

# Marshall High School

## Course Descriptions

Please be advised that all curriculum offerings in this guide are offered contingent upon staffing and enrollment, and are not offered every year. Please consult with a counselor if there are questions about the academic courses offered, prerequisites, possible sequences, credits necessary for graduation, and post-high school plans.

### **ART**

#### **Art 1 – FA201SFA9T**

Grade: 9-12 Prerequisite: None

Credit: .5 Fine Art

Students will be introduced to the elements of art through various projects at the beginner level of art. Class will include daily sketchbook drawings, technique practice, and projects working with pencil, color pencil, watercolor painting, acrylic painting, and printmaking. No previous experience required.

#### **Art 2 – FA202SFA9T**

Grade: 10-12 Prerequisite- Art I

Credit: .5 Fine Art

Students will explore the deeper concepts behind elements and principles of art and design. Students will be encouraged to examine the process of creativity in order to create successful and interesting compositions. Projects will include drawing, painting, printmaking, and photo transfer images.

#### **Introduction to the Arts – FA100SFA9T**

Grade: 9-12 Prerequisite: None

Credit: .5 Fine Art

This course serves as a general introduction to all aspects of the visual arts, giving students exposure to a variety of studio disciplines, theory of aesthetics, art history and art criticism. Students will explore visual problem solving using the elements of art and principles of design.

### **BUSINESS – CTE**

#### **Banking & your Financial Future/CTE – BU541SFA9T**

Grade: 11<sup>th</sup> – 12<sup>th</sup> Prerequisite: Business math

Credit: .5 Career Tech

Banking and Finance courses provide students with an overview of the United States' monetary and banking systems, as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.

#### **Intro to Business & Entrepreneurship/CTE – BU407SFA9T**

Grade: 9<sup>th</sup> – 12<sup>th</sup> Prerequisite:

Credit: .5 Career Tech

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the U.S. economic system, small businesses, and corporate organizations. Introductory Business courses may also expose students to the varied opportunities in administration, accounting, management, and related fields.

**Advanced Entrepreneurship 2/CTE - BU423SFA9T**

Grade: Prerequisite:

Credit: .5 Career Tech

Entrepreneurship courses help students develop the knowledge and skills necessary to own and operate their own businesses. The course content typically covers topics from a number of fields: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, communication, information management, risk management, and strategic management. Several topics surveyed in Business Management courses may also be included.

\*Exploring Computer science - 10012 Exploring Computer Science courses present students with the conceptual underpinnings of computer science through an exploration of human computer interaction, web design, computer programming, data modeling, and robotics. While these courses include programming, the focus is on the computational practices associated with doing computer science, rather than just a narrow focus on coding, syntax, or tools. Exploring Computer Science courses teach students the computational practices of algorithm design, problem solving, and programming within a context that is relevant to their lives.

**Principles of Marketing/Marketing 1A, 1B /CTE - BU500SFA1T**Grade: 9<sup>th</sup> – 10<sup>th</sup> Prerequisite:

Credit: 1.0 Career Tech

Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include, but are not limited to, market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are sometimes covered as well.

**Business Marketing & Management/Marketing 2/CTE - BU501SFA2T**Grade: 11<sup>th</sup> – 12<sup>th</sup> Prerequisite: Marketing 1

Credit: Career Tech

Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include, but are not limited to, market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are sometimes covered as well.

**Advanced Marketing & Entrepreneurship 2/CTE - BU423SFA9T**Grade: 10<sup>th</sup> – 12<sup>th</sup> Prerequisite: Business 101

Credit: .5 Career Tech

Entrepreneurship courses help students develop the knowledge and skills necessary to own and operate their own businesses. The course content typically covers topics from a number of fields: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, communication, information management, risk management, and strategic management. Several topics surveyed in Business Management courses may also be included.

**LANGUAGE ARTS****Language Arts Core I**

Grade: 9-10 Prerequisite: None

**Section A: LA113SLA1**

Credit: .5 Language Arts

This course centers on a novel that the students have some power to choose student's choice. Students take the skills developed in section A to another level by working in groups to read, discuss, and record their analysis of the

novel. Students can expect to expand their knowledge of literary terms and keep a literary journal. At the end of the term, students will utilize technology to develop a book talk in order to share their learning over the course of the term.

