

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
9	English 9	English 9 builds on the experiences and the skill sets developed in English 8. It presents a range of texts and media to help students develop their comprehension, their creativity, and their critical thinking skills. Discussion and reflection will be used to create meaningful connections to the readings and expand a student's worldview. Written work and projects will develop voice, style, and a more masterful use of language.	EN
9	Math 9	Students will build on the foundational math skills of Math 8. They will use problem solving and logical reasoning to tackle more challenging concepts and learn the tools they need for future classes and life outside of high school. The topics we will explore include operations with rational numbers (addition, subtraction, multiplication, division, and order of operations), exponents and exponent laws with whole-number exponents, operations with polynomials, of degree less than or equal to 2, two-variable linear relations, multi-step one-variable linear equations, spatial proportional reasoning, statistics in society, and financial literacy.	MA
9	Social Studies 9	Social Studies 9 focuses on the time period in history from 1750 to 1919. It looks at how political, social, technological and economic revolutions affected the world during this time, as well as that in which we live today. Students will continue their study of the effects of imperialism and colonialism from grade 8, now with a greater focus on Indigenous groups around North America. Other themes include demographic shifts, migration patterns, nationalism and the development of the modern nation state in both Canada and around the world. Students will also explore local, regional and global conflicts including WW1 and some of the discriminatory policies, attitudes and historical wrongs especially in Canada during the early 1900's.	SS
9	Science 9	This course will continue to build your science skills and knowledge. It is a fast-paced course with lots of concepts to learn and master, so it is important to attend every class and keep up with homework. Topics in the chemistry unit include the periodic table, elements and compounds, subatomic particles and ionic and covalent bonding. Electricity is the focus of the physics unit including an analysis of the relationships between voltage, current and resistance. In the biology unit mitosis and meiosis as well as sexual and asexual reproduction is covered. Solar energy, energy and matter cycles as well as sustainability of ecosystems are the topics in the earth science unit. Current and emerging technologies in will be explored throughout this course.	SC
9	PHE 9	PHE 9 is a participation-based course focusing on well-being - the connections between physical, intellectual, mental and social health. Students experience a variety of individual, dual and team activities in order to develop a personalized understanding of what healthy living means to them as individuals and members of society. The aim of PHE 9 is to gain the knowledge, movement skills, and positive attitudes and behaviours that contribute to lifelong physical health and mental well-being.	PE
9	PHE-09: Non-competitive	PHE 9: Non-competitive is a participation-based course focusing on well-being - the connections between physical, intellectual, mental and social health. Students experience a variety of individual and community activities in order to develop a personalized understanding of what healthy living means to them as individuals and members of society. The course may include activities to promote life-long learning and may include strength, yoga, Pilates, etc. The aim of PHE 10 is to gain the knowledge, movement skills, and positive attitudes and behaviours that contribute to lifelong physical health and mental well-being.	PE
9	French 9	In this course, students will be building upon many of the skills and knowledge acquired in French 8. Through various units, students will practice their written and oral language skills through listening, viewing, and interpreting a variety of texts. They will continue to build their skills in letter patterns and engage in simple conversations. Students will participate in interactive projects and activities such as videos, projects, and language games. In addition, French 9 is also about understanding Francophone cultures and identity, and the connections between indigenous communities and the French language.	FR
9	Visual Arts 9	This is an entry level art course that exposes students to a wide variety of themes and mediums including drawing, painting, and sculpture. It also allows students to try things like printmaking and working in various mediums like charcoal, conte, acrylic, watercolors, ink, clay, plaster, and glass. Students in this course will select a stream from the following options: <ol style="list-style-type: none"> <li>1. <b>Visual Arts 9</b>-Described above</li> <li>2. <b>Media Arts 9</b>- This stream examines world events and the artistic and creative responses to them in social media, art galleries, and local communities. Specific features and the purposes of media artworks will explore a variety of viewpoints, including those of First Peoples.</li> </ol>	FA
9	Drama 9	Drama classes are designed to give students a hands-on opportunity to be involved in individual and groups activities that increase their skills and awareness on stage. Students will work on things like script writing and performance, writing monologues and dialogues. They will learn stagecraft and terminology, vocal production and enunciation, creating emotion and staying character, and a multitude of other skills that increase confidence and team building. This is an entry level course. This course is to expose students to drama elements, techniques, and vocabulary, to create mood and convey ideas, including but not limited to: character, time, place, plot, tension, mood, focus, contrast, balance. Students will experience a variety of drama forms and drama conventions and be aware of the personal and social responsibility associated with creating, performing, and responding in drama. It is for the student who wishes to perform and be in front of an audience. Students who take this class should want to be involved in all aspects of being on stage including things like character creation and development. The main objective of this course is working towards acquiring skills that will be part of a full production at the end of the semester.	FA
9	Music 9	This course is designed for students who wish to further their studies of instrumental music in a concert band setting. Technique will be developed through time, rhythm, intonation, and a wide range of musical material. Music 9 offers opportunity to focus on listening, social responsibility, and critical thinking. The collective effort of the ensemble creates many opportunities for collaboration, positive social interaction, and creative development.	FA
9	Choral Music 9	Choir is open to all students who wish to learn more about vocal technique and group performance. Choir builds confidence and relationships within the music community and encourages students to develop their individual creativity and expression. A variety of musical literature will be covered, with an emphasis on popular music. All abilities are welcome. <b>Rehearsals are outside of the timetable (Wednesday 7-9 pm)</b>	FA

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
9-12	Instrumental Music - Jazz Band (9-12)	This course is designed for students who have a special interest in jazz music and who would like to play in a smaller ensemble. Students will be exposed to different jazz styles such as swing, be-bop, blues, rock, and funk. Students' technical skills and musicianship are developed through jazz performance. <b>Rehearsals are outside of the timetable. (Monday 7-9 pm)</b>	FA
9	Food Studies 9	Do you have a "passion for food and a flair for cooking?" Learn to prepare delicious meals for you and your friends. Focus on your personal skills and preparation techniques while exploring recipes from around the world, as well as how food choices contribute to your health and well-being. Second term will finish with a pizza challenge.	ADST
9	Applied Design 9: General Explorations	In this course students will face regular design and build challenges, while learning and applying the principles of STEM (Science, Technology, Engineering, and Mathematics). This is an applied skills class where students will design, prototype, and build working devices for each challenge. During this process, students will utilize STEM to improve and modify their design to optimize its performance. Some potential challenges offered in class include rockets, trebuchets/catapults, canons, robots, racers, and many, many more. Students in this course will be required to pay a course fee to cover the cost of some of the basic items and materials supplied in the course.	ADST
9	Woodwork 9	In this introductory woodworking course students will be exposed to a variety of entry level woodworking techniques including how to properly square up lumber, do glue-ups, and basic wood turning. Students will learn how to use tools and machinery in the woodshop safely and properly. Through the application of theory and a series of pre-determined projects, students will gain the experience, knowledge and confidence needed to produce high quality work. After students have successfully demonstrated mastery of these processes, they will be permitted to build a project(s) of their choice utilizing these new skills and abilities. Students will then have the choice to explore more traditional woodworking practices and joinery projects AND/OR finer details of woodworking creating artistic, woodcraft and jewellery related projects. In addition to traditional woodworking, students will also be exposed to and encouraged to build and design projects using modern technology and software using the schools CNC machines. Students in this course will be required to cover the cost of any material and supplies consumed in this course.	ADST
9	Power Technology 9	Students will be introduced to the internal combustion engine and study its systems through practical projects on various units such as motorcycles, snowmobiles, and lawnmowers. Different types of fuel and their uses will be explored in relation to the automotive industry. Students will be introduced to basic measuring skills and equipment and how they are utilized in industry. Students will have the opportunity to service and maintain their own small engine equipment as part of this course.	ADST
9	Information and Communications Technologies 9	Our world has become increasingly digitized in the past few decades, and this trend shows no signs of slowing. With computers everywhere, the need to be able to program computers to do what is required is more important than ever. Computer programs are at the cutting edge in nearly every career field, and it is no longer just computer scientists that write computer programs. Students heading into Mathematics, the Sciences, Engineering, and many other courses of study will be encountering computer programming in university/college. In Computer Studies 9/10, students will learn the foundations of digital computation and write their own computer programs in programming languages such as Scratch and Java. By nature, the class will be largely problem and project based, and students will develop the critical thinking and problem-solving skills needed for further studies in computer science.	ADST
9	Career Ed 9	Career Education 9 builds on Career Education 8 and builds a strong foundation for the Career Life plans in senior years. Students will develop the knowledge, skills, and attitudes, which will assist them in making informed decisions as they plan future education and career paths. In Career Education 9, continue to explore the concepts of first impressions, their skills, interests, motivations, personality and learning styles and then begin exploring careers in depth. They will also begin to discover key concepts in workplace safety and understand the importance of their digital footprint.	CAR
10	Composition & Literary Studies 10  (EN 10 Option 1)	Composition & Literary Studies 10 is designed for students who want to explore expository and persuasive writing. Language skills and strategies will be reinforced with the grammar, mechanics, and structure necessary to express thoughts in academic and practical writing. Students will read and explore a range of texts including poetry, short stories, and novels. Critical thinking and discussion will expand horizons and explore a variety of themes. This course will appeal to students who want to write with more impact in academic environments.	EN
10	Creative Writing & Literary Studies 10  (EN 10 Option 2)	Departing from conventional, academic, and expository writing, students in Creative Writing & Literary Studies 10 will develop technical skills in figurative language, sentence construction, and literary forms. Using stories and exemplars, students will examine the professional writer's craft in order to further develop skills. Assignments may include poetry, stories, journalism, movie scripts, visual communication, podcasts, and various other forms. This course will appeal to creative students who appreciate playing with language and ideas.	EN

