## Required Senior Courses

### 1. Mathematics: Three credits of math are required for a standard diploma and four credits are required for the university diploma. If you have met your required math credits, you may opt out of math by checking the box on the form. Otherwise, you may choose from the following options if you have met prerequisites. Math teachers will make recommendations for placement in math courses, as well. If you have questions about your placement for next year, please check with your math teacher or counselor.

- **Algebra 2A/2B** is a college-preparatory course. Students who plan on going into fields involving mathematics – family and consumer studies, business, science, computer science and engineering – should take this course. Topics include functions, linear and quadratic relations, systems, radical, polynomials, exponential and logarithmic functions. *Prerequisite: Algebra 1 and Geometry

- **Financial Algebra A/B** will blend the use of algebra with real-life applications like finding employment, finding a place to live, planning a vacation, understanding banking and investments, learning about consumer credit, how credit cards work, knowledge of owning a car from a financial perspective, how taxes work and knowledge of the stock market. *Prerequisite: Algebra 1 and Geometry

- **CN Pre-Calculus A/B** is an investigation of topics that are used in the study of calculus. Pre-Calculus consists of two separate courses: college algebra and trigonometry. In college algebra, students study equations and graphs of linear, quadratic, polynomial, rational, exponential and logarithmic functions. In trigonometry, students study theoretical and real-world implications of the trigonometric functions. Solving problems analytically, numerically and graphically is emphasized in both courses. *Prerequisite: Geometry and Algebra 2 with C or higher

- **AP/CN Elementary Statistics A/B/C** investigates probability, descriptive and inferential statistics. Topics include the distribution of numerical and graphical data, normal distribution, sampling distributions, confidence intervals, linear regression and hypothesis testing with one and two populations. This 3-trimester course involves the use of technology including a TI graphing calculator. *Prerequisite: Geometry and Algebra 2 with C grade or higher

- **AP/CN Calculus A/B/C** investigates probability, descriptive and inferential statistics. Topics include the distribution of numerical and graphical data, normal distribution, sampling distributions, confidence intervals, linear regression and hypothesis testing with one and two populations. This course involves the use of technology including a TI graphing calculator. This is a three-trimester course. *Prerequisite: CN; Pre-Calculus with C grade or higher

### 2. Science: Three credits of science are required for a standard diploma. Four credits are required for the university diploma. You may opt out of science if you have already earned the required science credits. You may take additional science courses on the forecasting form for elective credit.

- **Anatomy and Physiology 1A/1B** is a two-trimester science elective that examines the structure and function of the human body utilizing a systems approach. The course emphasizes body organization, cells, tissues, microscopic and gross anatomy along with the functional roles of the integumentary, skeletal and muscular systems, nerve cells and tissue. Concurrent labs may include hands-on or virtual dissections of a variety of tissues and organs. This course may include animal dissection and possibly even cadaver observation. *Prerequisite: Successful completion of STEM science sequence

- **Forensic Science A/B** allows students to study how crimes are solved using the scientific method. Topics covered include fingerprinting, hair analysis, forgery, blood spatter analysis, DNA evidence, bullet comparisons, looking at skeletons to determine age, race, gender, cause of death and many more exciting topics. This is a two-trimester course. *Prerequisite: Completion of STEM science sequence

- **Advanced Placement Biology A/B/C** includes an advanced look at biological concepts with a special emphasis on biochemistry, molecular genetics, evolution, cytology, ecology and physiology of animals. This is an excellent college level course for those planning to pursue a medical or other biologically related career. Completion of this course will cover the labs and topics necessary to successfully pass the College Board Advanced Placement Biology test for college credit. This is a three-trimester course. *Prerequisite: Successful completion of Stem Chemistry with C or better and Algebra 2A/2B
3. **Language Arts:** One credit (two trimesters) of Language Arts is required for all seniors. You **must select** an A/B, A/B/C or 2 one-trimester courses. You may opt out of English **only** if you have already met the four-credit requirement.