**Section B: LA113SLA2**

Credit: .5 Language Arts

This course is designed to assist students in building skills in Reading and Writing. The class goals include: (1) Examine content and plot structure function in literature - exposition, rising action, climax, falling action and resolution. (2) Identify, describe and use the following literary devices: narration, symbolism, foreshadowing, setting, mood, tone, point of view, dialogue, and characterization. (3) Write in personal narrative and imaginative modes using a variety of forms to express ideas appropriate to audience and purpose.

**Section C: LA113SLA3**

Credit: .5 Language Arts

This is a debate course designed to demonstrate how strong debate skills can lead to strong argument writing skills! This course focuses on writing skills by guiding students through debate, argument writing, critical thinking, and research. Students will learn the vocabulary and skills necessary to become successful communicators. Central to the course will be the development of claims supported with evidence and discussed through commentary. Topics will cover a variety of current world issues.

**21<sup>st</sup> Century Literacy – LA144SLA1 / LA144SLA2**

Grade: 11 Prerequisite: LA Core

Credit: 1.0 Language Arts

The purpose of this course is to provide students with a variety of cultural and communicative opportunities. A literate student must be able to cooperate and adjust in an ever-changing society where technology and, therefore literacy, demand a wide-range of abilities and competencies. As students move between literary non-fiction and research, they will gain skills that will enable them to be critical thinkers. The skills practiced, analyzed, and evaluated in reading, writing, language, vocabulary, listening and speaking will prepare students to dynamically impact a 21<sup>st</sup> century world. Specifically, students will engage in building skills to evaluate writing, synthesize multiple sources, use evidence from a variety of technological mediums, and analyze reading for text-based questions.

**Contemporary Literature – LA142SLA1 / LA142SLA2**

Grade: 12 Prerequisite: Need for Essential Skills

Credit: 1.0 Language Arts & 1.0 Social Studies/Elective (2 Trimesters)

This senior course focuses in on reading and writing skills taught in LA Core 1 and 21<sup>st</sup> Century Literacy. Emphasis is placed on specific needs for students to demonstrate essential skills in reading and writing. Practice work samples for both areas will be a key component of this class. This course is taught as a companion with Mrs. Johnson's World Issues Studies Course. Students must participate in both and will have the opportunity to earn Social Studies and English/Language Arts credit based on showing proficiency through assessment. The combination of these courses will allow students to be exposed to a rich historical period and interact with the themes through reading, writing, speaking, and listening. These skills will help students meet the rigorous demand for critical reasoning in the 21<sup>st</sup> century.

**Film as Literature – LA502SLA9**

Grade: 12 Prerequisite: 1.5 Credits of ELA

Credit: .5 Language Arts

This class focuses on literature through viewing movies. Students will be required to be active participants in film viewings and discussion. Student writings will include their own reviews of films, analyses of the dramatic, cinematic, narrative aspects of films, and comparisons of literary works and their cinematic adaptations.

**Poetry – LA517SLA9**

Grade: 10-12 Prerequisite: 1.5 Credits of ELA

Credit: .5 Language Arts

This course offers students the opportunity to develop and improve their technique and individual style in a wide variety of poetic forms including haiku, ode, limerick, sonnet, and narrative. Format includes both rhyme and free verse, and focuses on creating imagery, incorporating figurative language and developing symbols. The emphasis of the class is on writing song lyrics and will include a brief introduction to guitar and how to set song lyrics to music.

### **Creative Writing- LA304SLA9**

Grade: 10-12 Prerequisite: 1.5 Credits of ELA

Credit: .5 Language Arts

In this course students will work on writing for self-expression and entertainment through the art of creative writing. Students will be challenged to try new and different approaches to writing both fiction and non-fiction in a wide variety of formats. They will workshop to compose their own pieces, look at other pieces to compare and draw inspiration from, and work to improve grammar and vocabulary.

### **Reading and Writing Strategies- LA220SLA9 1C**

Grade: 12 Prerequisite: Teacher Placement

Credit: .5 Language Arts

Reading and Writing Strategies is a class designed to provide support for students' skills in reading and writing. We will read and work with a variety of texts to gain reading strategies. We will work through the writing process to produce pieces of writing that meet common core state standards. The main goals for this course are to obtain reading and writing tools and skills to use beyond high school, fulfill essential skills requirements, and pass assessments required to receive Language Arts credit.