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
10	New Media & Composition 10  (EN 10 Option 3)	The Internet, media, and technology shapes the world around us and influences who we are. This course is designed to prepare students for the ways we communicate in this world. Digital citizenship and the impacts of technology will be studied alongside the ways we engage with information, literature, and media. This course will also cover the technical aspects of writing compositions including grammar, sentence variety, writing skills, and planning strategies. Areas of study will include journalism, social media, film studies, advertising, and “fake” news. This course will appeal to students looking to explore the practical and commercial applications for communication in its many forms.	EN
10	Foundations of Math and Pre-Calc 10	During this course students will expand on the mathematical skills and techniques learned in Math 9 and introduce students to the techniques needed for success in senior high school mathematics and beyond. Students will be introduced to polynomial expanding, equations of lines, trinomial and binomial factoring, arithmetic sequence and series, right triangle trigonometry, systems of linear equations, analyzing functions, experimental/theoretical probability and understanding income and deductions. This course develops the pre-requisite math skills for all grade 11 math and science choices.	MA
10	Workplace Mathematics 10	During this course students will continue to develop the skills and techniques learned in their previous Math 9 course. However, this math course will focus more on applications of these skills to prepare students for future encounters with mathematics in the workplace or trades related training programs. Students will be introduced metric and imperial conversions, right triangle trigonometry, applications of surface area and volumes, shape and parallel line geometry, central tendency, analyzing/critiquing graphs, experimental probability and understanding income and deductions. This course develops the pre-requisite math skills for Workplace Math 11.	MA
10	Social Studies 10	Social Studies 10 will focus on the time period of 1919 to the present. This course will further develop the skills required in order to assess historical significance, the reliability of evidence, consider cause and consequence, and recognize different historical perspectives. Social Studies 10 will focus on the evolution of Canadian autonomy and identity through a study of our government, and our role in national and international conflicts and co-operation. This course will also examine human-environment interaction, economic development and discriminatory policies and injustices.	SS
10	Science 10	In Science 10 students continue to develop their skills with experimentation and the Scientific Method. They will learn about DNA, genetics and simple patterns of inheritance as way to explain the diversity of life found on Earth . Chemical reactions as well as acid and base chemistry and the Law of Conservation of Mass will form the Chemistry unit. A section on Energy will explore the transfer of energy through systems, including chemical reactions and ecological systems. In the Astronomy unit students will explore objects both near and far, as a means of understanding the formation of the Universe. In the unit on Nuclear Science we learn about fission, fusion, and how related technologies present both opportunities as well as risks. Current and emerging technologies and applications will be discussed throughout.	SC
10	PHED 10	PHED 10 is a participation-based course focusing on well-being - the connections between physical, intellectual, mental and social health. Students experience a variety of individual, dual and team activities in order to develop a personalized understanding of what healthy living means to them as individuals and members of society. The aim of PHE 10 is to gain the knowledge, movement skills, and positive attitudes and behaviours that contribute to lifelong physical health and mental well-being.	PE
10	PHED 10  Non-competitive	PHED 10 Non-competitive is a participation-based course focusing on well-being - the connections between physical, intellectual, mental and social health. Students experience a variety of individual and community activities in order to develop a personalized understanding of what healthy living means to them as individuals and members of society. The course may include activities to promote life-long learning and may include strength, yoga, Pilates, etc. The aim of PHE 10 is to gain the knowledge, movement skills, and positive attitudes and behaviours that contribute to lifelong physical health and mental well-being.	PE
10	Volleyball 10	This course is designed for students who would like to improve their volleyball skills and knowledge of the game. Students will be involved in skill development, team dynamics, strategies, video analysis, volleyball specific physical training, basic coaching, officiating and scorekeeping. The class will take place on both indoor and outdoor courts as well as in a classroom setting.	PE
10-12	Mountain Biking 10-12	This course will develop student riding skills. There are six fundamental skills that are combined to perform all maneuvers on a bike. These skills will be studied and practiced in depth. It will also teach bike maintenance and repair skills including trail side repairs, routine maintenance and complete overhauls. Students will learn risk management, and how to be prepared to ride their bike in the mountains. Respect for the environment, the trail development process, and aboriginal world views will be an integral part of the course. This course will be offered outside the regular timetable.	PE

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
10	French 10	In this course, students will be building upon many of the skills and knowledge acquired in French 9. French 10 focuses on increasing fluency orally and in writing. This course will also explore different French regions and cultural expression. Students will participate in interactive projects and activities such as media/film analysis, videos, projects and language games. In addition, French 10 is also about understanding Francophone cultures within Canada and abroad, and recognizing that language has been shaped by interactions of First Peoples and Francophone communities.	FR
10-12	Art Studio 10, 11, 12	Grade 10 – 12 art courses are all semester courses and project based, hands-on, student driven. Every course has a wide range of project themes and ways to interpret them. This allows students to work to their strengths and explore a wide range of mediums and areas of interest. This course includes working in all mediums, drawing, painting, and sculpting. It also allows students to try things like printmaking, and working in various mediums like charcoal, conte, acrylic, watercolors, ink, clay, plaster and even things like stone and glass. There are a variety of streams within this course that students can choose from, and it is possible to take a second stream if this course is selected twice. Here are the streams available within this course: <ol style="list-style-type: none"> <li>1. <b>Art Studio:</b> Described above</li> <li>2. <b>Studio Arts (2D and 3D):</b> This stream focuses on mediums that are specifically 2-D (drawing and painting) or 3-D (ceramics and sculpture).</li> <li>3. <b>Media Arts:</b> This stream focuses more on using media/technology as an art medium. Students can use drawing tablets and digital art as well as photography, in addition to using traditional art methods. The themes in this class look more at things happening in the world and how those things are dealt with through the lens of social media and various other sources.</li> </ol>	FA
10	Photography 10	In this course students will learn about the basics of photography. From a technical point of view, students will learn about various types of cameras from cell phones to point-and-shoot to DSLR's. Students will also learn about the various camera settings like aperture, shutter speed, ISO, etc. taking them beyond Auto Mode to offer greater creative and technical control. With this background under their belt students will learn about the elements and principles of photography such as exposure, composition, and perspective as well as many creative and styles and techniques. Students will also learn to examine images critically through regular critiques. Digital processing techniques will be introduced using programs like Adobe Photoshop and Lightroom. At the end of this course students will submit a portfolio of their greatest work from the year. Students may also be going on regular excursions. Students do not need to own a camera, but they are encouraged to bring their own if they can.	FA
10-12	Drama 10-12	Drama classes are designed to give students a hands-on opportunity to be involved in individual and groups activities that increase their skills and awareness on stage. Students will work on things like script writing and performance, writing monologues and dialogues. They will learn stagecraft and terminology, vocal production and enunciation, creating emotion and staying character, and a multitude of other skills that increase confidence and team building. This course is for the student who wishes to perform and be in front of an audience. Students will experience a variety of drama forms and drama conventions and be aware of the personal and social responsibility associated with creating, performing, and responding in drama. Students who take this class should want to be involved in all aspects of being on stage including things like character creation and development. The main objective of this is working towards acquiring skills that will be part of a full production at the end of the semester.	FA
10-12	Theatre Production 10 - 12	This course is for students who want to be more involved in the technical aspects of a production and learn about things like lighting and sound. Students learn how to set up a lighting grid, create sound effects and ultimately learn about the creation of props and stage sets; design and creation. They also get involved with props, costumes, hair, make-up and being stage manager. They will be responsible for all these facets during the full production at the end of the semester.	FA
10	Instrumental Music 10 - Concert Band	This course is designed for students who wish to further their studies of instrumental music in a concert band setting. Students will develop their individual technique and musicianship through various exercises, studies, music theory, and a wide variety of concert band literature. Students will perform in large ensembles and work collaboratively within their sections. Focuses of this course include: an emphasis on meaning, intent, and emotion in music. We will also explore Music and the unique ways it connects to our identity and sense of belonging.	FA
9-12	Instrumental Music - Jazz Band (9-12)	This course is designed for students who have a special interest in jazz music and who would like to play in a smaller ensemble. Students will be exposed to different jazz styles such as swing, be-bop, blues, rock, and funk. Students' technical skills and musicianship are developed through jazz performance. <b>Rehearsals are outside of the timetable. (Monday 7-9 pm)</b>	FA

