

Onsite Course Descriptions

English

ENG 115 Literature 9 A--Film as Literature

Where: Onsite

Prerequisite: None

Reading in the Dark: The Motion Picture as Literature

In this course, we shall study motion pictures as a genre of literature. We shall explore a brief history of the art form, and study the different devices that film makers employ to tell a story, develop a plot, and pursue universal and specific themes.

Primary Text:

Documentaries, Short Films, Feature Films (This course is a pre-requisite for those students wishing to enroll in the course entitled "Video Production".)

This course will satisfy the requirements for Language Arts or Humanities

ENG 116 Literature 9 B--Non-Fiction

Where: Onsite

Prerequisite: None

In this course we will delve into the world of nonfiction to determine how it is written, if it is effective in achieving its purpose, and if argumentative, whether it successfully refutes a counter argument. We shall also research further into the topic at hand, discuss--debate in Socratic Seminar, and write a rebuttal and/or an addendum based on our research and discussion.

Primary Text:

Texts will vary in this course from short essays, original sources, documentary films and speeches, to longer, self-contained works of nonfiction by various authors.

This course will satisfy the graduation requirement for either a credit in Language Arts OR an Elective credit.

ENG 215 Literature 10 A--Poetry

Where: Onsite

Prerequisite: None

Poetry: The Best Words in their Best Order

Course-work will include, but not be limited to, the study of the "parts and pieces" of poetry, that when combined, produce both sound and sense. The emphasis of this course will be on how one can learn to read, question, appreciate, and connect with poetry on both a scholarly and a personal level.

Primary Text:

Various poems and photocopied handouts

This course will satisfy the requirements for either a Language Arts credit, or an Elective credit.

ENG 216 Literature 10 B--The Short Story

Where: Onsite

Prerequisite: None

The Short Story: Big Things in Small Packages

In this course, we shall discover how to question, glean meaning from, and deepen our appreciation of story writing through close study of an eclectic assortment of short stories.

Course-work will include, but not be limited to, the study of the short story as a literary genre, the effective keeping of a notebook, and the art of meaningful participation in a Socratic Seminar setting.

Primary Text:

Various Short Stories

This course is a good “entry point” for students that have not had extensive experience in close-reading and critical thinking, but is also challenging enough to satisfy even the most experienced reader. It will satisfy the requirements for either a Language Arts credit, or an Elective credit.

ENG 315 Literature 11 A--The Novel

Where: Onsite

Prerequisite: None

In this course we will study a novel in great depth. We will look, not only for literary value, but for the novel’s social, historical, and psychological importance. Students will be afforded ample opportunity to learn the skills involved in using one’s mind well and communicating one’s thoughts clearly and effectively.

Primary Text:

The selection of a novel to study in this course will vary, depending upon the age and skill level of the student group. Possible novels will range from the classics in our culture to contemporary pieces that deal with themes that are universal to the nature of man.

This course will satisfy the graduation requirement for either a credit in Language Arts OR an Elective credit. In some instances, depending upon the novel selected, this course might meet the requirements for a credit in Humanities as well.

ENG 316 Literature 11 B--Shakespeare

Where: Onsite

Prerequisite: None

In this course we will explore a major Shakespearian play, line by line, and at times word by word. In addition to studying the play itself in depth, we shall also read and discuss ancillary texts to discover meaning both in the Elizabethan age and in our own time.

Primary Text:

The play in parallel text, ancillary sources, video productions.

This course will satisfy the requirements for a credit in Language Arts, OR an Elective credit, OR an Humanities credit.

ENG 415 Literature 12 A--Primary Research

Where: Onsite

Prerequisite: None

We, in the Onsite program of Richard McKenna Charter High School, have an unique opportunity to conduct original research. Our building houses an archive containing the literary and personal effects of Harper Prize, Nebula Award, and Screenwriter’s Guild Award winning Mountain Home author, Richard McKenna.

Consequently, our students can add to their skills in research and writing, while enlarging and illuminating the content of our collection. Students in this course will learn the skills involved in professional primary research in literature, history, geography, and biography.

An alternate course in this section involves primary research using Mountain Home and the surrounding communities as a laboratory to compile multi-media presentations in history, sociology, process analysis, etc. for publication.

Primary Text:

The McKenna Archive and/or Mountain Home and the surrounding communities

This course will satisfy the requirements for a credit in Language Arts, OR Humanities, OR an Elective.