### **Reading Workshop – LA01067EL**

ELL students must be enrolled in this class.

Grade: 9-11 Prerequisite: Teacher Placement

Credit: .5 Elective

This course focuses on the skills students need to meet the essential skill in reading. Students will practice reading in a variety of genres, and engage in discussions related to the readings. Emphasis will be placed on the Oregon common core reading standards for Demonstrating Understanding and Interpretation..

## **Mathematics**

### **Foundations of Algebra – MA220SMA 1A,1B**

Grade: 9-10 Prerequisites: Teacher Placement

Credit: 1.0 Math (2 Trimesters)

This course focuses on developing basic algebra skills, and problem-solving ability. Students will build skills in working with data and graphs, proportions, solving equations and inequalities, graphing linear equations, and basic number theory.

### **Algebra IA – MA231SMA1**

Grade: 9 -12 Prerequisites: None

Credit: .5 Math

This trimester course covers solving, interpreting and graphing linear equations and systems of linear equations. This course also includes an introduction to functions (linear and non-linear) and function notation.

### **Algebra IB – MA231SMA2**

Grade: 9-12 Prerequisites: Algebra 1A or equivalent

Credit: .5 Math

This trimester course covers evaluating, interpreting, graphing and constructing quadratic and exponential functions. Students will also interpret data and use measures of center to summarize data.

**Geometry 1A, 1B - MA240SMA1 / MA240SMA2**

Grade: 9-12 Prerequisites: Algebra I or equivalent

Credit: 1.0 Math (2 Trimesters)

This course studies geometric figures and their properties. Topics include congruence and similarity of figures, transformations, area, surface areas, volumes, trigonometry, statistics, and probability.

**Financial Algebra 1A, 1B - MA259SMA1 / MA259SMA2**

Grade: 10-12 Prerequisite: Algebra and Geometry

Credit: 1.0 Math credit (2 Trimesters)

Financial Algebra combines algebraic and graphical approaches with practical business and personal finance applications. The class is designed to motivate students to explore algebraic thinking patterns and functions in a financial context as well as encourages students to be actively involved in applying mathematical ideas to their everyday lives.

**MTH 111 - Pre-Calculus 1A,1B,1C****MA330SMA1T, MA330SMA2T, MA330SMA3T**

Grade: 10-12

Prerequisites: Algebra II or Integrated Math 3 (Teacher placement)

Credit: 1.5 Math/4.0 COCC (3 Trimesters)

This college algebra course builds on the topics covered in algebra II. Students will continue to explore the relationship between complex functions and their ability to model real world situations. Topics include solving and graphing exponential, logarithmic, quadratic, and polynomial graphs.

**PHYSICAL EDUCATION/HEALTH****Health 1 - HE100SH19**

Grade: 9-10 Prerequisite: None

Credit: .5 Health

This is an introductory course. It will challenge students to analyze the current trends happening around them. Topics of study include: mental/emotional health, dealing with loss, drug, alcohol, and tobacco dependency, and sexual health. Lectures, writing, guest speakers, and community resources will help support the curriculum required for this class.

**Health 2 - HE101SH29**

Grade: 11-12 Prerequisite: Health 1 or teacher approval

Credit: .5 Health

This course builds upon the content learned during Health 1. Students will learn factual information that will prepare them to make decisions about their personal health. This course will cover the areas of nutrition, physical fitness, non-communicable disease, and substance abuse.

**PE I - PE100SPE9**

Grade: 9-12 Prerequisite:

Credit: .5 PE

This course is designed to provide physical fitness and coordination through learning lifetime activities and skills. Activities include soccer, volleyball, badminton, dance, pickle ball, basketball, football, tennis, softball, mat games, ultimate, golf and introduction weight training.

**PE 2 - PE101SPE9**

Grade 9 -12 Prerequisite:

Credit: .5 PE

This course is designed to provide physical fitness and coordination through learning lifetime activities and skills. Activities include soccer, volleyball, badminton, dance, pickle ball, basketball, football, tennis, softball, mat games, ultimate, golf and introduction weight training.

