## Required Freshman Courses

### 1. Mathematics: Math is required for all freshmen. In order to take Geometry as a freshman, students must earn Algebra 1 credit with an A or B in middle school.

<table>
<thead>
<tr>
<th><strong>Course</strong></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra 1A/1B</td>
<td>is the first course in the general high school mathematics sequence for college preparation. Emphasis is placed on investigative thinking and application. Students will study the field properties of the real numbers, linear and quadratic equations, factoring, inequalities, rational expressions, theory of exponents, radicals, statistics and other unified topics.</td>
</tr>
<tr>
<td>Geometry A/B</td>
<td>is designed to help students understand deductive and inductive reasoning. Students will use investigative thinking and apply their discoveries to form theorems. Students are taught to relate the theoretical to the practical.</td>
</tr>
</tbody>
</table>

### 2. All freshmen are required to take Stem Physics and Health 1. These boxes have been checked for you.

### 3. Language Arts: Language Arts is required for all freshmen. You must select English 1 or English 1 Honors and check the box on your forecasting sheet.

<table>
<thead>
<tr>
<th><strong>Course</strong></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1A/1B</td>
<td>will move students towards meeting or exceeding Oregon graduation requirements in reading and writing through a comprehensive study of literature and writing. Students will read fiction and nonfiction from a variety of genres, and will learn to write three-part thesis-based analytical essays. Students will write in the narrative mode in formal and informal settings. In order for students to succeed in these areas, instructors will emphasize particular skill sets that will form the foundation for academic reading and writing.</td>
</tr>
<tr>
<td>English 1A/1B Honors</td>
<td>is designed for incoming freshmen who desire to pursue a rigorous course of study in English Language Arts. Students will explore novels, short stories, plays, nonfiction articles, vocabulary and writing through in-class study and independent reading. Students work to meet and exceed state proficiency standards to prepare for their next level of education.</td>
</tr>
</tbody>
</table>

### 4. Social Science: Social Science is required for all freshmen. You must select Global Geography or AP Human Geography and check the box on your forecasting sheet.

<table>
<thead>
<tr>
<th><strong>Course</strong></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Geography</td>
<td>introduces students to the study of geography by emphasizing the relevance of geographic concepts to human problems. Through the lens of the five themes of geography and areas of interaction, students will investigate global issues as a social science. Students will develop skills which allow them to better understand, analyze and ultimately participate in the global community. Students will investigate contemporary issues and historical events reflecting on their implications on international society. This approach encourages students to examine topics from an international perspective and better recognize and understand patterns of human behavior. By thinking critically, analyzing information independently and discussing issues intelligently, students will demonstrate a contextual knowledge of geography.</td>
</tr>
<tr>
<td>AP Human Geography A/B/C</td>
<td>is a yearlong, advanced-level course that allows students the opportunity to earn college credit in Human Geography. Students are expected to work at an accelerated pace to prepare for the AP exam in May. The purpose of this Advanced Placement course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of the Earth's surface. Human Geography is the study of numbers, density, distribution and features of people and their settlements, culture, habits and activities and works. Students employ spatial concepts and landscape analysis to understand human social organization and its environmental consequences. In addition, students learn about the methods and tools geographers have used historically and today's modern methods in the science and practice of geography.</td>
</tr>
</tbody>
</table>
5. **Physical Education**: PE is required for all freshmen. You **must select one** of the following PE courses and check the box on your forecasting sheet.

- **Fitness Sports and Recreation (FSR)** is a general Physical Education class. Cardiovascular endurance, muscular endurance, muscular strength, flexibility and body composition are the five components of fitness and will be addressed in the fitness portion of this course. Team sports such as basketball, football, volleyball, soccer, etc. will emphasize team cooperation and competitive play. Individual sports such as tennis, badminton, golf and backyard games will encourage fair play and friendly competition. The overall goal of this course is to expose students to a variety of physical activities and the desire to continue them for a lifetime.