ENG 416 Literature 12 B--Special Topics in Literature

Where: Onsite

Prerequisite: None

This course will allow us to connect with literature that is often overlooked in a more traditional curriculum, but is important to our overall understanding of who we are and where we stand in the family of man. We might, for example, research, discuss, and write about food in different regions of America before the advent of the interstate highway system, the place of salt in human culture over time, or explore local cultures and/or ethnic groups through diaries, journals, news articles, and interviews. The directions in which this course might take us are as varied as the points on our social compass.

Primary Text:

Resources for this course will vary depending upon need and availability.

This course will satisfy the requirements for a credit in Language Arts, OR an Elective, OR (depending upon the topic at hand) an Humanities.

Humanities: Fine, Visual, and Performing Arts

ART 103 Visual Art

Where: Onsite

Prerequisite: None

ART 104 Animation

Where: Onsite

Prerequisite: None

ART 110 Art history

Where: Online and Onsite

Prerequisite: None

This course is an overview of the world's greatest paintings, sculptures, and architecture. We will be studying different art periods and styles, along with famous works of art* and artists, especially painters. We will also learn how to look at art by examining the elements of art and the principles of design and composition. In studying about the history of art, we will also examine the history "in" art, as many works of art are a great source of historical information. Students will also view three motion pictures about artists and a few documentaries. Those taking this course will be doing a final project that will allow them to choose, in their opinion, the world's greatest artists and works of art.

* Students may be exposed to a few works of art that show the nude human form, but these are classic works of art that are normally found in art books and public galleries and are not generally considered offensive.

ART 112 Architecture

Where: Onsite

Prerequisite: None

ART 213 Painting

Where: Onsite

Prerequisite: None

MUS 210 Music History

Where: Onsite

Prerequisite: None

In this course we consider various musical genres and their history. A number of historical films are used as well as written information. Students gain an appreciation for music by listening to a variety of styles and by examining the poetry and history in the lyrics. We usually try to put on a short musical performance for the school as a climax.

Mathematics

MAT 104 Math Review A

Where: Online and Onsite

Prerequisite: ISAT Basic Proficiency or below

In Math Review A we will cover the following areas:

- Place Values
- Comparing and Ordering Numbers
- Addition
- Subtraction
- Rounding and Estimating
- Multiplication
- Relationship of Multiplication and Division
- Division
- Computation
- Fractions
- Fractions and Decimals
- Decimals

MAT 105 Math Review B

Where: Online and Onsite

Prerequisite: ISAT Basic Proficiency or below

In this course, we will cover the following topics:

- Fractions, Decimals, and Percent
- Percent
- Measurement - Time

- Measurement - Metric System
- Measurement - Mass
- Measurement - Length
- Measurement - Volume
- Measurement - Temperature
- Consumer Math
- Perimeter and Circumference
- Area
- Surface Area
- Volume
- Geometric Properties
- Expressions
- Statistics
- Negative and Positive Numbers

MAT 106 Pre-Algebra A

Where: Online and Onsite

Prerequisite: Math Review B with a C grade or better

In the first semester of Pre Algebra, students will form a firm foundation of numerical concepts that will flow through the rest of their math courses.

Students will use reading, comprehension, and computation skills to master the following concepts:

- Number Sense and Symbols
- Solving Equations with one and two steps
- Arithmetic Properties
- Adding, Subtracting, Multiplying, and Dividing Integers
- Fractions and Mixed Numbers
- Decimals and Estimating
- Ratios, Proportions, and Percents
- Solving Story Problems

MAT 107 Pre-Algebra B

Where: Online and Onsite

Prerequisite: Pre-Algebra A with a C grade or better

This course prepares students for Algebra. It introduces math sentences and rules that will be applied throughout the rest of the math sequence. Pre-Algebra B includes:

- Adding and Subtracting Rational Numbers
- Multiplying and Dividing Rational Numbers
- Working with Square Roots
- Introduction to Graphing
- Using Functions
- Polynomials
- Informal Geometry (Perimeter, Area, and Volume)
- Measurement (Weight, Capacity, and Time)

MAT 110 Algebra 1 A

Where: Online and Onsite

Prerequisite: Pre-Algebra B with a C grade or better

This course includes video lessons and interactive practice.