- **English 4 A/B.** This two trimester course will prepare students for 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 continue to write three-part thesis-based analytical essays, as well as formal and informal narrative essays. In order for students to succeed in these areas, instructors will re-emphasize the skill sets of academic reading, writing, grammar, spelling and punctuation that are the cornerstones of success.

- **Advanced Placement Literature and Composition A/B/C** engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen understanding of the ways writers use language to provide meaning and pleasure for their readers. As they read, students consider a work’s structure, style and themes, as well as smaller-scale elements such as the use of figurative language, imagery, symbolism and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. *This is a three-trimester course.*

- **Advanced Placement Language and Composition A/B/C** encourages students to read and write prose at the university level. Students enroll in AP Language and Composition for three terms, during which they will encounter a breadth of texts, fiction and nonfiction, centered around the concept of human rights. The three terms will focus on overarching themes of life, liberty and the pursuit of happiness. Within each of the terms, students will read, think and write about the arguments that all linguistic and visual texts make. Studying these texts will alert students not only to the role of writer/artist, but also to the role of the audience in all textual interactions. *This is a three-trimester course.*

- **Writing 121/122** are college-level writing courses designed to develop and enhance students’ writing skills, critical-thinking abilities and communication competencies. Through various writing assignments and activities, students will learn to articulate ideas effectively in various modes, analyze texts on a variety of levels, develop strong use of language and engage in the writing process. This course aims to foster the development of strong writing foundations for many academic and professional contexts. Writing 121 and Writing 122 are two separate courses that may be taken sequentially. Students must complete writing 121 in order to take Writing 122.

4. **Social Science:** Government or AP Government is required for all seniors. You **must select** Government (1 trimester) or AP Government (3 trimesters) and check the box on your forecasting form.

- **United States Government** is a practical, hands-on course involving students with law-related education, political participation and a detailed critical analysis of the framework of our American government. Students will explore our political system through classroom study and active participation outside the normal school setting. This course will focus on the basic structures of our government including the executive, legislative and judicial branches at the local, state and federal level. The foundations of our government and an analysis of the policies of American democracy will be explored. Time will be spent exploring rights, responsibility and citizenship. A major part of the course will be discussion and analysis of the current issues facing the nation today.

- **AP/CN Government A/B/C** studies the key concepts and institutions of the political system and culture of the United States. Students will read, analyze and discuss the U.S. Constitution and other documents, as well as complete a research or applied civics project. This is a three-trimester course. **Prerequisite:** Successful completion of AP US History A/B/C or teacher recommendation.
5. Physical Education: You **must** select a course if you have not completed 1.0 PE credit. You **may** select PE courses as electives if you have already met the requirement.

- **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.

- **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 that 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.

- ** Unified Sports** requires students to be motivated, self-disciplined and kind-hearted individuals while serving as mentors. Mentors learn to work with individuals with special needs through daily workouts and activities. Mentors are expected to be responsible individuals that will help support the needs of others at all times. *Application and teacher approval required to take this course*

- **Introduction to Strength and Conditioning** course 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, the mat room, gym and outside. Workouts are constantly varied and fun. This course is designed with the student-athlete in mind.

- **Strength and Conditioning** is an intermediate course for students to continue improving the 10 general physical skills (GPS): cardiovascular, stamina, strength, flexibility, power, speed, coordination, agility, balance and accuracy. Students will build upon the basic lifting techniques in the foundational barbell and kettlebell lifts, learn more advanced lifts/techniques, as well as an increased variety of auxiliary movements. Workouts will be in the weight room, the mat room, gym and outside. Workouts are constantly varied and fun. This course is designed for the student-athlete, as well as any student with an increased interest in fitness and working out.*Prerequisite: Intro to Strength & Conditioning or instructor approval

- **Advanced 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 some Olympic lifts. Workouts will be in the weight room, the mat room, gym and outside. Workouts are constantly varied and fun. This class will encourage students to get in shape and challenge themselves. *Prerequisite: Introduction to Strength or teacher approval based on documented weight room experience.

5. **Credit Recovery:** If you have not failed any courses, skip this section. Look at your student course history or transcript and check the box on your forecasting form for any of the following classes you have failed and not yet made up.

