

Course	Course Summary
9 ADST - Food Studies	In this course students will build their cooking skills by preparing familiar fun and simple meals, as well as some more adventurous and complex recipes. Students will start to develop creativity in the kitchen by learning how to build and complement flavours. We will study nutrition, food ethics, traditional Indigenous foods, and sustainability. Students will gain confidence in the kitchen and improve their knowledge of safe food handling procedures.
9 ADST - Info Tech 9 (Computers)	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.
9 ADST - Woodwork A	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 wood shop 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 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.
9 ADST: Tech Ed (Shop)	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.
9 ARTS EDUCATION 9	Arts Education 9 is a hands-on project-based course that explores the relationships between place, culture and society through craft work. Students will leave the course having experienced the art of creating functional items through guided artistic explorations that feature techniques such as knitting, beading, sewing, and leather work. This course meets the fine arts requirement at the Grade 9 level.
9 CAREER EDUCATION 9	Career Education 9 builds on Career Education 8 and creates a strong foundation for the Career Life plans in senior years. It is a dynamic off-timetable course with six career days spaced throughout the school year and a focus on making connections within our community. 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, students 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.
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.
9 ENGLISH LANGUAGE ARTS 9	English 9 builds on the experiences and skills developed in English 8. This course presents a range of texts and media to help students develop their comprehension, creativity, and 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.
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.

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9 MATHEMATICS 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.
9 MUSIC 9	This course is designed for students who wish to further their studies of instrumental music in a concert band setting. There will be an emphasis on the fundamentals of instrumental technique as students work toward developing a beautiful and characteristic sound. Students will develop their individual technique and musicianship through various exercises, studies, music theory, and a wide variety of concert band literature. Particular attention will be given to developing the ensemble sound. Students will participate in a variety of school concerts and other special events.
9 MUSIC 9 JAZZ BAND	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. Rehearsals will be one evening a week from 7-9 pm.
9 Outdoor Education 9	Outdoor Education focuses on the pillars of outdoor connections, physical health, environmental stewardship, and leadership. Students will participate in a variety of outdoor class experiences along with some in school projects, building connection to the local community.
9 Physical & Health Education 9: Fit for Life	PHE-09: Fit for Life is a course 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.
9 PHYSICAL AND HEALTH EDUCATION 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.
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.
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.
9 VISUAL ARTS 9	This is an entry level art course that exposes student to a wide variety of themes using 2-D and/or 3D mediums. The mediums used will be determined and dependent on time and availability of supplies but will include drawing, painting, and other techniques. It will also expose students to learning various skills and techniques in different mediums.
10 ADST – POWER TECHNOLOGY 10	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.
10 ADST – WOODWORK 10	In this course students will build upon the skills developed in Woodworking 9 as they broaden their knowledge base. Students will begin to learn more specialized techniques and practices and gain further confidence in working with tools, different materials, and processes to produce high quality work. Through a series of pre-determined projects, students will learn additional joinery techniques. 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 and woodcraft 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.
10 BASKETBALL 10 BAA	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.
10 CAREER EDUCATION A	This is a 2-credit course delivered in grade 10. It allows students to explore self-awareness and interests and utilize their knowledge to navigate career-life choices and opportunities. Students develop the skills to learn, adapt and manage their career-life journeys.