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
10	Choral Music 10	Choir is open to all students who wish to learn more about vocal technique and group performance. Choir builds confidence and relationships within the music community and encourages students to develop their individual creativity and expression. A variety of musical literature will be covered, with an emphasis on popular music. All abilities are welcome. <b>Rehearsals are outside of the timetable (Wednesday 7-9 pm)</b>	FA
10	Food Studies 10	Do you have a passion for food and a flair for cooking? Learn to prepare delicious meals for you and your friends. Focus on your personal skills and preparation techniques while exploring recipes from around the world, as well as how food choices contribute to your health and well-being. Second term will finish with a pizza challenge. Prerequisite: None	ADST
10	Electronics & Robotics 10	In this introductory course students will explore the world of electronics and robotics. Students in this course will learn about the various types of electrical components that are used in common circuitry, as well as learn how to build circuits and the properties governing their function (Ohm's Law, Kirchhoff's Rules, etc...). Once students have a solid understanding of circuitry, they will then apply this knowledge in the coding and robotics portion of the course. In this section students will learn how to build and code a variety of circuits using the Arduino platform. Through this experience, students will gain the knowledge and skills that will allow them to build and design their own circuits by the end of the course. Students in this course will be required to pay a course fee to cover the cost of some of the basic items and materials supplied.	ADST
10	Woodwork 10	In this course students will build upon the skills developed in Woodworking 9. Students will begin to learn more specialized techniques, gain further confidence working with tools, exposure to different materials, to give students more creative freedom in their designs. The primary focus of this course will be on joinery, how to properly make joints and when and where to use each type to optimize and strength student builds. Once students have successfully demonstrated the necessary skills and abilities, students will then have of opportunity to pursue builds of their choice utilizing these new skills and abilities. Students will then have the choice to explore more traditional woodworking practices and joinery projects AND/OR finer details of woodworking creating artistic, woodcraft and jewellery related projects. In addition to traditional woodworking, students will also be exposed to and encouraged to build and design projects using modern technology and software using the schools CNC machines. Students in this course will be required to cover the cost of any material and supplies consumed in this course.	ADST
10	Power Technology 10 (Automotive)	Students will expand their knowledge of engines and their individual parts. Automotive components will be removed, inspected and reassembled on vehicles. Students will be introduced to the power equipment in the automotive shop and master their use while servicing and repairing vehicles. There will be an opportunity for students to repair and service their own small engine equipment.	ADST
10	Metalwork 10	Students will learn various methods for laying out, forming, and joining metal (welding). Proper storage, organization and use of tools and equipment will be an integral part of the course. Students will learn start-up, shutdown, and handling procedures for compressed gas cylinders and the use of oxy-acetylene torches. Students will learn reading and preparing drawings, plans, and cutting lists and apply them to their projects. Precision measuring will be covered, as well as cutting threads.	ADST
10	Youth Explore Trade Skills 10	Youth Explore Trades Skills (STX) is an engaging program in which students use hands-on learning to acquire skills and knowledge related to the construction trades, and the automotive industry. A career in the trades is a stable, exciting, rewarding and challenging way to earn a good living. Explore different career paths while building trades-related projects. Learn basic automotive maintenance, use carpentry skills as you build a shed, work through electrical and plumbing projects that will introduce you to these exciting trades.	ADST
10	Career Life Education 10A	This is a 2-credit course delivered in grade 10 through a partnership with the English department, this course will help students realize that finding a balance between work and personal life is essential to good physical and mental health. It will Help students gain an understanding that a network of family, friends and community members can support and broaden our career awareness and options. Learning how to learn prepares us to be lifelong learners who can adapt to changing career opportunities. Effective career planning considers both internal and external factors. The global economy affects our personal, social, and economic lives and prospects. Successful career in education paths require planning evaluation and adapting.	CAR
10	Personal Leadership 10	This course will help students better understand what is meant by intrapersonal and interpersonal skills and encourage the development of these skills in order to have a more positive impact on all aspects of their lives. The course will cover such topics as: self-awareness, personal responsibility, goal setting, time management, decision making, cooperation, communication, conflict resolution, public speaking, teamwork and stress management and overall health and wellness. Much of the learning will take place through class discussions, reflective assignments, and experiential learning activities.	BAA

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
10 -12	Indigenous Connections 10-12	Indigenous Connections 10, 11, 12 is designed to allow students to explore and deepen their understanding of local and personal Indigenous traditions. Students will participate in the development, design, and implementation of intergenerational, community-based projects that allow each student to showcase their own personal strengths and abilities. Students will have the opportunity to learn from a variety of sources including teachers, community leaders, Elders, Knowledge Keepers, and each other. Indigenous Connections provides many opportunities for the exploration of local medicinal botany, cultural traditions and knowledge, Indigenous authors, Indigenous art, understanding reconciliation, and participation in traditional events and celebrations. Students may also receive academic and/or personal support to enhance their learning in other courses.	BA
11	Literary Studies 11  (The Reader)	Literary Studies 11 sheds a little light into the darkness of the human soul as it explores the themes and conflicts that writers have wrestled with through the ages. As such, this course is both an exploration and an exultation of the human spirit. Students will continue to develop their writing skills as they study literary elements and different viewpoints in text, literature, song, and beyond. This course prepares students for English Studies 12.	EN
11	New Media 11  (The Influencer)	New Media 11 encourages students to reflect upon the role technology plays in the ways we communicate. This course asks students to investigate what it means to be a good digital citizen, and it explores a wide variety of digital and print media including films, podcasts, news media, and more. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world. This course prepares students for English Studies 12.	EN
11	Composition 11  (The Technician)	Composition 11 is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students will study compositions by other writers and be exposed to a variety of styles as models for the development of their writing and voice. During this course, students will create original works for a range of purposes and audiences. This course prepares students for English Studies 12.	EN
11	Creative Writing 11  (The Writer)	Have you mastered all the basic concepts in traditional writing and want to colour outside the lines a little? Creative Writing 11 is a project-driven, academic course designed to teach students the specific skills and techniques authors use to invent, polish, and share ideas. Starting with the fundamental question of why humans tell stories, students learn the creative process and use literary texts to analyze the writer's craft. We will experiment with a variety of media and forms. This is a great course to find your own unique voice and focus on improving the quality of writing. This course prepares students for English Studies 12.	EN
11	Pre-Calc 11	This <b>algebra-based</b> Math 11 course is intended for students who plan to enter a science, engineering or business-related field after graduation. Students will build on the algebra skills learned in Pre-Calculus/Foundations 10 and apply them to the study of: Rational expressions, quadratic functions and equations, radical functions and equations, non-right-angle trigonometry, inequalities, functions and financial literacy. <b>Factoring, coordinate graphing, equation and problem solving</b> are used extensively in this course – thus it is highly recommended that students have at least a <b>C+</b> in Pre-Calculus/Foundations 10 course prior to taking this course. Please consult your math teacher and counselor for the math choice best suited for you!	MA
11	Foundations of Math 11	This application-based Math 11 course is intended for students who plan to enter Nursing, Humanities, or a Faculty of Arts program after graduation. (NOTE: this course does not meet the entrance requirements for post-secondary science programs). Plus, some nursing programs also require completion of FOM 12). Students will build on the skills learned in Pre-Calculus/Foundations 10 and apply them to the study of: logic, reasoning, statistics, non-right-angle trigonometry, geometry, graphical analysis, optimization and financial literacy. Coordinate graphing, equation solving, critical thinking and problem solving are used throughout this course: thus students must complete Pre-Calculus/Foundations 10 course prior to taking this course. Please consult your math teacher and counselor for the math choice best suited for you!	MA
11	Workplace Math 11	This application-based Math 11 course is intended for students who plan to enter certain trades and apprenticeship programs after graduation. (NOTE: this course does not meet the entrance requirements for post-secondary science programs.). Students will build on the skills learned in Workplace Math 10 and apply them to the study of: game analysis, slope, 3D objects, graph interpretation, interest rates and financial literacy. Student will meet their graduation math requirements upon completion of this course – but those pursuing trades may choose to continue their math study in Apprenticeship Math 12. Please consult your math teacher and counselor for the math choice best suited for you!	MA
11/12	Law Studies 12	Law Studies is specifically designed to provide students with an introduction to many aspects of Canadian Law. The “Big Ideas” in Law Studies allow students to understand legal rights and responsibilities, see “Laws” as a force for change, focus on legal impacts on people’s daily lives and see how laws are interpreted. Criminal, Civil and Family Law, Indigenous legislation and traditional laws as well as Sentencing procedures, pre and post arrest, will also be considered. Students will have an opportunity to observe court, practice their role-playing skills pertaining to arguing cases, and be selected to put on a full court case in front of their parents and peers at the Revelstoke Court House. Please ensure that you have checked with your counselor for university requirements and how that may affect your course selection.	SS