### **Outdoor Recreation – PE212SPE9**

Grade: 9-12 Prerequisite: None

Credits: 1.0 PE (2 period block)

Outdoor Recreation focuses on teaching, and making available to Marshall High School Students the many outdoor activities found in Central Oregon. Students will have the opportunity to learn how to Fly Fish, Tie Flies, go hiking, snowshoeing, and mountain biking. The Probabilities for activities are limitless. The goal for Marshall High Schools Outdoor Recreation class is to allow students to find an activity that they are passionate about and continue for the rest of their lives away from High School.

### **Yoga & Meditation – PE316SPE9T**

Grade: 9-12 Prerequisite: None

Credits: .5 PE

A basic and foundational practice focusing on posture, breath, alignment and beginning flow. A safe and supportive environment for beginners and experienced students. This class meets you where you are whether just beginning yoga, modifications and alignments are taught in an inspiring and encouraging way leading you to a wonderful experience of yoga. This a mindful, practice of peace and presence.

### **EMBRACE – HE133SH19T**

Grade: Prerequisite: None

Credits: .5 Health 1

E.M.B.R.A.C.E (Encouraging Mindful Behavior to Relay Acceptance Change and Empathy). In EMBRACE, you will work with fellow classmates to compassionately support one another, and the school at large, to improve the overall health for self and community. The class will include activities that promote self-esteem, building trust, and recognizing and working with diversity. Students will learn the process of participatory action research to actively investigate the greatest needs (i.e. prevention of suicide, drug dependence, bullying, abuse, anxiety, stress, body image disorders, media mayhem, unhealthy relationships), their causes, and their solutions. Students will gain training and skills that promote advocacy for acceptance, inclusivity, and mindfulness to create supportive and positive changes for a healthier environment. Embrace this opportunity to be a part of something unique.

### **First Aid/CPR/AED – PE400SEL9T**

Grade: Prerequisite: None

Credit: .5 Elective

Safety and First Aid courses provide specialized instruction in first aid techniques, cardiopulmonary resuscitation (CPR), relief of obstructed airways, and general safety procedures and behaviors. These courses may include such topics as an overview of community agencies and hotlines providing emergency care and information and opportunities for first aid and CPR certification.

## **Science**

### **Natural Resources 1A, 1B – SC260SSC91 / 2C260SSC92**

Grades: 9-10 Prerequisite: None

Credit: 1.0 Science (2 Trimesters)

This course focuses on how life interacts on our planet. An important emphasis will be placed on the impacts humans have on the planet with both living and non-living resources.

**Intro to Plant Science (Botany) – SC245SSC9**

Grades: 9-10 Prerequisite: None

Credit: .5 Science

This course explores the foundations of plant biology including photosynthesis, plant diversity, and identification with an emphasis on regional plants. Students will study functions and uses of plants.

**Intro to Animal Science– SC611SSC**

Grades:9-10 Prerequisite: None

Credit: .5 Science

This course will explore allow students to explore various phyla of animal with a regional focus. Students will compare and contrast function, behaviors, and adaptations of various animals and may be encouraged to learn through dissections.

**Anatomy & Physiology 1A,1B - SC220SSC1 / SC220SSC2**

Grades: 11-12 Prerequisite: None

Prerequisite: Animal Science

Credit 1.0 Science (2 trimesters)

This course is designed to help students considering a career in health services in fields such as nursing, medical/dental assistant, massage and physical therapy, chiropractic care, and even veterinary services. Students will begin with a foundation in medical terminology, then explore body part structure and function through instruction around body systems: skin, blood, heart, immune, respiratory, skeletal, muscular, nervous, sensory, urinary, endocrine, and reproductive. Dissection of cats may be included for comparative anatomy study. Students will also learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.

**Methods and Practice in Field Science -**

Grades (11-12) Prerequisites: Research and Design

Credit: 1.5 (3 trimesters)

In this course students will work collaboratively to identify and research local and global environmental issues. Students will design solutions to environmental issues and will create plans focused on having positive impacts on our earth system. This course is heavily focused on science in practice. Student will be working outside, in the lab, and in the classroom using scientific and engineering practices. A service learning component will be involved. Students will be working with community partners including local land management agencies to have real impacts on local ecosystems. This class is being offered as a dual credit with potential for a math credit (statistics) and an ELA credit (technical writing).

**Physics 1A – SC501SSC1T**

Grade: 11-12 Prerequisites: Algebra

Credit: .5 Science

This course introduces the general principles of physics and chemistry. Topics include measurement, motion, Newton's laws of motion, momentum, energy, work, power, and chemical principles. Upon completion, students should be able to demonstrate an understanding of the physical environment and be able to apply the scientific principles to observations experienced.