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10 DRAMA 10	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
10 DRAMA 10: THEATRE PRODUCTION	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.
10 EFP LITERARY STUDIES 10	English First Peoples 10 is grounded in the First Peoples' Principles of Learning and will focus on authentic First Peoples' voices. It is designed for Indigenous and non-Indigenous students who are interested in exploring oral histories and written texts. Discussions and projects will focus on the values, beliefs, and experiences of First Peoples as presented in story, poetry, song, film, and prose. English First Peoples 10 meets the Indigenous course requirement for graduation.
10 FOOD STUDIES 10	Students will broaden and deepen their understanding of food, nutrition, and cooking in this hands-on course through cooking labs and projects. We will look at the global and local food system, learn more about nutrition and fueling your body, explore food equity issues, and learn about a variety of foods cultures and traditions from around the world all while maintaining a food safe environment. Expect to cook often and to try foods/meals that you may not have yet!
10 FOUNDATIONS OF MATH AND PRE- CALCULUS 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
10 FRENCH 10	In this course, students will build 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.
10 INSTRUMENTAL MUSIC: CONCERT BAND 10	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.
10 INSTRUMENTAL MUSIC: JAZZ BAND 10	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. Rehearsals will be one evening a week from 7-9 pm.
10 LEADERSHIP 10 (Off-timetable)	The Leadership program provides many opportunities for students to become meaningfully involved in both school and community activities. Students who take this course will develop a life-long appreciation of contributing to their school, their community and helping others. Leadership students will learn to plan, organize, and lead events while working as a team towards our goals. The purpose of
10 LITERARY STUDIES 10	This course encourages students to play with language and ideas. Students will develop their writing skills as they explore a range of texts including short stories, novels, drama, music, poetry, and film. Classroom discussion will develop critical thinking skills and expand horizons; formal writing assignments will engage students' critical and creative thinking and projects will offer choice as students develop their voice.
10 PHYSICAL & HEALTH EDUCATION 10: FIT FOR LIFE	PHED 10: Fit for Life is a course 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

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10 PHYSICAL AND HEALTH EDUCATION 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 PHED 10 is to gain the knowledge, movement skills, and positive attitudes and behaviours that contribute to lifelong physical health and mental well-being.
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
10 SKATEBOARD 10	This course is designed for students who would like to improve their skateboarding skills and/or skate knowledge. Whether you are a “practically-pro” shredder or have never stood on a board before, this course can be tailored to meet your needs. The class will take place as much as possible at the local skatepark and skate spots surrounding the school. When the weather doesn’t allow for us to be outside, students will be involved in a variety of skate related projects, which may include designing and building a skateboard or skateable features, video and photography editing, brand development and marketing.Students in this course will be required to cover the cost of any material and supplies consumed in this course.
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.
10 STUDIO ARTS 2D 10	Studio Arts 2D 10 - 12 art courses are semester-long courses, which are project based, hands-on, and increasingly student driven the higher the grade level. Grade 10 students will be introduced to some new mediums before they start their projects, where grade 11 and 12 students will have more freedom. This allows students to work to their strengths and explore a wide range of mediums and areas of interest. Working in 2D would include things like drawing, painting, printmaking. Some 2D mediums could include charcoal, graphite, conte, acrylic, watercolors, mixed media, and ink.
10 STUDIO ARTS 3D 10	Studio Arts 3D 10 -12 art courses are semester-long courses, which are project based, hands-on, and increasingly student driven the higher the grade level. Grade 10 students will be introduced to some new mediums before they start their projects, where grade 11 and 12 students will have more freedom, which will allow students to explore the mediums that they prefer. Working in 3D would include things like pottery, and sculpture. Examples of 3D mediums could include casting, plaster, glass, wax, pottery and glazes.
10 VOLLEYBALL 10 BAA	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.
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 to metric and imperial conversions, right triangle trigonometry, applications
11 ACTIVE LIVING 11	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.
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.
11 BASKETBALL 11 BAA	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.
11 CAREER EDUCATION B	This is a 2-credit continuation of CLEA and is delivered in grade 11. It allows students to explore self-awareness and interests and utilize their knowledge to navigate career-life choices and opportunities. Students develop the skills to learn, adapt and manage their career-life journeys.