6. **Electives**: Select eight (8) elective courses from the course offerings below. You will number your choices on the forecasting form with 1 being your first choice and 8 being your last choice. You may use the back page of the packet to make notes about your selections.

You are expected to take the elective courses for which you forecast. There will be no schedule changes allowed. Choose wisely!!!

An asterisk (*) means prerequisites are required. Check your transcript to make sure you have taken the required prerequisite course.

### 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. This is a two-trimester course.

- **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**

- **Agriculture Mechanics 2A** is a continuation of Agriculture Mechanics 1. This course explores principles of engineering and power technology related to the agriculture industry, including power, electrical, hydraulic and mechanical systems. In learning to apply basic industrial knowledge and skills (engines, power, welding and carpentry, among others), students may explore a broad range of topics including the operation, mechanics and care of farm tools and machines and the construction and repair of structures integral to farm operations. The course provides an introductory review of electricity and power and covers safety procedures. **Prerequisite: Agriculture Shop Skills and Ag Mechanics 1A**

- **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 of 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 A/B** 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.

- **Food Safety & Science A/B** is a specialization course in the agriculture program of study. Students will complete hands-on activities, projects and solve problems that simulate actual concepts and situations found in the food science and safety industry, allowing students to build content knowledge and technical skills. Students will investigate areas of food science including food safety, food chemistry, food processing, food product development and marketing. **Prerequisite: Introduction to Agriscience**

- **Animal and Equine Science A/B** focuses on the health and welfare of horses, livestock and domesticated animals. Discover how domesticated animals influence and impact our daily lives. Explore the domestic animal from a medical perspective and learn the practices needed to prevent and cure disease. This is a science-based class that focuses on the biology of the animal including anatomy, nutrition, health and disease, as well as reproduction and genetics. Students will develop skills related to the care and welfare of animals, while exploring food safety and marketing practices of agriculture commodities. We take a hand-on, practical approach to develop skills in proper animal handling, disease diagnosis and basic veterinary care. Students will learn skills in animal selection, management, business and leadership that will be useful in future career choices. **Prerequisite: Introduction to Agriscience**
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- **Introduction to Veterinary Medicine A/B** will introduce students to the professional field of veterinary medicine. Blue Mtn. 3 credits STBD (after completion of Animal/Equine Science and Intro to Vet Med). *Prerequisite: Animal and Equine Science A/B*

- **Greenhouse Management and Operation** will introduce students to the rewarding career of horticulture science. Students will study horticulture science, nursery science, foliage and flowering plants within the 20- x 50-foot greenhouse. Hydroponics, the art of growing plants in a water culture, will be taught. *Prerequisite: Introduction to Agriculture or Floral and Nursery Operations A*

- **CN: Agriculture Business & Leadership**: Entrepreneurial, Accounting/Bookkeeping, Leadership A/B/C students will develop skills in leadership and teamwork and explore ag issues. Three college credit units available. *Prerequisite: 2.0 credits of Agriculture coursework*

- **Landscape Design & Maintenance** Students will demonstrate an understanding of landscape design and all aspects of maintenance and upkeep, the management and skills necessary to perform tasks in various stages of plant, turf and irrigation installation, pruning and 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 demonstrate basic leadership and business skills related to the landscaping industry.

### Automotive

- **Basic Car Care A/B** course 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 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 other students.

- **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.

- **Automotive Technology 2A & 2B** is the third course in the automotive technology series. This course offers intermediate studies for the NATEF/ASE MLR certification program. This NATEF/ASE MLR Automotive Technology Program is for students who demonstrated performance in Automotive Technology 1 and are planning a career in the automotive technology industry. Instruction will include engine performance, suspension and steering, drum, disc and power assist brakes, electrical/electronic systems battery service, starter, charging and lighting systems, computerized controls, fuel and air induction systems. Students will use equipment including tire machines, alignment equipment, brake lathes, wheel balancer, power and hand tools, volt/ohm meters, battery testers, battery chargers, vehicle lifting equipment, fluid exchange equipment, scan tools and lube equipment. Individualized instruction geared toward specialty careers will be emphasized and will facilitate the exploration of post-secondary learning. This course requires students to understand the importance of safety in the workplace. *Prerequisite: Basic Car Care or Intro to Auto/Small Gas Engines*