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
11/12	20th Century World History 12	20th Century World History is a dynamic senior course. "The Big Ideas" in 20th Century History focus on Nationalist movements as a uniting and dividing force, the impact of technology as an agent of change and the breakdown of Empires and new political systems. Students will have the opportunity to explore a diverse range of media including the major films and music that capture the major world events of the twentieth century. You will be able to develop your presentation skills and delve into topics of your interest. This course examines authoritarian regimes, civil wars, human rights movements, ethnic and religious and global conflicts, migration movements and international relations. Please ensure that you have checked with your counselor for university requirements and how that may affect your course selection.	SS
11/12	Physical Geography 12	This course will look at the natural forces that shape the world around us (everything from glaciation and gradation to plate tectonics). Time will be spent examining the area around Revelstoke as well as beyond. Students will embark on a number of trips into the field to study the processes that have shaped the local area and beyond....yes Field Trips! We will also look at how humans impact the environment and how this shapes weather patterns, climate, settlement and resource sustainability. This course will also include some map work, including understanding reading of maps and information with GPS and other modern tools used in the field today.	SS
11/12	Philosophy 12	"The unexamined life is not worth living" – Socrates.  Philosophy 12 uses the tools of logic and reason to analyze the ways in which humans experience the world. It teaches critical thinking, close reading, clear writing, and logical analysis; it uses these to understand the language we use to describe the world, and our place within it. Philosophy is a discipline that examines the fundamental nature of knowledge, reality, and existence. Some of the big ideas we will look at are how Philosophy provides tools for investigating meaning and fostering understanding of different ways of thinking. While philosophical questions often examine issues with no definitive answers, logic and reasoned arguments can show which answers have more or less value. If you like rationalism, justice, anarchism, nihilism and "The Good Life" this is the course for you. Please consult post-secondary school admission requirements. "I think therefore I am" ("Cogito, ergo sum") – René Descartes	SS
11	Physics 11	Students taking this course will embark on a 2600-year journey through physics starting with the ancient Greeks to Sir Isaac Newton, to Snell and to Ohm as they learn some of the key concepts that define motion of objects and waves. Topics of study include vectors, kinematics, projectile motion, dynamics, energy conservation, heat, waves and DC circuits. Students will learn how to write physics lab reports, as lab work will be used to enhance and replicate the theories presented. The problems in this course require students to be proficient in math – thus it is highly recommended that students have at least a C+ in Pre-Calculus/Foundations of math 10 prior to taking this course.	SC
11	Earth Science 11	In Earth Sciences 11 students will experience and interpret the local environment. They will plan, select, and use appropriate investigation methods, including field work and lab experiments, to collect reliable data. Students will gain an understanding of the properties of Earth's materials and the process of the rock cycle. They will analyze evidence to support the plate tectonic theory and interpret and apply data to understand weather, the atmosphere and the hydrolytic cycle. A unit on oceans and the ocean floor will be followed by local and global ocean currents. Astronomy, including the Earth-Moon-Sun system will be explored.	SC
11	Chemistry 11	Chemistry 11 provides basic chemical knowledge and skills required for a variety of trades, technical fields and professions that are science based. Laboratory work is a key focus in this course. Developing skills in measurement, use of scientific equipment, collection of reliable data and written communication of results will form a major portion of class time. Big Ideas in Chemistry 11 include how Atoms and Molecules are the building blocks of matter and how the Mole is a quantity used to make these particles measurable. The bonds between atoms are rearranged in a Chemical Reaction and during this change atoms and energy remain conserved. Organic Chemistry, a branch of chemistry that deals with Carbon based molecules, has implications for human health, society, and the Environment. A reasonable skill level in applied math (basic operations, scientific notation, ratios, percents, etc) will be required for the numerical nature of the topics in this course.	SC
11	Life Sciences 11	In this course students will build on their experimental and theoretical work in science and make observations aimed at identifying their own questions, including increasingly abstract ones about the natural world. The students will build on their knowledge of genetics and cell biology by exploring cell structure and function and levels of organization in biological systems. They will gain an in-depth understanding of micro and macro evolution and seek and analyze patterns in complexity amongst various life forms. Extensive laboratory work in microbiology as well as some animal dissections will be performed.	SC

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
11/12	Outdoor Education 11/12	Students enrolled in Outdoor Education 11/12 will be equipped with knowledge on environmental awareness, stewardship, leadership and safety in an outdoor setting. The main goal of OE 11/12 is to learn to safely out trip and much of this course will be field based. Students will spend time team building, trip planning and going on out trips in and around the Revelstoke area. Students will learn basic first aid and emergency response skills as well as gear care, use and set up, outdoor safety, survival and camp stove cooking, among some of the other major skills needed for specific outdoor pursuits. Outdoor Education 11/12 will prepare students to be leaders in an outdoor setting and open doors to many wilderness pursuits. This course will be both on and off timetable but will run as a normal block in the timetable with some out trips naturally running out of school time.	PE
10-12	Mountain Biking 10-12	This course will develop student riding skills. There are six fundamental skills that are combined to perform all maneuvers on a bike. These skills will be studied and practiced in depth. It will also teach bike maintenance and repair skills including trail side repairs, routine maintenance and complete overhauls. Students will learn risk management, and how to be prepared to ride their bike in the mountains. Respect for the environment, the trail development process, and aboriginal world views will be an integral part of the course. This course will be offered outside the regular timetable.	PE
11/12	Active Living 11/12 (Individual and Team Sports)	This course will focus on including physical activity as an important part of overall health and well-being. Students will participate in a variety of traditional, and recreational activities with the goal of finding enjoyable activities that they might be motivated to pursue in the future. Safety, injury prevention, and best practice in fitness and conditioning will also be included as we work through this course. Other topics of study and discussion will include etiquette; injury prevention and management; motivational factors; safety, fair play and leadership; and barriers to participation.	PE
10 -12	Fitness & Conditioning 11/12 (Super Fit)	This course is for students wanting a comprehensive course in modern strength and conditioning principles. Units of study include strength training, cardiovascular endurance, flexibility, nutrition, sports psychology, anatomy and physiology. This course is intended for students wanting to improve their overall personal fitness and develop a healthy lifestyle. It will help students understand and critically evaluate commonly accepted theories of fitness training. This course will be offered outside the regular timetable - twice a week in the morning/afternoon.	PE
11/12	Volleyball 11	This course is designed for students who would like to continue to improve on their volleyball skills and knowledge of the game as well as further their abilities in coaching. As students persevere with their personal skill development, they will also look at the technical and theoretical aspects of the game from a coaching perspective including the development of drills and practice plans. The class will take place on both indoor and outdoor courts as well as in a classroom setting.	PE
11-12	Basketball 11 & 12	This course is designed for students who would like to improve their basketball skills and knowledge. Students will be involved in skill development, team dynamics, strategies, video analysis, basketball specific training, basic coaching, officiating, and score keeping. The class will take place primarily in the gymnasium, as well as in the classroom setting.	PE
11-12	Exercise for Life 11/12 (Non-competitive)	This course is designed to introduce students to various exercise programs and activities to help promote life-long learning and participation. The activities offered have an option of being more “low impact” (students would have the ability to experience higher impact if personally desired) and provide students with the basic knowledge to continue on into the future. The course will include: strength, yoga, mind and body, Pilates, speed walking/walk-run/running programs, community exploration (including experiencing different fitness facilities in Revelstoke), activities in the pool and a unit on healthy lifestyle and nutrition.	PE
11	French 11	Students in this course will be building upon many of the skills and knowledge acquired in French 10. French 11 is conducted primarily in French and focuses on increasing fluency orally and in writing, as we explore the many opportunities requiring proficiency in French. This course will also explore different French regions and cultural expression. Students will participate in interactive projects and activities such as media/film analysis, videos, projects and language games. In addition, French 11 is also about understanding Francophone cultures within Canada and abroad, and it recognizes that language has been shaped by interactions of First Peoples and Francophone communities.	FR
10-12	Art Studio 10, 11, 12	Grade 10 – 12 art courses are all semester courses and project based, hands-on, student driven. Every course has a wide range of project themes and ways to interpret them. This allows students to work to their strengths and explore a wide range of mediums and areas of interest. This course includes working in all mediums, drawing, painting, and sculpting. It also allows students to try things like printmaking, and working in various mediums like charcoal, conte, acrylic, watercolors, ink, clay, plaster and even things like stone and glass. There are a variety of streams within this course that students can choose from, and it is possible to take a second stream if this course is selected twice. Here are the streams available within this course:  <ol style="list-style-type: none"> <li>1. <b>Art Studio:</b> Described above</li> <li>2. <b>Studio Arts (2D and 3D):</b> This stream focuses on mediums that are specifically 2-D (drawing and painting) or 3-D (ceramics and sculpture).</li> <li>3. <b>Media Arts:</b> This stream focuses more on using media/technology as an art medium. Students can use drawing tablets and digital art as well as photography, in addition to using traditional art methods. The themes in this class look more at things happening in the world and how those things are dealt with through the lens of social media and various other sources.</li> </ol>	FA