- **Personal Fitness** will offer a non-competitive approach to personal fitness. Students will learn components of fitness, nutrition and low-impact activities. Students will develop a personalized plan to help achieve fitness goals.

- **Introduction to Strength and Conditioning** is for students looking to improve all 10 general physical skills (GPS): cardiovascular, stamina, strength, flexibility, power, speed, coordination, agility, balance and accuracy. Students will learn basic lifting techniques for free weights as well as Olympic lifts. Workouts will be in the weight room and in the mat room, gym and outside. Workouts are constantly varied and fun. This course is designed with the student-athlete in mind.

6. **Electives**: Select 8 elective courses from the course offerings below. Number your choices on your forecasting form with 1 being your first choice and 8 being your last choice.

### Agriculture

- **Agriculture Shop Skills A/B** is designed for students interested in basic skills working and constructing metal, wood and concrete. The purpose of this course is to instruct students on basic and advanced skills in the area of shop and home construction and repair. This includes skills in hand and power tools, woodworking, plumbing, electrification, welding, tool sharpening, concrete and masonry finishing.

- **Agriculture Mechanics 1A** is a continuation of Agriculture Shop Skills. This course explores the skills needed to work in wood, metal and concrete. Instruction will include hand and power tools, woodworking, plumbing, electrification, welding, tool sharpening, concrete and masonry. Additionally, students will learn principles of engineering and power technology related to the agriculture industry, including power, electrical, hydraulic and mechanical systems. **Prerequisite: Agriculture Shop Skills A/B**

- **Floral and Nursery Operation A** teaches a student what it might be like to be employed in a floral shop. This class teaches students how to take phone orders and work with customers. Students learn how to make floral arrangements for all occasions including weddings and funerals. They also learn how corsages and boutonnieres are constructed. The care, flowers, handling, display and storage of cut flowers will be covered. If you would like to learn more about the exciting world of floral design, this class is for you.

- **Introduction to Agriscience** is an introductory course in agriculture. It covers fundamentals in the following six areas: orientation, leadership, supervised experience programs, animal science, plan and soil science, agriculture mechanics and agricultural business.

- **Landscape Design & Maintenance** Students will proficiently demonstrate an understanding of landscape design and all aspects of maintenance and upkeep, the management and skills necessary to perform tasks essential in various stages of plant, turf and irrigation installation, pruning and general seasonal tasks. These include annual and perennial selection, turf-grass selection, integrated pest management, safe tool and equipment use and basic landscape budgeting. In addition, students will proficiently demonstrate basic leadership and business skills related to the landscaping industry.
RHS 9th Grade Forecasting Guide

Automotive

- **Introduction to Auto/Small Gas Engines** is the preamble to basic knowledge, skills, procedures and safety measures needed to build a foundation for the intermediate and advanced automotive technology courses. Students learn how to operate basic hand, power and lifting tools, as well as measuring instruments and devices used by automotive technicians. The first part of this course will prepare students to apply technical knowledge and skill to maintain and repair small internal-combustion engines. The second part of this course will provide students with an overview of automotive quick services and new/used vehicle preparation. The course covers multi-point vehicle inspections, preparing estimates, changing fluids and filters, proper hazardous waste disposal, minor electrical repairs and road-testing techniques. Students will learn and improve the math, science and writing skills required as an automotive technician. This course will prepare students for Automotive Technology 1.

- **Basic Car Care A/B** teaches students to perform basic auto maintenance and repair tasks on their own, such as fixing flat tires, changing oil and maintaining a vehicle. A practical approach to saving money and time, this course also gives students the confidence to discuss complex auto problems and to diagnose and fix problems they may encounter with their own vehicles. Students do not need to have a vehicle to be in this course. All car repairs will be done in consultation with the teacher and repairs will be done for the purpose of instructing others in the class.

AVID Elective

- AVID – Advancement Via Individual Determination A/B courses encourage students to pursue college readiness (and eventual enrollment). Typically, the courses offer activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary and be motivated to aspire to college education.

