments: Privileged Encounters with Christ, 11th Grade

This course helps students to understand the experience of a privileged encounter with Jesus in a profound way in and through the sacraments of the Church. This is most true in the celebration and reception of the Eucharist in the Church's liturgy. Students examine each of the sacraments in detail to learn how they may both encounter Christ throughout their lives, as well as serve and follow Him by contributing to the growth of His Kingdom in this world. The course encourages students to reflect on their own experience of encountering Christ in and through the Sacraments that they have received. The final chapter focuses on sacraments and their role in the day-to-day lives of Catholics is included.

Life in Jesus Christ, 11th Grade

This course helps students to understand the moral life and the teachings of the Church regarding moral issues. Students discover that it is only through Christ that they can fully live out God's plans for their lives. Students explore moral concepts and the precepts that govern the lives of Christ's disciples, as well as the call to holiness, which is taught by Jesus in the Beatitudes and the Sermon on the Mount. Students will also learn about the formation of conscience and the role of natural law in understanding moral truth.

*Course requires the purchase of physical materials.

Responding to the Call of Jesus Christ, 9th-12th Grade

The purpose of this course is to help students to understand the vocations of life and how Christ calls us to live in committed, loving relationships with others. In this course, students discover how all vocations are similar and how they differ. The course is structured around developing a deeper understanding of the nature of marriage with its joys and challenges; life as an unmarried person in the world; a life of priestly service to others in the Church; and consecrated life with the vows of poverty, chastity, and obedience.

The History of the Christian Church Part I, 33-1550 A.D., 12th Grade

This course offers a catechesis of the Church in time: fulfilling its nature and purpose to be a light to the nations. The course seeks to supply students with a general knowledge of the Church's history from apostolic times until the Protestant Reformation. The course begins with an overview of the apostolic age as recorded in the "Acts of the Apostles" and then shows the development of doctrine in the early centuries through the writings and work of the Church Fathers. Special emphasis is given to the formulation of the Creed and other essential dogmas in the early Ecumenical Councils.

The History of the Christian Church Part II, 1600-21st Century, 12th Grade

Students follow developments in the Church through the Middle Ages, the Renaissance, the Reformation, the teaching of the Ecumenical Councils as well as the witness of saintly men and women who greatly influenced the history of the Church, and several outstanding Popes who, as the successor of Saint Peter, led the Church through difficult times. Students discover how the Church is sustained and renewed throughout history by the work of the Holy Spirit, and especially through the lives of the saints, and how the Church laid the foundations for western civilization itself.

The Pentateuch, 8th Grade

This course studies the Pentateuch: Introduction, How to Read the Old Testament, Creation, The Fall, Abraham, Jacob, Joseph & Judah, Redemption, Covenant, Tabernacle, Key Themes in Leviticus, Key Passages in Leviticus, Theological Themes in Numbers, Key Passages in Numbers and The Big Picture of Deuteronomy.

Scriptures: The Historical Books

This course studies the Historical Books: Introduction, Joshua, Judges, Ruth, Samuel, Kings, Chronicles, Ezra & Nehemiah and Esther.

Scriptures: The Gospels & Acts

This course studies the Gospels & Acts: Review the Old Testament, The Four Gospels, How the Gospels Were Written, Introduction to Matthew, The Purpose of Matthew, The Kingdom of God in Matthew, Mark, John, and Introduction to Luke & Acts, Luke and Acts.

Scriptures: Paul's Letters

This course studies Paul's Letters: Introduction to Paul's Letters, Romans, Corinthians, Galatians, Ephesians, Philippians, Colossians, Philemon, Thessalonians, Timothy, Titus and Timothy.

Scriptures: General Letters & Revelation

This course studies General Letters & Revelation: Introduction, Hebrews, James, Peter, John, Jude, How to Read Revelation and Revelation.

*Course requires the purchase of physical materials.

Scriptures: Genesis

This course studies Genesis: The Purpose & Setting of Genesis, How to Read Narrative Passages, The Structure of Genesis, The Sovereign Creator, God's Design in Creation, The Creation of Human Beings, The Good Creator, The Anatomy of Temptation, Hope for a Cursed World, The Downward Spiral of Sin & Death, God's Covenant with Abraham, Faith & Failure, Abraham as a Blessing to the World, The Faithfulness of God Despite Deceit, God Builds a Nation and Judah & Joseph.

*Course requires the purchase of physical materials.