**Physics 1B – SC501SSC2T**

Grade: 11-12 Prerequisites: Algebra

Credit: .5 Science

This course continues the general principles of physics and chemistry. Topics include heat, thermodynamics, waves, sound light, electricity, magnetism, and chemical principles. Upon completion, students should be able to demonstrate an understanding of the physical environment and be able to apply the scientific principles to observations experienced.

**The Science of Engineering (Research Design) – SC309SSC9T**

Grades (11-12)

Prerequisites: None

Credit: .5 Science

This class focuses on students learning and utilizing science and engineering practices. Students will work collaboratively to design and implement short term research projects which are based in cross curricular science.

**Wilderness Survival/Outdoor Science – SC264SSC9T**

Grade: Prerequisite: None

Credit: .5 Science

You will fall in love with this exciting, hands-on, skills you will use for a life-time, eye opening, jaw dropping, practical class. We are going to use the outdoors as our classroom. That is why this class is so practical. There is a large Outdoor Survival and Wilderness First Responder section as well. Be ready for the Great Outdoors by learning the ins and outs of orienteering, outdoor adventure, survival training, how to start a fire or collect water in a survival circumstance. Bottom line, this course can offer you the assurance of knowing that you have the skills necessary to help save a life... maybe even your own!

**Social Studies****Social Studies Core 1 – SS106SWS1**

Grade: 9-11 Prerequisite: None

Credits: .5 World or United States History

Course content will cover both world and United States history from the Middle Ages through 1900. Regardless of what history credit you need (US or World) these Core classes will satisfy the requirement.

**Social Studies CORE 2 – SS106SWS2**

Grade 9-11 Prerequisite: None

Credits: .5 World or United States History

Course content will cover both world and United States history from 1900-1930's. Regardless of what history credit you need (US or World) these Core classes will satisfy the requirement.

**Social Studies Core 3 – SS100SWS3**

Grade: 9-11 Prerequisite: None

Credits: .5 World or United States History

Course content will cover both world and United States history from 1930's through present day. Regardless of what history credit you need (US or World) these Core classes will satisfy the requirement

**Twentieth Century History & Film – SS130SSS9**

Grade: 10-12 Prerequisite: None

Credit: .5 Social Studies

In this course students examine various events from history by viewing films and documentaries. Content of the films are analyzed to separate the history from the Hollywood. Students prepare projects and take tests revolving around the course content. Examples of content include the Holocaust, 9/11, conditions in Africa, culture of different decades, and ancient Roman history.

**World Issues – SS161SSS**

Grade: 12 Prerequisite: Junior/Senior

Credit: .5 Social Studies

This course is taught as a companion with Mrs. Thompson's Technical Writing course. Students must participate in both and will have the opportunity to earn Social Studies and English/Language Arts credit based on showing proficiency through assessment. This is a current events class with a global focus. We will go in-depth into current



crises by investigating the historical background that contributed to current situations and comparing different perspectives of the same events through examination of worldwide news coverage. We will engage in debates and discussions to explore ethical dilemmas and controversial political decisions. Students will read newspapers, watch video coverage of world events, and will do some investigative reporting of their own.

### **Government – SS110SGV9**

Grade: 11-12 Prerequisite: Grade 11/12

Credits: .5 Government

How does our government work? Can we affect our government? Is our government good or bad? In this class you will explore the answers to these questions and more. From the foundations of how our government came to be to how our government functions including how laws are made, to elections and the requirements to becoming a candidate to the challenges to the constitution today. You'll also have a chance to design your own government and defend it against the gauntlet of your peers.

### **Media and History - SS131SSS**

Grade: Prerequisite: None

Credit: .5 Social Studies

Students will learn and develop media literacy skills needed to be smart consumers of the media. Students are taught to think about what the media is, why the media behave the way they do, and how the society and media interact with each other.

### **US History NOW**

Grade: 12 Prerequisite: Junior/Senior

Credit: .5 Social Studies

This course is a survey of the second half of US History, covering roughly 1877 to the present, from Reconstruction through our present position. It fulfills both the requirements for 3 hours of college credit as well as the high school graduation requirement of United States History. Over the course of the semester, students will learn about the Gilded Age, the Progressives, World Wars I and II, the Great Depression, the Cold War, Vietnam, and the Gulf Wars.