This course covers the following topics:

- Commutative and Associative Properties

- Order of Operations and Absolute Value
- Solving for an Unknown with One Variable
- Distributive Property
- Number Line and Cartesian Coordinates
- Graphing a Line
- Slope-Intercept Formula
- Graphing a Line from Slope-Intercept Formula
- Graphing Parallel Lines and the Standard Equation of a Line
- Graphing Perpendicular Lines
- Finding the Slope-Intercept Formula with Different Givens
- Graphing Inequalities
- Solving Simultaneous Equations by Graphing
- Solving simultaneous Equations by Substitution
- Solving Simultaneous Equations by Elimination
- Coin Problems
- Consecutive Integers

MAT 111 Algebra 1 B

Where: Online and Onsite

Prerequisite: Algebra 1 A with a C grade or better

This course includes video lessons and interactive practice.

This course is a continuation of Algebra 1A

Assignments in the last two lessons require graphing.

You will need access to a fax machine or have the ability to scan papers into your computer and attach them to the assignment.

This course covers the following topics:

- Multiplication and Division with Exponents
- Negative Exponents and Raising Exponents to a Power
- Addition and Multiplication of Polynomials
- Factoring Polynomials
- Factoring Trinomials with Coefficients
- Factoring Trinomials with Negative Numbers
- Square Roots and Dividing Polynomials
- Difference of Two Squares and Oriental Squares
- Repeated Factoring of Polynomials
- Solving Equations with Factoring
- Unit Multipliers
- Square Unit Multipliers
- Metric Conversions
- Fractional Exponents
- Significant Digits and Scientific Notation
- Bases Other Than Ten
- Graphing a Circle and an Ellipse
- Graphing a Parabola and a Hyperbola

MAT 210 Geometry A

Where: Online and Onsite

Prerequisite: Algebra 1 B with a C grade or better

Geometry is divided into two courses - each lasting nine weeks. Geometry A will emphasize reasoning in geometry, measuring, coordinate graphing, angles, parallels and triangles. Geometry B will emphasize

quadrilaterals, circles, area and volume. Each geometry assignment will contain problems/activities which follow the Idaho Achievement Standards for Geometry.

Students will use a variety of problems solving skills to complete this course.

MAT 211 Geometry B

Where: Online and Onsite

Prerequisite: Geometry A with a C grade or better

Geometry is divided into two courses - each lasting nine weeks. Geometry A will emphasize reasoning in geometry, measuring, coordinate graphing, angles, parallels and triangles. Geometry B will emphasize quadrilaterals, circles, area and volume. Each geometry assignment will contain problems/activities which follow the Idaho Achievement Standards for Geometry.

Students will use a variety of problems solving skills to complete this course.

Occupational/Technical Education

OCP 410 Workplace Readiness

Where: Onsite

Prerequisite: Senior Status

Students will gather information to create a personal data sheet and use this to practice filling out job applications. They will create a resume with a reference page, practice writing cover and thank you letters. They will prepare and participate in mock job interviews. They will visit the campus of The College of Southern Idaho where students will take the Compass entrance test. They will explore and discuss the benefits of higher education, and the different levels including the technical certificate, associate, bachelor, master and doctorate degrees.

Career choice and preparation will be explored.

This course counts as an elective credit.

OCP 411 Workplace Experience

Where: Onsite

Prerequisite: None

Students may earn credit for their work experience outside the regular school day and school classroom. The student is required to complete a job application, cover letter, resume, reference page and thank you letter and submit them to the teacher. The student is required to write a detailed journal about their work hours. After the student turns in and receives a passing grade on the documents and turns in their detailed journal (for at least 90 hours of work experience) they will be granted credit for the course.

This course counts as an elective credit.

OCP 412 Senior Project

Where: Onsite and Online

Prerequisite: Senior Status

Senior Project is a course designed to give learners support in the process of completing their Senior Project graduation requirement and preparing for the Senior Project presentation. The course will address these components: written paper, job shadow experience, and presentation. As your instructor, I will help you develop skills in the areas of choosing a topic, organizing, interviewing, researching, managing time, meeting deadlines, writing, using technology, and presenting information. I will do my best to encourage you and support your efforts. I am committed to working with students who want to produce a quality Senior Project.

Components of the Senior Project

Your project will be a career- related project. You will choose a career that interests you and investigate it by working in the field with someone who is currently employed in the area. You will produce a research paper and presentation related to the chosen career.