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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.
11 COMPUTER SCIENCE 11	In Computer Science 11, students will learn the foundations of digital computation and write their own computer programs in programming languages such as Scratch and Java. Mathematical ideas will be analyzed and computational problems will be solved through student-made computer programs. Basic programming structures such as variables, loops, modular methods/functions, and algorithms will be used to develop computer programming skills in the context of mathematical problems. Students will develop the background knowledge, critical thinking, and problem solving skills needed for the further studies in computer science that those going into STEM fields require.
11 CREATIVE WRITING 11	Creative Writing 11 is designed for students who are interested in developing confidence and refining their writing skills through self-expression for various creative purposes. The course provides students with in-depth opportunities to explore personal and cultural identities, memories, and stories in a wide range of genres. Students will collaborate and strengthen their skills through writing and design processes. This course is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they reflect on, adjust, and extend their writing skills. This course prepares students for both English Studies 12 and English First Peoples 12.
11 DRAMA 11	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.
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.
11 FITNESS AND CONDITIONING 11	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 and afternoon..
11 FOOD STUDIES 11	Students will broaden and deepen their understanding of food, nutrition, and cooking in this hands-on course through cooking labs and projects. We will look at the global and local food system, learn more about nutrition and fueling your body, explore food equity issues, and learn about a variety of foods cultures and traditions from around the world all while maintaining a food safe environment. Expect to cook often and to try foods/meals that you may not have yet!
11 FOUNDATIONS OF MATHEMATICS 11	This application-based Math 11 course is intended for students who plan to enter Nursing, Humanities, Faculty of Arts program after graduation. (NOTE: this course does not meet the entrance requirements for some 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.
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.

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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.
11 INSTRUMENTAL MUSIC 11: JAZZ BAND	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. Rehearsals will be one evening a week from 7-9 pm.
11 LEADERSHIP 11 (Off-timetable)	The Leadership program provides many opportunities for students to become meaningfully involved in both school and community activities. Students who take this course will develop a life-long appreciation of contributing to their school, their community and helping others. Leadership students will learn to plan, organize, and lead events while working as a team towards our goals. The purpose of leadership is to have students learn leadership skills and to motivate others to make a difference in their school and in their community. The leadership class will also organize and participate in activities that will improve wellness. Senior students will connect with students in all grades through an area of passion.
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.
11 LITERARY STUDIES 11	Literary Studies 11 allows students to delve deeply into literature respectfully exchanging ideas and viewpoints through a variety of oral, written and design tasks. Students will explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of mediums. The course will provide opportunities for students to expand their development as educated global citizens as they delve into texts to decipher meaning, establish opinions and create meaning. This course prepares students for both English Studies 12 and English First Peoples 12.
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.
11 PRE-CALCULUS 11	This algebra-based 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. Factoring, coordinate graphing, equation and problem solving are used extensively in this course – thus it is highly recommended that students have at least a C+ 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.
11 SKATEBOARD 11	This course is designed for students who would like to improve their skateboarding skills and/or skate knowledge. Whether you are a “practically-pro” shredder or have never stood on a board before, this course can be tailored to meet your needs. The class will take place as much as possible at the local skatepark and skate spots surrounding the school. When the weather doesn't allow for us to be outside, students will be involved in a variety of skate related projects, which may include designing and building a skateboard or skateable features, video and photography editing, brand development and marketing. Students in this course will be required to cover the cost of any material and supplies consumed in this course.
11 STUDIO ARTS 2D 11	Studio Arts 2D 10 - 12 art courses are semester-long courses, which are project based, hands-on, and increasingly student driven the higher the grade level. Grade 10 students will be introduced to some new mediums before they start their projects, where grade 11 and 12 students will have more freedom. This allows students to work to their strengths and explore a wide range of mediums and areas of interest. Working in 2D would include things like drawing, painting, printmaking. Some 2D mediums could include charcoal, graphite, conte, acrylic, watercolors, mixed media, and ink.
11 STUDIO ARTS 3D 11	Studio Arts 3D 10 -12 art courses are semester-long courses, which are project based, hands-on, and increasingly student driven the higher the grade level. Grade 10 students will be introduced to some new mediums before they start their projects, where grade 11 and 12 students will have more freedom, which will allow students to explore the mediums that they prefer. Working in 3D would include things like pottery, and sculpture. Examples of 3D mediums could include casting, plaster, glass, wax, pottery and glazes.
11 TEACHER ASSISTANT 11 BAA	This course creates an opportunity for you to help students and teachers in a classroom setting. Students who take this course should be a good role model, knowledgeable in their subject area, and willing to develop and demonstrate leadership skills. You work under the supervision of a classroom teacher and assist individual students or groups in a variety of learning activities. As you mentor, create, organize, demonstrate, and assist; you will learn more about the classroom, students, teaching, and yourself.