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
11	Photography 11	In this course students will build upon the knowledge and skill developed from Photography Level 1. Students will learn about specific styles of photography such as still life, landscapes, and portraiture, with a specific focus on creating and controlling the use of natural and artificial lighting. Students will also broaden their post processing abilities through looking at doing retouching and image enhancements. Students will also continue to examine images critically through regular critiques. At the end of this course students will submit a portfolio (or gallery walk) of their greatest work from the year. Students will also be going on weekly excursions. Students do not need to own a camera but are encouraged to bring their own if they can.	FA
10-12	Drama 10-12	Drama classes are designed to give students a hands-on opportunity to be involved in individual and groups activities that increase their skills and awareness on stage. Students will work on things like script writing and performance, writing monologues and dialogues. They will learn stagecraft and terminology, vocal production and enunciation, creating emotion and staying character, and a multitude of other skills that increase confidence and team building. This course is for the student who wishes to perform and be in front of an audience. Students will experience a variety of drama forms and drama conventions and be aware of the personal and social responsibility associated with creating, performing, and responding in drama. Students who take this class should want to be involved in all aspects of being on stage including things like character creation and development. The main objective of this is working towards acquiring skills that will be part of a full production at the end of the semester.	FA
10-12	Theatre Production 10 - 12	This course is for students who want to be more involved in the technical aspects of a production and learn about things like lighting and sound. Students learn how to set up a lighting grid, create sound effects and ultimately learn about the creation of props and stage sets; design and creation. They also get involved with props, costumes, hair, make-up and being stage manager. They will be responsible for all these facets during the full production at the end of the semester.	FA
11	Instrumental Music 11 - Concert Band	This course is designed for students who wish to further their studies of instrumental music in a concert band setting. Students will develop their individual technique and musicianship through various exercises, studies, music theory, and a wide variety of concert band literature. Students will perform in large ensembles and work collaboratively within their sections. Focuses of this course include: an emphasis on meaning, intent, and emotion in music. We will also explore Music and the unique ways it connects to our identity and sense of belonging.	FA
11	Choral Music 11	Choir is open to all students who wish to learn more about vocal technique and group performance. Choir builds confidence and relationships within the music community and encourages students to develop their individual creativity and expression. A variety of musical literature will be covered, with an emphasis on popular music. All abilities are welcome. <b>Rehearsals are outside of the timetable (Wednesday 7-9 pm)</b>	FA
9-12	Instrumental Music - Jazz Band (9-12)	This course is designed for students who have a special interest in jazz music and who would like to play in a smaller ensemble. Students will be exposed to different jazz styles such as swing, be-bop, blues, rock, and funk. Students' technical skills and musicianship are developed through jazz performance. <b>Rehearsals are outside of the timetable. (Monday 7-9 pm)</b>	FA
11	Food Studies 11	This is an in-depth course in the study of foods and nutrition. Advanced food preparation methods, nutrition update, career possibilities, and preparation for independent living are some of the topics that will be included for study. This is a lab-oriented course and students will be involved in cooperative teamwork. Students who are interested in pursuing careers in the food service industry, the health sciences and the tourism industry, as well as students who are interested in eating a varied and nutritious diet are encouraged to take this course. The first term will be focused on Youth Explore Trades Skills culinary arts modules cook and baker. Youth Explore Trades Skills allow you to gain valuable hands-on experience in important trade and manufacturing sectors. Second term will finish with a mini burger challenge. Prerequisite: None	ADST
11	Woodwork 11	In this course students will build upon the skills developed in Woodworking 10. Students will continue to learn more advanced techniques, gain further confidence working with tools, exposure to different materials, to give students more creative freedom in their designs. The primary focus of this course will be on joinery, how to properly make joints and when and where to use each type to optimize and strength student builds. Once students have successfully demonstrated the necessary skills and abilities, students will then have of opportunity to pursue builds of their choice utilizing these new skills and abilities. Students will then have the choice to explore more traditional woodworking practices and joinery projects AND/OR finer details of woodworking creating artistic, woodcraft and jewellery related projects. In addition to traditional woodworking, students will also be exposed to and encouraged to build and design projects using modern technology and software using the schools CNC machines. Students in this course will be required to cover the cost of any material and supplies consumed in this course.	ADST
11	Automotive Technology 11	Students will perform various automotive repairs and maintenance on their own vehicles. Students will learn the use of technical information and manuals for the purpose of diagnostics and repair. Students will utilize fundamental tools and equipment in the automotive shop. Students will learn how to safely lift vehicles on the automotive lifts in order to complete repairs.	ADST
11	Metalwork 11	This course emphasizes skills needed in a changing society. As a result, emphasis is given to the following areas: personal and project safety, health and safety, tools and equipment, materials, forming and joining process, cutting process, mathematical applications. This area emphasizes the development of safe and approved operational and maintenance skills associated with tools and equipment in related trade areas. It is expected that students will complete various lab activities and produce various projects.	ADST