TEC 110 Introduction to Engineering

Where: Onsite

Prerequisite: None

While not all students will go into engineering fields, all students will have jobs where they must solve problems. Engineers are professional problem solvers, and we will explore this field as we study what engineers do and how they approach problems. Students will learn to measure with extreme precision (down to 1/10,000 of an inch), Design their ideas on professional 3D modeling software, and see their designs come to life in our own 3D printer.

TEC 112 Introduction to Architectural Design

Where: Onsite

Prerequisite: None

In this class, students will explore the art and science that goes into the design of the buildings we live and work in. Students will explore both residential and commercial building designs, learn a bit about what goes into a building from idea to construction, and even design their dream home using professional 3D architectural software.

TEC 114 Introduction to Robotic Design

Where: Onsite

Prerequisite: None

Students will explore the world of robotics. They will learn about the mechanics, the programming, and how it all comes together to help us in our everyday lives. Students will be using their new skills to create competitive robots to battle head to head against other student's designs.

TEC 116 Power, Energy, and Transportation Technology

Where: Onsite

Prerequisite: None

Students will explore the technologies that we interact with everyday. We will learn about some of the history of where we get our energy and how we get around, what powers our world today, and what the power, energy, and transportation in our world will look like tomorrow.

TEC 118 Alternative Energy

Where: Onsite

Prerequisite: None

In this course you will learn about why alternative/renewable energy has become such a popular choice for new energy production. You will learn what makes an energy source renewable and what kinds of energy production are considered alternative. You will learn about what forces (societal, political and environmental) are driving us toward increased use of alternative energy. This class will give you an opportunity to construct a solar powered car and a solar oven. You will also work with wind turbine online activities to learn about the variables that go into the production of wind energy.

TEC 210 Principles of Engineering

Where: Onsite

Prerequisite: Introduction to Engineering

For students who have completed Introduction to Engineering, we will further explore the world of engineering. We will dig deeper, looking more into the physics and application of engineering.

TEC 211 Engineering and 3D Modeling

Where: Onsite

Prerequisite: None

Similar to Introduction to Engineering, but with a stronger focus on the 3D CAD (Computer Aided Drafting) program *SolidWorks*. Students will become proficient with the 3D modeling software, and even have more opportunities to use our 3D printer to be able to hold their designs in their hands.

TEC 212 Video Game Design

Where: Onsite

Prerequisite: None

Most all students have played them, but how many have really stopped and wondered what went into making them? In here, we will explore the video game industry, learn some basic programming concepts, and even work in teams to create their own video game, from the idea all the way to the packaging and production.

TEC 220 Manufacturing Technology

Where: Onsite

Prerequisite: None

Students will explore how things in our world are made. Almost everything you buy from the stores today is manufactured, but what exactly does it take to make the world around us?

TEC 314 Advanced Robotic Design

Where: Onsite

Prerequisite: Introduction to Robotic Design

For students who have already taken Introduction to Robotic Design, we will further explore the field of robotics. With a stronger emphasis on the robotic programming, we will continue designing and building to achieve different goals set out for the students.

Science

SCI 114 Astronomy

Where: Onsite

Prerequisite: None

In this course you will learn about the cosmos, our galaxy, our solar system and the possibility of life on other worlds. You will learn why you really are made of "star-stuff"

SCI 116 Geology

Where: Onsite

Prerequisite: None

In this course you will learn the principles of geology. The course will investigate minerals, rocks and the processes that form them. In addition, you will learn about plate tectonics, volcanism and the interior structure

of our planet. You will read a book about the man who first tackled a scientific understanding of how seashells could possibly be found high atop mountains and how in answering this question he was first to describe three of the most fundamental principles in geology.

SCI 118 Physical Geography

Where: Onsite

Prerequisite: None

SCI 212 Ecology

Where: Onsite

Prerequisite: None

In this course you will learn the fundamentals of ecology. The course will investigate plants, animals the interactions between them, habitats and how human activities impact them. You will read a book that is a fish story, a global whodunit, a courtroom drama, and a critically important ecological message all rolled into one. It is adventure on the high seas and in the courtroom and a tale of our dangerously over-fished oceans.

Social Studies

SOC 110 World History A

Where: Online and Onsite

Prerequisite: None

Presented through a "Time Machine" experience, students will travel back through time to visit previous civilizations, empires, important events and people that have shaped history and influenced our lives today. They will see connections from the past to the present, expand their vocabulary and learn about famous firsts. Students will have opportunities to do creative writing as they will have a "camera" with them on their journeys and will describe their "snapshots" of important events and people in two different types of formats. They will also "interview" the most influential people that they meet along the way. There is a strong emphasis on geography, so they will know the places they are visiting.