- **Automotive Technology 3A & 3B** is the fourth course in the automotive technology series. This course offers advanced studies for the NATEF/ASE MLR certification program. This NATEF/ASE MLR Automotive Technology Program is for students who demonstrated performance in Automotive Technology 2 and may be planning a career in the automotive technology industry. This course is also designed to provide detailed review and hands-on experience in all of the subjects covered in Automotive Technology 2, the NATEF task sheets and the ASE/MLR exam. The will prepare the student for the ASE/MLR exam and direct entry into automotive service or postsecondary education. *You must pass Auto Tech 2A & 2B before taking this course.*
### 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/Graphics and Design** 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, encouraged to participate in FBLA.

- **Business Communications** will teach students writing and composition through the lens of the professional or business environment. Audience consideration, office communications, business plans and expository writing will be featured. Additionally, this class will prepare students to write research papers and/or technical reports. Emphasis will be on researching (primary and secondary sources), organizing (material, thoughts and arguments), and writing in a persuasive or technical style. Successful completion of this course may fulfill .5 credit of English graduation requirements. **Prerequisite:** Marketing A/B

  **In addition to Business Communications, you must select at least one of the following courses.**

- **Business Leadership** students will develop and improve their business and leadership skills by completing a variety of business-related projects and activities. The leadership component of this class involves students (either individually or in small teams) managing and completing a project throughout the course in a self-directed manner. Leadership projects that students can choose from include the following: community service project, business plan, digital video production, E-business, graphic design, publication design, website design, business plan and others. Students may then choose to enter their business project in regional and state Future Business Leaders of America (FBLA) competitive events. The business-skills development component of this class involves students learning and/or enhancing various business skills such as document formatting, written and oral communication, marketing, business ethics know-how, organization skills, presentation skills, entrepreneurship, management and information technology. Many of these business skills will be accomplished through the student's involvement in earning his/her business achievement award(s).

- **Sports Marketing** is a class where students will have the opportunity to operate a sports marketing business that promotes the athletic teams of Redmond High School. Students will create a marketing plan and run the business and they will also develop and host a website for RHS athletics information and merchandise sales. Students will also be involved in the operational and merchandising elements of the school’s on-site athletic-wear store. Students will conduct all aspects of event management marketing campaigns as they promote on-campus events. In completing their responsibilities, students will gain experience as sports writer, accountant, sales representative, website manager, public relations manager, event coordinator and more.

- **Entrepreneurship** is a project-based course where students work in business teams to create and operate a small business of their choice. Students will develop and improve their business and leadership skills by managing and completing a business project in a self-directed manner. Students will learn various business skills, such as computer skills, written and oral communications, marketing skills, business ethics, organization and time management, presentation skills, business management and information technology. Students will be eligible for and encouraged to participate in FBLA. **Prerequisite:** Sports Marketing or Business Leadership
### Computer Science

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<tr>
<th>Course</th>
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<th>Prerequisite</th>
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<tbody>
<tr>
<td>Exploring Computer Science</td>
<td>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.</td>
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<tr>
<td>Computer Science Principles/App and Game Development A/B</td>
<td>Covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security and the societal impacts of computing.</td>
<td>Exploring Computer Science</td>
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<tr>
<td>IT Essentials</td>
<td>Students who complete this course will be able 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.</td>
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<tr>
<td>CISCO Networking 1, 2</td>
<td>Students will become familiar with networking processes and concepts. The class shows students how systems and computers communicate and what troubleshooting measures are used. This course provides students with the basic layers of networking.</td>
<td>IT Essentials or instructor approval.</td>
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### Construction