Business

- **Marketing A/B - Creative Strategy** students will learn about digital marketing, including identifying target markets, social media marketing and campaign planning. This is a project-based class where students will work in teams to create marketing materials and plans. Students will come away with a broad understanding of marketing and a lot of practice planning marketing strategies. All students enrolled in Marketing – Creative Strategy will be eligible for and encouraged to participate in FBLA.

- **Graphics and Design** students will focus on the graphics and design components of marketing. This will include digital marketing, advertising and website design. Students will learn the application of art, graphics and creativity through the Adobe Suite. All students enrolled in Marketing – Graphics and Design will be eligible for and encouraged to participate in FBLA.

- **Personal Finance** students will learn skills and tools necessary to build financial security. Students will develop knowledge and skills on how to buy a car, how to build financial security including retirement, how to manage their credit score, banking, budgets, taxes and more. This is a project-based class where students will learn skills and have the opportunity to practice those skills. The course is based on the premise that each student needs to have a solid foundation of knowledge in financial management in order to build financial security and protect themselves from financial pitfalls.

Computer Science

- **Exploring Computer Science** students will learn about making web pages, designing programs, designing and controlling devices, learning what artificial intelligence is, understanding how data is captured and used, how technology affects your life experiences, how technology influences society and how to create new technology instead of being consumed by others’ creations.
### IT Essentials
Students who select this course will learn to describe the internal components of a computer, assemble a computer system, install operating systems and troubleshoot them using software tools and diagnostics. Students will also be able to connect to the Internet and share resources in a networked environment. This course covers the fundamentals of computer and mobile device hardware and software and advanced concepts such as security, networking and the responsibilities of an IT professional.

### Construction

**Construction Technology 1A/1B** is an activity course providing students with the knowledge and skills needed to safely operate the tools and machines related to construction. Students will get the opportunity to learn about tool safety and apply that knowledge while building a variety of projects. In addition, students will be exposed to OSHA standards and laser technologies used in the construction field.

### Language Arts Elective

**Speech and Debate** provides the opportunity to gain fluency in the essential skills required for oral communication and rhetoric. Students gain an understanding of basic public speaking and debate techniques through reading and viewing effective speeches and an introduction to rhetorical strategies. Students will research, write and present their own expository, demonstrative, persuasive and impromptu speeches. In addition, students will prepare and perform dramatic readings in poetry, prose or drama. Students will practice communication skills including delivery techniques, dealing with stage fright, reading an audience, listening and critiquing.

### Manufacturing

**Introduction to Computer Aided Design (CAD)** teaches students to create, use, edit and combine 2D and 3D graphics and art technology using Solidworks, for CAD drawings, CNC machining, 3D printing and various other types of technology. This class is a highly creative, visually exciting class and is for a wide variety of students interested in creating technology. The goal of this course is to teach students how to use Solidworks mechanical design automation software to build parametric models of parts and assemblies and how to make simple drawings of those parts and assemblies.

**CAD/CAM 1A/1B** students will learn advanced Solidworks applications and be introduced to basic Mastercam toolpaths. Within this framework, basic machining operations will be taught, including manual mill, manual lathe, 3D printing and laser operation. Students will also explore local industry through regular tours, guest speakers and internship opportunities. This is the first of a two-year course cycle, to be followed by Manufacturing and Engineering 2. Completion is required for Panther Tech eligibility. Required course for students earning the Redmond Certificate of Manufacturing Technology (R-CoMP). **Prerequisite:** Introduction to Computer Aided Design

**Welding 1A/1B** is designed for students interested in basic welding and fabrication including a safety course for all types of welding and metalworking equipment: orientation, a safety test, learning various types of welds and how to apply them, project planning, project approval and then designing and building an approved project of their choice.