In addition to the content areas mentioned above, upon completion of this course, students will be able to: Create an argument through the use of historical evidence, analyze and interpret primary and secondary sources, analyze the effects of social, political, economic and global forces that shaped the young United States, and understand the process of historical cause and effect.

### **Criminal Law – SS307559**

Grade: 11-12 Prerequisite: None

Credit: .5 Social Studies

Street Law is a one-semester elective course and is intended to provide students with an opportunity to study the legal, judicial, law enforcement, and corrections systems of the United States.

## **S.T.E.M. / Engineering**

### **Video Production/Screenplay – LA501SEL9**

Grade: 9-12 Prerequisite: None

Credit: .5 Elective

In this class you will write a script, film, edit, & produce your own movie, which you will then turn into a DVD. Equipped with a digital video camera, a tripod, and a computer with editing software, your team will make a fictional film and a public service announcement.

### **Electronics – SC520SSC9**

Grade: 9-12 Prerequisite: None

Credit: .5 Science

Learn about electricity as it applies to our daily lives. This class is a combination of written problem solving and hands-on application of techniques and skills involved in residential electrical. Students will learn the basics of residential electrical including wiring light switches, outlets, light fixtures, and more. This class will prepare students for an apprenticeship with an electrician. Use of hand tools requires parent permission.

### **Computer Programming 1/CTE - AA201SFA9T**

Grade: Prerequisite: None

Credit: .5 Applied/Fine Arts

Exploring Computer science - 10012 Exploring Computer Science courses present students with the conceptual underpinnings of computer science through an exploration of human computer interaction, web design, computer programming, data modeling, and robotics. While these courses include programming, the focus is on the computational practices associated with doing computer science, rather than just a narrow focus on coding, syntax, or tools. Exploring Computer Science courses teach students the computational practices of algorithm design, problem solving, and programming within a context that is relevant to their lives.

### **GPS/Tech Cartography - AA331SFA9T**

Grade: Prerequisites: None

Credit: .5 Applied/Fine Art

Geospatial Technology courses provide students with experiences pertaining to the study of geographic information systems (GIS), global positioning systems (GPS), remote sensing (RS), digital image processing simulator (DIPS), Geodesy, automated cartography (Auto-Carto), land surveying (LS), and navigation. These courses may use spatial analysis models and guidelines for integrating, interpreting, analyzing, and synthesizing geographic data, with a focus on both the implications and limitations of such technologies. Other topics may include interfacing with telecommunications and automated database management systems.

### **Drones - SC523SFA1T**

Grade: 10<sup>th</sup> - 12<sup>th</sup> Prerequisite: None

Credit: .5 Fine Art

Drone is a STEM project-based course designed to educate students about drone technology, drone assembly and maintenance, flight theory and applications of drone technology. The goal of this class is to prepare students for careers in the rapidly growing drone industry.

### **Advanced Drones - SC523SFA2T**

Grade: 10<sup>th</sup> - 12<sup>th</sup> Prerequisite: Basic Drones Credit: .5 Fine Art

Students will build on what they learned in Basic Drones. Students will also learn the basics of flight regulations in preparation to become a licensed UAS pilot. The goal of this class is to prepare students for careers in the rapidly growing drone industry.

### **Robotics - SC521SSC9T**

Grade: 10<sup>th</sup> 12<sup>th</sup> Prerequisite: None

Credit: .5 Science

This class is designed to teach the basics of robotics, including design, building, programming, and testing. Students will use Lego EV3 Mindstorm robots that include a processor, motors, sensors, and building parts to create robots that can complete specific tasks. Robotics is a fast-growing field with many job opportunities.

### **Advanced Robotics - SC524SSC9T**

Grade: 11<sup>th</sup> - 12<sup>th</sup> Prerequisite: Robotics

Credit: .5 Science

Advanced Robotics will build on what students learned in basic robotics. Students will use VEX Robots to teach students about engineering and engineering problem solving. They will be given introductions to the VEX Robotics Design System and while learning key STEM principles.