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<tr>
<td>Construction Technology 1A &amp; 1B</td>
<td>Is an activity course providing students with knowledge and skills needed to safely operate tools and machines related to construction. Students will learn about tool safety and apply that knowledge while building a variety of projects. Students will be exposed to construction-field OSHA standards and laser technologies.</td>
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<tr>
<td>CN: Construction Technology 2A &amp; 2B</td>
<td>Is a vocational course preparing student for entry-level employment in the construction trades. Students will expand upon their knowledge learned in Construction Tech 1A/1B and will work on more extensive projects, including individual project choice, community projects and group interaction.</td>
<td>Construction 1A/1B</td>
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<tr>
<td>CN: Construction Technology 3A &amp; 3B</td>
<td>Prepares students for entry-level employment in construction trades. Students gain school-to-work transition skills, communication skills and become independent workers proficient in safety, applying OSHA standards on tools and machines.</td>
<td>Construction 2A/B</td>
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<tr>
<td>Architecture 1</td>
<td>Explores the basics of architecture using Chief Architect, a 3D design program for residential and light commercial design. This introductory class is designed for students interested in design and architecture, whether to build the foundation for a future career or to enrich a visual curiosity and design appreciation.</td>
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### Education Elective

- **Education 101A/101B** is in alignment with COCC’s ED 200 and ED 101 course. This is an Education Foundations class. In the fall, students will explore philosophical, economic, legal, ethical, historical, psychological and social foundations of teaching and learning. Students will also learn specific skills in the area of lesson planning, small group and classroom management. In the spring, students will take ED 101B and apply that knowledge to a 60-hour practicum, partnering with educators at nearby schools in the Redmond School District.  
  *Prerequisite: Completion of application and instructor approval*

### Language Arts Electives

- **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.  
  **Elective credit**

- **Yearbook A/B/C** students have as their responsibility the production of the school's yearbook. Students use computer technologies to produce the yearbook and will learn the skills of yearbook design, layout design, desktop publishing, digital photography, writing, record keeping and meeting team and personal deadlines. The publication is completed using Herff Jones eDesign page layout and Adobe Photoshop for photo manipulation. Students are self-directed and work in collaborative teams to create a publication that captures the essence of the school year. The yearbook class is particularly suited for students who are highly motivated, take initiative and can work in team environments. Attendance and documentation of at least two school events outside of class is an expectation of the course. Students may earn ELA credit depending on their role and instructor approval.  
  **CTE or ELA credit**

- **Creative Writing** is designed for students interested in close reading and writing in a variety of genres, including fiction, creative nonfiction and poetry. Students will read and analyze exemplar texts, then employ the writing process as they create their own works. Students will share and critique in writing groups, working toward a creative portfolio.  
  **Elective credit**

### 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 Engineering 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 & Engineering 2A/2B. Completion is required for Panther Tech eligibility. Required course for students earning the Redmond Certificate of Manufacturing Technology (R-CoMP).  
  *Prerequisite: Intro to CAD*
*CAD/CAM Engineering 2A & 2B Students will work on projects and solve problems using powerful, industry standard design and machining software (Solidworks and Mastercam), 3D printing, manual and CNC machining, laser operation and plasma cutting. Students will also explore local industry through regular tours, guest speakers and internship opportunities. Completion is required for Panther Tech eligibility. *Prerequisite: CAD/CAM 1A/B

*Manufacturing and Engineering 3: Panther Tech A/B/C is a student-run business, specializing in metal, wood or plastic products, product design and development, prototyping, marketing and entrepreneurship. Students can expect to learn all aspects of running a business, from management to accounting to design to production. Eligible students will have strong skills in one or more of these areas. Panther Tech is operated like a business and students will be paid a nominal amount for their work in the company after expenses are met. *Prerequisite: CAD/CAM 2A/2B

Welding 1A & 1B is 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, approval and then designing and building an approved project of their choice.