### Marine Corp JROTC

**Marine Corps JROTC Leadership Education** program is designed to develop leadership skills, personal responsibility, civic mindedness and instill a sense of service to the community. There is no obligation to join the military. MCJROTC prepares high school students with the basic life skills to succeed at any endeavor they choose to pursue. The class/program combines academic achievement, rewarding opportunities and the
practical application of life skills. Students are required to participate in weekly physical training. Drill and marksmanship are an integral part of the class. Uniforms are required to be worn one day each week at no cost to the student. Cadets must abide by the grooming standards required to wear the uniform. Cadets can earn 0.50 physical education credit and 1.5 elective credit for completing one full school year. PE and elective credit graduation requirements are satisfied for successfully completing four years of MCJROTC class.

### Music

- **Concert Choir – Voice 1 & 2 A/B/C** students must be committed to the performance of serious concert choir literature. Students must attend numerous performances, including at least four evening concerts. Students may also have the privilege of traveling to a festival, competition or choir tour. Students will also be given the opportunity to audition for various individual solo/choro competitions held throughout the Northwest. Cost of choir apparel will be determined at the beginning of the school year. Students may need to pay for and/or raise funds for a choir trip to an approved choir festival.

- **Symphonic Band A/B/C** will provide the student with an increasing knowledge, attitude and technical ability to participate in high school-level performance groups. Students in symphonic band can expect to enjoy music through active participation. The emphasis of the class will be on continuing to develop instrumental techniques and sensitive ensemble playing. Students will also learn more about music theory, history, and a variety of music literature. Performance opportunities will include concerts, festivals, solos, ensembles and selected athletic events. *Instrumental rentals are $25 per trimester.* Prerequisite: Previous band experience, instructor approval

- **Jazz Ensemble A/B/C** is an upper-level performing group devoted to the student and performance of jazz styles of music. Students will study various scales and chord structures with individual improvisation in mind. Time will be devoted to developing appropriate interpretation skills for different types of "big band" jazz: ballads, swing and blues. Students will learn skills and develop attitudes that they will find useful in recreational and professional endeavors. *This is an early-bird class only.* Prerequisite: Instructor approval, enrolled in other instrumental classes

- **Wind Ensemble A/B/C** provides students with advanced knowledge, attitude and technical ability to participate in high school-level performance groups. Students in Wind Ensemble can expect to enjoy music through active participation. Membership generally will be sophomores through seniors, but may include freshmen. Membership is also through the demonstration of advanced musical ability. The class emphasizes the continued development of instrumental techniques and mature ensemble playing. Students will learn to communicate to the audience through advanced mastery of performance skills. Students will also learn more about music theory, history and a variety of music literature. Performance opportunities will include concerts, festivals, solos, ensembles and selected athletic events. *Trimester 2 activity fee: $75. *Prerequisite: Previous band experience, instructor approval, maintain academic eligibility

### Social Science Elective

- **World Religions** is often a subject not talked about in school, but the truth is that religion comprises a fundamental and important part of the world we live in historically, socially, culturally and politically. Nearly every culture in the world possesses faith in some sort of religious belief. Understanding the background of religion and the role religion plays in society helps in piecing together the complexity of many world issues. The types of religions and beliefs in the world are countless, therefore, the class will examine the foundations and reasons why religions exist. The class specifically studies beliefs and backgrounds of Judaism, Christianity, Islam, Hinduism and Buddhism. In this course, students will explore and understand the diversity of beliefs in the world. *Elective credit*
RHS 9th Grade Forecasting Guide

**Theatre**

- **Introduction to Theatre: Acting** students learn confidence in their ability to perform through a variety of acting styles, time periods, play structure, improvisation and ensemble (team) building. This is the perfect class for those wanting to conquer stage fright and build self-confidence in a safe, fun, non-threatening environment as well as for those with prior experience who want to build on skills.

- **Introduction to Theatre: Technical Theatre Workshop** is designed for students who like to envision, design, build and promote theatrical performances. The class introduces students to all aspects of technical theatre and business: set, lights, costumes, makeup and publicity.