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
9-12	Electronics & Robotics 10	In this introductory course students will explore the world of electronics and robotics. Students in this course will learn about the various types of electrical components that are used in common circuitry, as well as learn how to build circuits and the properties governing their function (Ohm's Law, Kirchhoff's Rules, etc...). Once students have a solid understanding of circuitry, they will then apply this knowledge in the coding and robotics portion of the course. In this section students will learn how to build and code a variety of circuits using the Arduino platform. Through this experience, students will gain the knowledge and skills that will allow them to build and design their own circuits by the end of the course. Students in this course will be required to pay a course fee to cover the cost of some of the basic items and materials supplied.	ADST
11	Youth Explore Trades Skills 11	This is an engaging program in which students use hands-on learning to acquire skills and knowledge related to the construction trades, and the automotive industry. A career in the trades is a stable, exciting, rewarding and challenging way to earn a good living. Explore different career paths while building trades-related projects. Learn basic automotive maintenance, use carpentry skills as you build a shed, work through electrical and plumbing projects that will introduce you to these exciting trades.	ADST
11/12	Tourism 12	Tourism is a significant economic driver in the province of BC. More importantly, this exciting and diverse industry has quickly become one of the primary fields of employment within the town of Revelstoke, BC. Tourism 12 will introduce Tourism as a post-secondary option and/or direct career path, which students can continue with locally, domestically and/or internationally. The primary goal of Tourism 12 is to help students prepare for the transition from secondary school to a sustainable career in the tourism industry. Students will have the opportunity to learn and practice employable skills as well as the technical and applied skills related to specific tourism related occupations within this diverse field.	ADST
11	Career Life Education 11B	This is a grade 11 2-credit continuation of Career Life Education A that was delivered in grade 10.	CAR
11/12	Explore: Trades Sampler 12A, B, C	The trades sampler program is for students in grades 11 and 12 who are strongly leaning towards a career in the trades. Students will sample 5 different trades over the course of the year, including a work experience block in one of the trades. This course requires students to complete an <b>application process</b> including references, before admission will be granted. Some of the trades covered will be Automotive, Electrical, and Welding. The remaining trades will be chosen based on student input. This course runs for half days yearlong, and as such requires a level of commitment and dedication similar to a college based trades program. Please see Mr. Weiler for further information.	
11/12	Youth Work in Trades	A paid apprenticeship in a certified trade must already be secured in order to register in this course.	CAR
10-12	Personal Leadership 10 -12	This course will help students better understand what is meant by intrapersonal and interpersonal skills and encourage the development of these skills in order to have a more positive impact on all aspects of their lives. The course will cover such topics as: self-awareness, personal responsibility, goal setting, time management, decision making, cooperation, communication, conflict resolution, public speaking, teamwork and stress management and overall health and wellness. Much of the learning will take place through class discussions, reflective assignments, and experiential learning activities.	BAA
10 -12	Indigenous Connections 10-12	Indigenous Connections 10, 11, 12 is designed to allow students to explore and deepen their understanding of local and personal Indigenous traditions. Students will participate in the development, design, and implementation of intergenerational, community-based projects that allow each student to showcase their own personal strengths and abilities. Students will have the opportunity to learn from a variety of sources including teachers, community leaders, Elders, Knowledge Keepers, and each other. Indigenous Connections provides many opportunities for the exploration of local medicinal botany, cultural traditions and knowledge, Indigenous authors, Indigenous art, understanding reconciliation, and participation in traditional events and celebrations. Students may also receive academic and/or personal support to enhance their learning in other courses.	BA
12	English Studies 12	English Studies 12 is the last chance to refine the language, grammar, creative, critical, persuasive, and technical skills that students will need before they fly off into the adult world of university, trades, business, or work. As such, students will focus on the practical and academic skills that everyone will need to function in life. Writing will include essay formats, personal compositions, and business formats. Literature choices draw from a range of non-fiction articles, poetry, short stories, novels, graphic texts, visual communication, movies, and various other forms. Using contemporary and relevant resources, students will be challenged to develop their language and thinking skills.	EN

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
12	English First Peoples 12	EFP 12 builds upon and extends students' previous learning experiences. The course is grounded in the First Peoples Principles of Learning. It is designed for all students, Aboriginal and non-Aboriginal, who are interested in delving deeply into First Peoples oral and written literature and visual texts in a range of media. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples voices.	EN
12	Literary Studies 12	Literature reflects life and this course is your mirror. Literary Studies 12 is a celebration of the genres, themes, and styles present in all that we read. The course explores the different psychologies, philosophies, and histories that authors have struggled with through the ages. Through reading, discussion, and writing, students will connect with a smorgasbord of mind-bending ideas.	EN
12	Writing 12	Writing 12 expands on previous courses and is designed for students who are interested in showcasing a sophisticated breadth and depth of skill. Using traditional and contemporary forms, students will experiment with various styles of creative written expression. Working through the entire writing process across various genres, students will workshop ideas in a collaborative classroom environment. Students should be comfortable expressing ideas in poetry, fiction, non-fiction, and various other forms.	EN
12	Pre Calc 12	This challenging, but exciting math course is intended for students who plan to enter a science, engineering or business related field after graduation. Due to the difficulty level and pace of this course it is highly recommended that students have at least a 70% in Pre-Calculus 11 prior to taking this course. If you are up for the challenge ... then you will build on concepts learned in Pre-Calculus 11 and apply them to the study of: Graphical transformations, polynomial theory, rational functions, logarithms, geometric sequence and series, trigonometric functions and trigonometric identities. If that wasn't enough to make you eager to sign up ... many units of this course contain a non-calculator section to assess the mathematical theory that is presented. Note: many post-secondary schools have a minimum percentage completion requirement for this course for entrance into their programs – consult your intended post-secondary school website for more information.	MA
12	Foundations of Math 12	This unique and exciting application-based Math 12 course enhances the skills learned in Foundations of Math 11. However, students with Pre-calculus 11 can also take, and be successful in, this course. Students will study: probability, combinatorics, set and logic theory, regression thru graphical analysis, the conic sections and financial planning. Coordinate graphing, equation solving, critical thinking and problem solving are used throughout this course: thus students must complete either Pre-Calculus 11 or Foundations 11 course prior to taking this course. (NOTE: this course does not meet the entrance requirements for post-secondary science programs but is required for certain nursing options– consult your intended post-secondary school website for more information)	MA
12	Apprenticeship Math 12	This unique application-based Math 12 elective is focused on the math skills needed for post-secondary trades and apprenticeship programs. Students will also develop skills that they can use on the job site. Topics of study include measurement, precision and conversions, applied right and non-right angle trigonometry, 3D objects, technical drawings and financial literacy. Students who have completed Workplace 11, Pre-calculus 11 or Foundations of Math 11 are eligible to take this course. (NOTE: this course does not meet the entrance requirements for post-secondary science programs but may be required for certain trade school options– consult your intended post-secondary school website for more information).	MA
12	Calculus 12	Students planning on pursuing careers in science, engineering, business or medicine are required to take a first-year post-secondary calculus course as part of their degree requirements. So why not get an upper hand on the material you will encounter in this wonderful, yet challenging RSS course. This useful course will expose students to the limit theory, differentiation, graphing and integration techniques encountered in post-secondary Calculus 1 and II. BC post-secondary schools highly recommend this elective and for students going to Alberta, this course will meet the Math 31 pre-requisite. Due to the difficulty level of this course it is recommended that students have at least 70% in Pre-Calculus 11. NOTE: this course does not meet the entrance requirements for post-secondary science programs and must be taken after or concurrently with Pre-Calculus 12.	MA
11/12	Law Studies 12	Law Studies is specifically designed to provide students with an introduction to many aspects of Canadian Law. The “Big Ideas” in Law Studies allow students to understand legal rights and responsibilities, see “Laws” as a force for change, focus on legal impacts on people’s daily lives and see how laws are interpreted. Criminal, Civil and Family Law, Indigenous legislation and traditional laws as well as Sentencing procedures, pre and post arrest, will also be considered. Students will have an opportunity to observe court, practice their role-playing skills pertaining to arguing cases, and be selected to put on a full court case in front of their parents and peers at the Revelstoke Court House. Please ensure that you have checked with your counselor for university requirements and how that may affect your course selection.	SS