*CN: Welding 2A & 2B enable students to gain knowledge of the properties, uses and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas and tungsten arc processes) and experience in identifying, selecting and rating appropriate techniques. Course includes instruction in interpreting blueprints or other types of specifications: blueprint reading and learning welding sections and symbols. *Prerequisite: Welding 1A/1B

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 that 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. Cadets must abide by the grooming standards required to wear the uniform. Cadets can earn 0.5 physical education credit and 1.5 elective credit for completing one full school year in the program. PE and elective credit graduation requirements are satisfied for successfully completing four years of MCJROTC class. First-year cadets have the option of wearing the Marine Corps uniform or appropriate professional attire, such as a collared polo shirt and slacks/khaki trousers, once a week. Second- third- and fourth-year cadets are required to wear the Marine Corps uniform once a week and maintain MCJROTC grooming standards. All uniforms are provided at no cost to the student.

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 be given the opportunity to audition for various individual solo/choir 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.
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<tr>
<td>1. <strong>Wind Ensemble A/B/C</strong> will provide the student 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 emphasis of the class will be on 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 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.</td>
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<tr>
<td>2. <strong>Jazz Ensemble A/B/C</strong> 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 &quot;big band&quot; jazz: ballads, swing and blues. Students will learn skills and develop attitudes that they will find useful in recreational and professional endeavors. <em>This is an early-bird course offered before the start of the regular school day.</em></td>
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**Open periods:** You will only be approved for early release/late arrival if you are on track for graduation. Counselor approval is required. You may select one open period each trimester.

**Social Science Elective**

| 1. **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** |

| 2. **CN: Survey of the Criminal Justice System** introduces students to the functional components of the US criminal justice system, including law enforcement, the courts and corrections. Students will gain knowledge about the basic functions of various systems within the criminal justice field, and the philosophies that work to shape how criminal justice agencies interact with the public. **Social Science credit** |

**Theatre**

| 1. **Introduction to Theatre: Acting 1** 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 existing skills. |
| 2. **Acting 2: Acting Lab** students will develop a toolbox of rehearsal and character development techniques. They will learn to integrate voice, movement and imagination by engaging in ensemble- and character-development strategies from a variety of prominent 20th-and 21st-century theatre practitioners. Students will also develop short pieces (monologues/soliloquies or scenes) for audition or competition purposes. Taught in a workshop format, students are expected to engage actively and supportively in acting lab activities, giving and receiving peer feedback with grace. This course is for those wishing to improve self-confidence and acting ability. It requires initiative, self-discipline, open-mindedness, line-memorization and risk-taking. **You must pass Acting 1 before taking this class.** |
### Visual Arts

- **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 set focuses on subject and media, each time this course is offered, projects will vary allowing students to repeat the course to grow skills and experiences. **Prerequisite:** Art 1

- **Art 3: Advanced Drawing and Painting** is for students desiring to continue developing their drawing, painting and design skills. Art 3 students have successfully completed the previous sequential coursework and will apply knowledge to more complex forms of drawing and painting. Students will also develop appreciation for the arts by viewing art and artists from the past and present. While there are some set focuses for project concepts and techniques, students will also have the ability to create projects of their own interest. Great emphasis will be placed on making quality work that is well planned and executed. This course is designed to help students prepare their art portfolio and provides preparation for the upper-level 11th- and 12th-grade AP Course. **Prerequisite:** Art 2

- **Interdisciplinary Arts: Art and Wellness** This course contains drawing, painting and sculpture assignments that 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 not just to art but to career readiness and forms of adulation. Student will participate in breathing, gentle movement and meditation exercises in order to tap into grounded, imaginative mindset while building greater self-awareness and creative skills as they develop their art skills.
### RHS 12th Grade Forecasting Guide

#### Ceramics 1
- **Ceramics 1** is an entry-level 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: bowls, vases and mugs. Basic properties of clay, care of projects, glazing and firing will also be covered.