**Into to Computers – AA215SFA9T**

Grade: Prerequisite: None

Credit: .5 Applied/Fine Art

In this introductory course, students will become familiar with the basic principles of a personal computer, including the internal hardware, the operating system, and software applications. Students will gain practice in using key applications such as word processors, spreadsheets, and presentation software, as well as understanding social and ethical issues around the Internet, information, and security.

**Computer Science 1- AA218SFA9T**

Grade: Prerequisite: Into to Computers 1A

Credit: .5 Applied/Fine Art

This course builds on what was covered in Intro to Computers and introduces students to computer science concepts such as computer architecture, networks, and the Internet. Students use object-oriented programming, event-driven processes, modular computer programming, and data manipulation algorithms to produce finished software programs. They use the design process to create many programs by determining specifications, designing the software, and testing and improving the product until it meets the specifications. By the end of this course, students will have a solid foundation for further study in computer science.

**Game Design – AA222SFA9T**

Grade: Prerequisite: Intro to computers

Credit: .5 Applied/Fine Art

Video Game Design provides students with the opportunity to design, program, and create fully functional video games. The course will introduce basic programming and design skills that are essential to developing a video game. Topics covered are math, physics, level design, and computer programming. This course will instruct students on how to use problem solving in real world situations. Students will also learn the basics of programming structure and the software development life cycle.

**Engineering Design and Development – AA307SFA9T**

Grade: 10-12 Prerequisite: None

Credit: .5 Applied/Fine Art

Students design, build and test their ideas for a product or invention. Students will use the latest in technology to build their project. 3D printers, Laser cutters and more.

**CTE****Construction Tech 1A, 1B, 1C – AA905SFA1T, AA905SFA2T, AA905SFA3T**

Grade: Prerequisite: None

Credit: 1.5 Career Tech (3 trimesters)

Comprehensive courses provide students with basic knowledge and skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance.

**Construction Tech 2 – AA906SFA**

TBA

**Construction Tech 3 – TBA**

## **OTHER CREDIT OPTIONS**

### **Drivers Ed – MD206SEL9T**

Grade: Prerequisite: None

Credit: .5 Elective

Classroom Only courses provide students with the knowledge to become safe drivers on America's roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs).

### **Study Skills – MD315SEL9T**

Grade: Prerequisite: Counselor or teacher recommendation

Credit: .5 Elective

Study Skills courses prepare students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing.

### **Yearbook – LA334SEL9T**

Grade: 10-12 Pre-requisite: Teacher Approval

Credit: .5 Elective

In this course, students will produce the school yearbook. Each student will specialize in at least one area during the production of the yearbook: photography, copy writing, computer generated layout, desktop publishing, ad sales, and business management. Students will have the opportunity to complete writing and speaking work samples as needed.

### **Teacher Assistant – SA122SEL9T**

Grade: 10-12 Prerequisite: Teacher and Counselor Approval

Credit: .5 Elective

With teacher approval, students can serve as classroom aides. Tasks include grading papers, running errands, filing, classroom set up, photo copying, and other duties as assigned. Good attendance is a must. Student assistants are graded on a Pass/No Pass scale.

### **Main Office Assistant – SA117SEL9T**

Grade: 10-12 Prerequisite: Office Manager and Counselor Approval

Credit: .5 Elective

Because they work with the public, office assistants need good phone skills and the ability to politely greet and help visitors. They must be trustworthy and able to work independently. Good attendance and confidentiality are a must. Student assistants are graded on a Pass/No Pass scale.

### **Maintenance Assistant – SA118SEL9T**

Grade: 9-12 Prerequisite: Lead Engineer and Counselor Approval

Credit: .5 Elective

Included among the tasks of maintenance assistant are cleaning the cafeteria, clearing the campus of litter, and other special projects as assigned. Good attendance is must. Student assistants are graded on a Pass/No Pass scale.

### **Library/Media Assistant – SA119SEL9T**

Grade: 10-12 Prerequisite: Media Manager and Counselor Approval

Credit: .5 Elective

Included among the tasks of the library assistant are shelving books, organizing materials, and creating bulletin boards. Good attendance is a must. Student assistants are graded on a Pass/No Pass scale.