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
11/12	20th Century World History 12	20th Century World History is a dynamic senior course. “The Big Ideas” in 20th Century History focus on Nationalist movements as a uniting and dividing force, the impact of technology as an agent of change and the breakdown of Empires and new political systems. Students will have the opportunity to explore a diverse range of media including the major films and music that capture the major world events of the twentieth century. You will be able to develop your presentation skills and delve into topics of your interest. This course examines authoritarian regimes, civil wars, human rights movements, ethnic and religious and global conflicts, migration movements and international relations. Please ensure that you have checked with your counselor for university requirements and how that may affect your course selection.	SS
11/12	Physical Geography 12	This course will look at the natural forces that shape the world around us (everything from glaciation and gradation to plate tectonics). Time will be spent examining the area around Revelstoke as well as beyond. Students will embark on a number of trips into the field to study the processes that have shaped the local area and beyond....yes Field Trips! We will also look at how humans impact the environment and how this shapes weather patterns, climate, settlement and resource sustainability. This course will also include some map work, including understanding reading of maps and information with GPS and other modern tools used in the field today.	SS
11/12	Philosophy 12	“The unexamined life is not worth living” – Socrates.  Philosophy 12 uses the tools of logic and reason to analyze the ways in which humans experience the world. It teaches critical thinking, close reading, clear writing, and logical analysis; it uses these to understand the language we use to describe the world, and our place within it. Philosophy is a discipline that examines the fundamental nature of knowledge, reality, and existence. Some of the big ideas we will look at are how Philosophy provides tools for investigating meaning and fostering understanding of different ways of thinking. While philosophical questions often examine issues with no definitive answers, logic and reasoned arguments can show which answers have more or less value. If you like rationalism, justice, anarchism, nihilism and “The Good Life” this is the course for you. Please consult post-secondary school admission requirements. “I think therefore I am” (“Cogito, ergo sum”) – René Descartes	SS
12	Physics 12	Students taking this course will conclude the 2600-year journey they started in physics 11 and meet the physics requirements for entrance into post-secondary engineering, physics and chemistry programs. Topics of study include vectors, projectile motion, dynamics, energy conservation, momentum theory, static equilibrium, circular motion, electrostatics, DC circuits and electromagnetism. Note: This is not a lab-based course – it is theoretical physics and students must be proficient in math to handle the content presented – thus it is highly recommended that students have at least a 70% in Pre-Calculus 11 prior to taking this course.	SC
12	Anatomy & Physiology 12	In Anatomy and Physiology 12 students will continue to use their knowledge of scientific concepts to draw conclusions that are consistent with evidence. They will analyze cause-and-effect relationships to help explain how homeostasis is maintained in physiological systems. Students will gain an in-depth understanding of genetics by studying how gene expression, through protein synthesis, is an interaction between genes and the environment. Finally, students will be introduced to human organ systems with respect to their structure and function, structural and functional interdependence and maintenance of homeostasis. Laboratory work will be performed each week, including extensive mammalian dissections.	SC
12	Chemistry 12	Chemistry 12 provides more advanced chemical knowledge and skills required for a variety of technical fields and professions that are science based. Chemistry 12 is an asset for those planning on taking Sciences at post secondary. Laboratory work is a key focus in this course. Developing skills in measurement, use of scientific equipment, collection of reliable data and written communication of results will form a major portion of class time. Big Ideas in Chemistry 12 include how reactants must collide to react, and that the reaction rate is dependent on surrounding conditions. Reversible reactions are introduced in this course, and the resulting equilibriums established form the basis of learning about saturated solutions and acid-base chemistry. Oxidation and Reduction are complementary processes that involve the gain or loss of electrons. A reasonable skill level in basic algebra and applied math will be required for the numerical nature of the topics in this course.	SC
11/12	Outdoor Education 11/12	Students enrolled in Outdoor Education 11/12 will be equipped with knowledge on environmental awareness, stewardship, leadership and safety in an outdoor setting. The main goal of OE 11/12 is to learn to safely out trip and much of this course will be field based. Students will spend time team building, trip planning and going on out trips in and around the Revelstoke area. Students will learn basic first aid and emergency response skills as well as gear care, use and set up, outdoor safety, survival and camp stove cooking, among some of the other major skills needed for specific outdoor pursuits. Outdoor Education 11/12 will prepare students to be leaders in an outdoor setting and open doors to many wilderness pursuits. This course will be both on and off timetable but will run as a normal block in the timetable with some out trips naturally running out of school time.	PE
10-12	Mountain Biking 10-12	This course will develop student riding skills. There are six fundamental skills that are combined to perform all maneuvers on a bike. These skills will be studied and practiced in depth. It will also teach bike maintenance and repair skills including trail side repairs, routine maintenance and complete overhauls. Students will learn risk management, and how to be prepared to ride their bike in the mountains. Respect for the environment, the trail development process, and aboriginal world views will be an integral part of the course. This course will be offered outside the regular timetable.	PE

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
11/12	PE: Active Living 11/12	This course will focus on including physical activity as an important part of overall health and well-being. Students will participate in a variety of traditional, and recreational activities with the goal of finding enjoyable activities that they might be motivated to pursue in the future. Safety, injury prevention, and best practice in fitness and conditioning will also be included as we work through this course. Other topics of study and discussion will include etiquette; injury prevention and management; motivational factors; safety, fair play and leadership; and barriers to participation.	PE
10 -12	Fitness & Conditioning 11/12 (Super Fit)	This course is for students wanting a comprehensive course in modern strength and conditioning principles. Units of study include strength training, cardiovascular endurance, flexibility, nutrition, sports psychology, anatomy and physiology. This course is intended for students wanting to improve their overall personal fitness and develop a healthy lifestyle. It will help students understand and critically evaluate commonly accepted theories of fitness training. This course will be offered outside the regular timetable - twice a week in the morning/afternoon.	PE
11	Volleyball 11	This course is designed for students who would like to continue to improve on their volleyball skills and knowledge of the game as well as further their abilities in coaching. As students persevere with their personal skill development, they will also look at the technical and theoretical aspects of the game from a coaching perspective including the development of drills and practice plans. The class will take place on both indoor and outdoor courts as well as in a classroom setting.	PE
11-12	Basketball 11 & 12	This course is designed for students who would like to improve their basketball skills and knowledge. Students will be involved in skill development, team dynamics, strategies, video analysis, basketball specific training, basic coaching, officiating, and score keeping. The class will take place primarily in the gymnasium, as well as in the classroom setting.	PE
11-12	Exercise for Life 11/12	This course is designed to introduce students to various exercise programs and activities to help promote life-long learning and participation. The activities offered have an option of being more "low impact" (students would have the ability to experience higher impact if personally desired) and provide students with the basic knowledge to continue on into the future. The course will include: strength, yoga, mind and body, pilates, speed walking/walk-run/running programs, community exploration (including experiencing different fitness facilities in Revelstoke), activities in the pool and a unit on healthy lifestyle and nutrition.	PE
12	French 12	French 12 is encouraged for students who wish to continue their use of the language through professional and personal opportunities post-graduation. It is also offered to students who have more advanced proficiency in French and would like more of a challenge than lower-level French classes. Having a second language is a very large asset in our increasing global world and a valuable tool for employment opportunities. French 12 is conducted primarily in French and will focus on increasing fluency orally and in writing. This course will also continue to explore regional variations in French and cultural expression. There is an emphasis on personal response and engaging in meaningful conversations on a variety of topics of interest, which may be achieved through conversation cafes, a tourism unit, and media-based projects. French 12 is also about examining Francophone cultures around the world, highlighting cultural awareness and social responsibility, and recognizing that language has been shaped by interactions of First Peoples and Francophone communities.	FR
10-12	Art Studio 10, 11, 12	Grade 10 – 12 art courses are all semester courses and project based, hands-on, student driven. Every course has a wide range of project themes and ways to interpret them. This allows students to work to their strengths and explore a wide range of mediums and areas of interest. This course includes working in all mediums, drawing, painting, and sculpting. It also allows students to try things like printmaking, and working in various mediums like charcoal, conte, acrylic, watercolors, ink, clay, plaster and even things like stone and glass. There are a variety of streams within this course that students can choose from, and it is possible to take a second stream if this course is selected twice. Here are the streams available within this course: <ol style="list-style-type: none"> <li>1. <b>Art Studio:</b> Described above</li> <li>2. <b>Studio Arts (2D and 3D):</b> This stream focuses on mediums that are specifically 2-D (drawing and painting) or 3-D (ceramics and sculpture).</li> <li>3. <b>Media Arts:</b> This stream focuses more on using media/technology as an art medium. Students can use drawing tablets and digital art as well as photography, in addition to using traditional art methods. The themes in this class look more at things happening in the world and how those things are dealt with through the lens of social media and various other sources.</li> </ol>	FA
12	Photography 12	In this course students will build upon the knowledge and skill developed from Photography Level 1. Students will learn about specific styles of photography such as still life, landscapes, and portraiture, with a specific focus on creating and controlling the use of natural and artificial lighting. Students will also broaden their post processing abilities through looking at doing retouching and image enhancements. Students will also continue to examine images critically through regular critiques. At the end of this course students will submit a portfolio (or gallery walk) of their greatest work from the year. Students will also be going on weekly excursions. Students do not need to own a camera but are encouraged to bring their own if they can.	FA
10-12	Drama 10-12	Drama classes are designed to give students a hands-on opportunity to be involved in individual and groups activities that increase their skills and awareness on stage. Students will work on things like script writing and performance, writing monologues and dialogues. They will learn stagecraft and terminology, vocal production and enunciation, creating emotion and staying character, and a multitude of other skills that increase confidence and team building. This course is for the student who wishes to perform and be in front of an audience. Students will experience a variety of drama forms and drama conventions and be aware of the personal and social responsibility associated with creating, performing, and responding in drama. Students who take this class should want to involved in all aspects of being on stage including things like character creation and development. The main objective of this is working towards acquiring skills that will be part of a full production at the end of the semester.	FA