SOC 111 World History B

Where: Online and Onsite

Prerequisite: None

Presented through a "Time Machine" experience, students will travel back through time to visit previous civilizations, empires, important events and people that have shaped history and influenced our lives today. They will see connections from the past to the present, expand their vocabulary and learn about famous firsts. Students will have opportunities to do creative writing as they will have a "camera" with them on their journeys and will describe their "snapshots" of important events and people. They will also "interview" the most influential people that they meet along the way. There is a strong emphasis on geography, so they will know the places they are visiting.

SOC 210 American History 10 A

Where: Online and Onsite

Prerequisite: None

U.S. History 10A spans the time frame from 10,000 BC to 1789 AD. It includes major events such as the Paleo-Indian Migration, the voyage of Christopher Columbus, the settling of the English Colonies, and the American Revolution.

SOC 211 American History 10 B

Where: Online and Onsite

Prerequisite: None

U.S. History 10 B spans the time from 1789 AD to 1877 AD. This course includes major events such as the electing of our first President, the buying and exploring of new territories, the mistreatment of Native Americans, and, finally, the causes and effects of the American Civil War.

SOC 230 World Cultures

Where: Onsite

Prerequisite: None

Through readings and class discussions, this course examines a number of various cultures from around the world, including Venezuela, Brazil, India, China, Japan, Iran, Australia, and Africa. We view a number of films from each of these areas to understand some of their history, religion, geography, government, architecture and arts.

SOC 240 World Geography

Where: Onsite

Prerequisite: None

In this course you will learn the countries of the world, about cultural difference in regions around the world, plan and research the international trip of your dreams and prepare a PowerPoint of your "imagined" trip. You will learn about population growth (and decline) in the countries around the world and the challenges it poses to a country and the planet. You will learn about food from around the world and have the opportunity to sample different ethnic foods.

SOC 312 Economics

Where: Online and Onsite

Prerequisite: Junior Status

In Economics, we will investigate the complex world of decision making--mainly the decisions involved in allocating our scarce resources (time, money & possessions) and how to use them in the most efficient manner. We make many of these decisions each day in a variety of categories: consumer, saver, investor, worker, employer or government official. We will explore the complexities of foreign trade and the simplicities of a budget. With the study of Economics we will develop our "Real Life" skills--the skills to be a more conscientious consumer, a savvy investor, a smarter job seeker, and a more informed citizen of the world.

SOC 314 Special Topics in History

Where: Onsite

Prerequisite: None

SOC 320 Current Events

Where: Onsite

Prerequisite: None

SOC 330 Comparative World Religions

Where: Onsite

Prerequisite: None

The purpose of this course is to allow students to inquire into who we are as members of the family of man based on what Huston Smith calls "our wisdom traditions". We shall look into the six major "religions" in the world: Buddhism, Hinduism, Confucianism-Taoism, Judaism, Christianity, and Islam. We shall do so, not to

discover and dwell upon those dogmatic differences that separate us from each other, but to gain insight into those basic tenets we hold in common and to clear up misunderstandings that we might have about each other.

Primary Text:

Huston Smith's, *World Religions*, and John Renard's, *The Handy Religion Answer Book*, Documentary Films, and Guest Speakers.

This course will satisfy the requirements of either a Humanities credit, or an Elective credit.

SOC 410 American Government A

Where: Online and Onsite

Prerequisite: Senior Status

U.S. Government A is the study of the structures, processes, and issues of national, state and local government. The goal of this class is informed, responsible participation in political life by competent citizens committed to the fundamental values and principles upon which our American society is based. In the end, a free society must rely on the knowledge, skills, and virtue of its citizenry and elected officials. Knowledge is essential to the preservation and improvement of representative government.

SOC 411 American Government B

Where: Online and Onsite

Prerequisite: Senior Status

U.S. Government B concentrates on the role of the individual citizen as a participant in government. The student will examine his/her own core values and establish criteria by which he/she will be able to make responsible judgments as a citizen. A 15 hour service project, planned and carried out by the student, will be the culminating activity of the course.

So if you are interested in the world at large, and the basic connections & controversies between individuals; this is the class for you! I cannot wait to discuss the world we live in with all of you!

There will be films that need to be rented & those assignments will provide a selection of films to choose from. This is done to provide options for students/families based on ratings & local availability. Some films will have more options than others.