**Military Science- MI130SEL9T**

Grade: Prerequisite: Counselor Approval

Credit: .5 Elective

MS 121 introduces you to the personal challenges and competencies that are critical for effective leadership and communication. You will learn how the personal development of life skills such as cultural understanding, goal setting, time management, stress management, and comprehensive fitness relate to leadership, officership, and the Army profession. As you become further acquainted with MS 121, you will learn the structure of the ROTC Basic Course program consisting of MS 121, 122, 201, 202, Fall and Spring Leadership Labs, and CIET. The focus is on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies while gaining an understanding of the ROTC program, its purpose in the Army, and its advantages for the student.

**School to Career Credit Options****School to Career –**

Grade: 9-12 Prerequisite: None

Credit: .5 – 2.0 Elective

Do you have a job? Do you volunteer your time? Whether or not you are paid for your work, your efforts can lead to credit! In addition to tracking your hours, you will complete projects to earn up to 1.0 credit per year above the credits you earn in your classes. See Mrs. Jarrett for details about these opportunities.

**STC Field Experience: Makers and Entrepreneurship –**

Grade: 9-12 Prerequisite: None

Credit: .5 Elective

Over the course of 8 weeks, we will meet on Wednesdays after school to conduct a broad overview of local businesses, craftspeople, artisans, and entrepreneurs. We will visit local workshops, distributors, ateliers, and eateries to learn about their procedures and distribution. This rotation runs from October through November.

**STC Health Occupations – AA500SFA9T**

Grade: 11-12 Prerequisite: Teacher Approval

Credit: .5 Elective

This course provides an overview of the health care professions that include employment trends, continued education requirements, ethics, current health issues, job search strategies and the opportunity to gain HIPAA certification. Students are a part of the St. Charles Health Occupations Rotations, have classroom days, and create their own health/medical job shadow experience (veterinary, chiropractor, ophthalmology, physical trainer, nutritionist, etc) with their instructor. St. Charles Rotations will allow students to experience 10 different departments at St. Charles Medical Center in Bend (cancer, lifeflight, pathology, maternity, E.R., nursing, clinical lab, ICU, X-Ray, physical therapy, etc).

**STC Field Experience: Engineering –**

Grade: 9-12 Prerequisite: None

Credit: .5 Elective

Attend an eight-week course of visitations among various engineering disciplines; solar, architectural, geotechnical, civil, etc. All course time occurs on Wednesdays after school, so this is a perfect credit recovery option. Orientation, reflections, thank-you's, and final papers/project required. This rotation meets from February through May.

**STC Field Experience: Food Sourcing/Culinary –**

Grade: 9-12 Prerequisite: None

Credit: .5 Elective

Join us for eight weeks of visits to local farms, ranches, restaurants and Cascade Culinary Institute for learning about our local food sources/preparation and economy in the “Seeds to Plates” program. All course time occurs on Wednesdays after school, so this is a perfect credit recovery option. Orientation, reflections, thank-you's, and final papers/project required. This rotation meets from April through early June.

Wilderness Expeditions.

### **Advancement Via Individual Determination (AVID) – MD220SEL/MD220SFA2**

Grade: 11-12 Prerequisite: Application/Teacher Approval

Credit: 1.0 Elective/1.0 Careers (year-long)

AVID is an academic elective course that prepares students for college readiness and success. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by the AVID elective teacher, tutorial study groups, motivational activities, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth.

### **Careers 1- BU100SFA9T**

Grade: 9/10 Prerequisite: None

Credit: .5 Fine Art

The overlying theme of the course provides students the opportunity to uncover their own unique answers to three important questions: Who am I? What do I want? How do I get it? By exploring their own particular abilities, ambitions, and dreams, students learn not only how this knowledge can help them plan for a future career and successful life, but the importance of being able to read, write speak and compute well.

### **Careers 2 – BU101SFA9T**

Grade: 11 Prerequisite: None

Credit: .5 Fine Art

Introduction to Career Development, provides you with an opportunity to learn and develop the necessary skills to engage in life/career planning. This class will assist you in many areas of career development, from choosing a major and deciding on occupations to learning about resumes, interviewing, and job search strategies.

### **Careers 3 – BU102SFA9T**

Grade: 12 Prerequisite: None

Credit: .5 Fine Art

In Careers 3, students will gain self-awareness of interests, personality, life goals and values. A further understanding of educational career options will be reached. Students will research and match themselves with potential careers. They will then explore continuing education options, make decisions, set goals and plan for the future. Finally, students will complete all senior requirements for graduation, including the FAFSA, Promise Grant, OSAC and apply to a college/university.