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
10-12	Theatre Production 10 - 12	This course is for students who want to be more involved in the technical aspects of a production and learn about things like lighting and sound. Students learn how to set up a lighting grid, create sound effects and ultimately learn about the creation of props and stage sets; design and creation. They also get involved with props, costumes, hair, make-up and being stage manager. They will be responsible for all these facets during the full production at the end of the semester.	FA
12	Instrumental Music 12 - Concert Band	This course is designed for students who wish to further their studies of instrumental music in a concert band setting. Students will develop their individual technique and musicianship through various exercises, studies, music theory, and a wide variety of concert band literature. Students will perform in large ensembles and work collaboratively within their sections. Focuses of this course include: an emphasis on meaning, intent, and emotion in music. We will also explore Music and the unique ways it connects to our identity and sense of belonging.	FA
12	Choral Music 12	Choir is open to all students who wish to learn more about vocal technique and group performance. Choir builds confidence and relationships within the music community and encourages students to develop their individual creativity and expression. A variety of musical literature will be covered, with an emphasis on popular music. All abilities are welcome. <b>Rehearsals are outside of the timetable (Wednesday 7-9 pm)</b>	FA
9-12	Instrumental Music - Jazz Band (9-12)	This course is designed for students who have a special interest in jazz music and who would like to play in a smaller ensemble. Students will be exposed to different jazz styles such as swing, be-bop, blues, rock, and funk. Students' technical skills and musicianship are developed through jazz performance. <b>Rehearsals are outside of the timetable. (Monday 7-9 pm)</b>	FA
12	Food Studies 12	This is an in-depth course in the study of foods and nutrition. Advanced food preparation methods, nutrition update, career possibilities, and preparation for independent living are some of the topics that will be included for study. This is a lab-oriented course and students will be involved in cooperative teamwork. Students who are interested in pursuing careers in the food service industry, the health sciences and the tourism industry, as well as students who are interested in eating a varied and nutritious diet are encouraged to take this course. The first term will be focused on Youth Explore Trades Skills culinary arts modules cook and baker. Youth Explore Trades Skills allow you to gain valuable hands-on experience in important trade and manufacturing sectors. Second term will finish with a mini burger challenge. Prerequisite: None	ADST
12	Automotive Technology 12	Students will expand on their knowledge from the Grade 11 course and complete more complex repairs on vehicles in the shop. Students will have an opportunity to modify their vehicles using advanced tools and equipment. Electrical testing and diagnostics will be covered. Students will learn the standards for inspection procedures and how to improve their interpersonal skills in a trade setting.	ADST
12	Engine & Drive Train 12	This is a senior automotive course for students who have already completed Automotive 11 & 12. Must be approved by Mr. Weiler.	ADST
12	Metalwork 12	This course emphasizes skills needed in a changing society. As a result, emphasis is given to the following areas: personal and project safety, health and safety, tools and equipment, materials, forming and joining process, cutting process, mathematical applications. This course includes a focus on identifying and using a variety of metals. This area emphasizes the development of safe and approved operational and maintenance skills associated with tools and equipment in related trade areas. It is expected that students will complete various lab activities and produce various projects.	ADST
12	Woodwork 12	In this course students will apply the knowledge and skills developed from previous years to the test. Students will have a solid foundation of tools and their applications, understanding material choice and selection, as well as various joinery techniques and applications. Students will be encouraged to design their own project that demonstrates and challenges their skills and ability. Students will explore and understand relationship between form and function through individually designed projects. Emphasis in this course is for students to use critical analysis to design and construct a project of high quality made mainly from wood and wood products, using machining and joining processes. In addition to traditional woodworking, students will also be exposed to and encouraged to build and design projects using modern technology and software using the schools CNC machines. Students in this course will be required to cover the cost of any material and supplies consumed in this course.	ADST
9-12	Electronics & Robotics 10	In this introductory course students will the explore the world of electronics and robotics. Students in this course will learn about the various types of electrical components that are used in common circuitry, as well as learn how to build circuits and the properties governing their function (Ohm's Law, Kirchhoff's Rules, etc...). Once students have a solid understanding of circuitry, they will then apply this knowledge in the coding and robotics portion of the course. In this section students will learn how to build and code a variety of circuits using the Arduino platform. Through this experience, students will gain the knowledge and skills that will allow them to build and design their own circuits by the end of the course. Students in this course will be required to pay a course fee to cover the cost of some of the basic items and materials supplied.	ADST
12	Youth Explore Trades Skills 12	This is an engaging program in which students use hands-on learning to acquire skills and knowledge related to the construction trades, and the automotive industry. A career in the trades is a stable, exciting, rewarding and challenging way to earn a good living. Explore different career paths while building trades-related projects. Learn basic automotive maintenance, use carpentry skills as you build a shed, work through electrical and plumbing projects that will introduce you to these exciting trades.	ADST

## 2020-2021 RSS Course Offerings

Grade	Course	Course Descriptions	Section
11/12	Tourism 12	Tourism is a significant economic driver in the province of BC. More importantly, this exciting and diverse industry has quickly become one of the primary fields of employment within the town of Revelstoke, BC. Tourism 12 will introduce Tourism as a post-secondary option and/or direct career path, which students can continue with locally, domestically and/or internationally. The primary goal of Tourism 12 is to help students prepare for the transition from secondary school to a sustainable career in the tourism industry. Students will have the opportunity to learn and practice employable skills as well as the technical and applied skills related to specific tourism related occupations within this diverse field.	ADST
12	Career Life Connections	This course focuses on applying personal career-life management knowledge, skills, and strategies to the one's own personal life journey. It includes completion of 30hours of volunteer or work experience, as well as designing, assembling, and presenting a capstone to an audience, celebrating the learning journey and next steps toward preferred futures.	CAR
12	Work Experience 12	Students enrolled in this course will complete written assignments and work 90 hours in a field of their choice, if available. Students may be required to schedule a spare, adjacent to their Work Experience block, or to work outside of school hours so they can complete their hours by the end of the semester. While on work experience, students are expected to learn as much as they can about their job choices, build their skills, and develop a positive work ethic. Work Experience students receive no monetary remuneration and are covered by Workers Compensation.	CAR
12	Youth Work in Trades	A paid apprenticeship in a certified trade must already be secured in order to register in this course.	CAR
11/12	Explore: Trades Sampler 12A, B, C	The trades sampler program is for students in grades 11 and 12 who are strongly leaning towards a career in the trades. Students will sample 5 different trades over the course of the year, including a work experience block in one of the trades. This course requires students to complete an application process including references, before admission will be granted. Some of the trades covered will be Automotive, Electrical, and Welding. The remaining trades will be chosen based on student input. This course runs for half days yearlong, and as such requires a level of commitment and dedication similar to a college based trades program. Please see Mr. Weiler for further information.	
10-12	Personal Leadership 10 -12	This course will help students better understand what is meant by intrapersonal and interpersonal skills and encourage the development of these skills in order to have a more positive impact on all aspects of their lives. The course will cover such topics as: self-awareness, personal responsibility, goal setting, time management, decision making, cooperation, communication, conflict resolution, public speaking, teamwork and stress management and overall health and wellness. Much of the learning will take place through class discussions, reflective assignments, and experiential learning activities.	BAA
10 -12	Indigenous Connections 10-12	Indigenous Connections 10, 11, 12 is designed to allow students to explore and deepen their understanding of local and personal Indigenous traditions. Students will participate in the development, design, and implementation of intergenerational, community-based projects that allow each student to showcase their own personal strengths and abilities. Students will have the opportunity to learn from a variety of sources including teachers, community leaders, Elders, Knowledge Keepers, and each other. Indigenous Connections provides many opportunities for the exploration of local medicinal botany, cultural traditions and knowledge, Indigenous authors, Indigenous art, understanding reconciliation, and participation in traditional events and celebrations. Students may also receive academic and/or personal support to enhance their learning in other courses.	BAA
11/12	Teacher Assistant	This is a participatory course that prepares and motivates students to provide leadership and assistance to individuals with a variety of needs. Students wishing to take the course should have a strong academic background in the area for which they are applying, be a strong role model and demonstrate leadership skills. Students will work under the supervision of a classroom teacher to provide assistance to individuals and / or small groups in a variety of learning activities. They will develop social responsibility while acquiring and developing skills in communication, responsibility, decision-making, learning styles, interpersonal relations, leadership and teamwork. They will apply these skills in roles such as tutoring and mentoring. Student Teacher Assistants will learn the value and complexity of social diversity while acquiring an appreciation of the importance of life-long learning and helping others.	BAA