#### Ceramics 2
- **Ceramics 2** In this course, students will continue studying ceramic construction, building their skills and creativity. The class follows the basic format of Ceramics 1 where students work by hand-building and on the wheel. Advanced projects may include more complex constructions like pitchers, teapots, sets of items, larger vessels and sculpture and decorative surface development. Students will sculpt a human skull to proper anatomy size and proportions. Assignments given will reflect a greater degree of difficulty and creativity. **Prerequisite:** Ceramics 1

#### Ceramics 3
- **Ceramics 3** is for students who wish to continue their study of ceramics, building on their skill and creativity. Ceramics 3 students have successfully completed the previous sequential coursework and will apply their knowledge to more complex functional and nonfunctional forms of ceramics. While there are some set focuses for projects and techniques, students will have the ability to create projects of their own interest. Great emphasis will be placed on making quality work that is well-planned and well-executed. **Prerequisite:** Ceramics 2

#### Digital Photography
- **Digital Photography** is a study of the field of photography, with focus on its technique, composition and finishing. Using a digital camera and graphics software such as Photoshop, students will learn basic camera operation, composition design, photo editing and methods for downloading, editing, transferring and printing digital images. This course will allow students to develop an awareness and appreciation for historical and contemporary photography as well as its many roles in society. Through producing images in a variety of genres such as nature, portraits, action and still life, students will build creative and technical skills to communicate ideas. For this course, students should provide their own digital camera, with substantial memory and zoom capabilities.

#### Digital Photography 2
- **Digital Photography 2** is an advanced photography course for students interested in developing their photographic knowledge and skills learned from the first digital photography class. This can include more work with the functions of the DSLR camera, use of equipment and props and shooting techniques. Students will advance their knowledge of Adobe (or other digital design) software to process images and prepare images for multiple uses including digital presentation, printing and in products such as posters, advertisements and storytelling. For this course, students should provide their own digital camera, with substantial memory and zoom capabilities. After this course, students wishing to continue with photography are encouraged to consider a photography focus in the AP Art and Design course. **Prerequisite:** Digital Photography 1

#### Advanced Placement Art and Design A/B/C
- **Advanced Placement Art and Design A/B/C** is designed for students who are seriously interested in the practical experience of art and wish to elevate their art study and practice. It is a full-year course where students create a portfolio of work that is submitted to the College Board for assessment and possible college credit. The portfolio demonstrates the student’s experience and development of art concepts and ideas, composition, materials, techniques and processes. There are two sections to the portfolio: quality work and a sustained investigation (of an idea or topic). Students will document their inquiry in a sketchbook; their practice, experimentation and revision; materials, processes and ideas. Students will determine the best type of portfolio for them based on their skills and preferences: 2D design, 3D design or drawing. **Prerequisite:** Must complete 2 or more high school art courses with a B grade or higher.

### World Languages

#### Spanish 1A & 1B
- **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 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.
## RHS 12th Grade Forecasting Guide

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<tr>
<th>Course</th>
<th>Prerequisite</th>
<th>Description</th>
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<tbody>
<tr>
<td><em>Spanish 2A &amp; 2B</em></td>
<td><em>Prerequisite: Spanish 1A/B</em></td>
<td>This course expands the skills of Spanish 1A/1B with continued emphasis on all four modes of communication. The study of Spanish culture, history and geography is continued. 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 a global citizen. In order to succeed, students will be required to participate in practice activities inside and outside of the classroom.</td>
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<tr>
<td><em>Spanish 3A &amp; 3B</em></td>
<td><em>Prerequisite: Spanish 2A/B</em></td>
<td>In this course, skills developed in Spanish 1 and 2 are applied to increasing conversational ability. A review and development of grammar is continued. Spanish culture, history and geography are re-explored in a variety of ways.</td>
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<tr>
<td><em>French 1A &amp; 1B</em></td>
<td><em>Prerequisite: French 1A/B</em></td>
<td>French 1A &amp; 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. Students 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. French-speaking cultures, history and geography will be studied.</td>
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<tr>
<td><em>French 2A &amp; 2B</em></td>
<td><em>Prerequisite: French 1A/B</em></td>
<td><em>French 2A &amp; 2B</em> puts a greater emphasis on oral communication and original writing. Students will have opportunities to express knowledge learned in reading, writing, listening and speaking. Students will reflect on how learning a language affects them as a global citizen and how these skills can be applied to their lives. The exploration of French-speaking cultures is expanded.</td>
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