- **Theatre in Performance** students will work as an ensemble to produce a play for the public approximately one hour in length. Students will be knowledgeable of the language and protocols unique to theatre environment, performing specific job duties (acting and/or technical) while immersed in the creation and execution of a theatrical production. While the majority of rehearsals will occur in class, students must be prepared to devote significant out of class time to the memorization and preparation of their roles and/or to their production responsibilities. Students must also commit to several Saturday and evening rehearsals, particularly during “tech week.” This course is ideal for the dedicated, passionate theatre student eager to commit to a fully-rendered production experience. **Prerequisite: Introduction to Theatre: Acting**

**Visual Art**

- **Art 1: Design** is an introduction to art through multimedia experiences. Students will learn and apply the elements of art (line, shape, texture, value, color, space and form) and principles of design (balance, variety, emphasis, contrast, repetition and proportion/scale, unity) to produce creative projects that reflect their understanding of these concepts. Students will explore, discuss and create art within a variety of subjects, artist’s cultures, styles and media. Possible media areas include drawing, painting, collage, sculpture, pottery and contemporary crafts. Gained design knowledge, technical skill and creative engagement will prepare students for their next art experience.

- **Art 2: Drawing and Painting** is a study of drawing and painting, with emphasis on drawing. Concentration will be on the realistic rendering of forms and composing pictures. Drawing instruction focuses on contour drawing, perspective, value shading and color drawing. Painting will have similar rendering goals and include color theory and painting techniques, as well. In addition to studio projects, students will examine and discuss art from different cultures and history to develop an awareness and appreciation for technique, style, influences and expression. Possible media areas may include pencil, colored pencil, charcoal, pen and ink, watercolor, tempera and acrylic paint. While there are some set focuses on subject and media, each time this course is offered, projects will vary allowing students to repeat the course to grow their skills and experiences. **Prerequisite: Art 1**

- **Interdisciplinary Arts: Art and Wellness** contains drawing, painting and sculpture assignments will be completed with a focus on wellness thus helping students to identify and regulate their emotions, develop character and reinforce a growth mindset. Additionally, this course will teach the process of art-making in a way that simultaneously encourages students to develop life skills. The abilities to compost failure, problem solve and express oneself are relevant to art and career readiness and forms of adulation. Students will participate in breathing, gentle movement and meditation exercises in order to tap into a grounded, imaginative mindset while building greater self-awareness and creative skills as they develop art skills.

- **Ceramics 1** is an entry-level ceramics class that teaches students the basics of creating three-dimensional pottery and sculpture out of clay. Students will learn basic hand-building methods including pinch, coil and slab construction. They will also learn how to create pottery on the potter’s wheel including bowls, vases and mugs. Basic properties of clay, care of projects, glazing and firing will also be covered.
World Languages

**Spanish 1A/1B** is designed for students who have had no exposure to the Spanish language and who have the desire to explore the Spanish-speaking world. The fundamentals of listening, speaking, reading and writing in the Spanish and English languages will be taught. Students will have the opportunity to demonstrate knowledge learned in a variety of assessment formats. Students will also reflect on how learning a foreign language affects them as a global citizen. In order to succeed, students will be required to participate in practice activities inside and outside the classroom. Spanish culture, history, and geography will also be studied. The Latin-American form of Spanish is emphasized.

**Spanish 2A/2B** expands the skills of Spanish 1 with continued emphasis on all four modes of communication. The study of Spanish culture, history and geography continues. Communication in past and future tenses will be introduced. Students will have the opportunity to demonstrate knowledge learned in a variety of assessment formats and will continue to reflect on how learning a language affects us as global citizens. In order to succeed, students will be required to participate in practice activities inside and outside of the classroom. *Prerequisite: Students must pass Spanish 1A/B with an A or B in middle school or pass a proficiency exam to take this course.*

**French 1A/1B** is designed for students who have little or no exposure to the French language and who have the desire to explore the French-speaking world. We will begin to learn the fundamentals of listening, speaking, reading and writing French. Emphasis is on using the language in conversation. Students will have the opportunity to demonstrate knowledge learned in a variety of assessment formats. Students will also reflect on how learning a foreign language affects them as a global citizen. Study of French-speaking cultures, history and geography will also be studied.