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11 THEATRE PRODUCTION 11	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.
11 VOLLEYBALL 11 BAA	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.
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 and woodcraft 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.
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 consult post-secondary school admission requirements.
12 ACTIVE LIVING 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.
12 ANATOMY AND 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.
12 APPRENTICESHIP MATHEMATICS 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 may not meet the entrance requirements of certain post-secondary programs. It may be required for certain trade school options. Please consult post-secondary school admission requirements for details about math requirements for individual programs.
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.
12 BASKETBALL 12 BAA	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.
12 BC FIRST PEOPLES 12	B.C. First Peoples 12 focuses on the diversity, depth, and integrity of the cultures of British Columbia's Indigenous Peoples. In emphasizing the languages, culture, and history of Indigenous peoples, the course addresses an important part of the history of British Columbia. The course provides an opportunity for BC students to acquire knowledge and understanding of the traditions, history, and present realities of BC Indigenous peoples, as well as a chance to consider future challenges and opportunities. BC First Peoples 12 meets the Indigenous course requirement for graduation.

Course	Course Summary
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. 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 math entrance requirements for post-secondary programs and must be taken after or concurrently with Pre-Calculus 12.
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 30 hours 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.
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.
12 DRAMA 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.
12 ENGINE AND DRIVETRAIN 12	This is a senior automotive course for students who have already completed Automotive 11 & 12. Must be approved by Mr. Weiler.
12 ENGLISH FIRST PEOPLES 12	English 12 First Peoples is grounded in the First Peoples' Principles of Learning and will focus on authentic First Peoples' voices. It is designed for Indigenous and non-Indigenous students who are interested in delving deeper into oral histories and written texts. Discussions and projects will focus on the values, beliefs, and experiences of First Peoples as presented in story, poetry, song, film, and prose. English 12 First Peoples meets the Indigenous course requirement for graduation.
12 ENGLISH STUDIES 12	English Studies 12 develops the creative, critical, persuasive, and technical skills that students will need before they fly off into the adult world. Writing will include personal compositions, essays, and technical writing. Literature choices draw from a range of non-fiction articles, poetry, short stories, novels, movies, and various other forms. Using contemporary and relevant resources, students will be challenged to refine their language and thinking skills.
12 ENVIRONMENTAL SCIENCE 12	Environmental Science 12 deals with the environment which we live in and our interaction with it. It is a new and upcoming field of Science, which can lead to various career in green energy development, engineering, urban planning, ecology and more. In this course students will study the complex roles and relationships that contribute to diversity of ecosystems, the natural processes that maintain the changing of ecosystems, how human practices affect the sustainability of ecosystems, and how humans can play a role in the stewardship and restoration of ecosystems.
12 Explore: Trades Sampler (ITA) 12A	The trade 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. The application deadline for the 26/27 program is February 27, 2026 at 9 am.
12 FITNESS AND CONDITIONING 12	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 and afternoon.
12 FOOD STUDIES 12	Students will broaden and deepen their understanding of food, nutrition, and cooking in this hands-on course through cooking labs and projects. We will look at the global and local food system, learn more about nutrition and fueling your body, explore food equity issues, and learn about a variety of foods cultures and traditions from around the world all while maintaining a food safe environment. Expect to cook often and to try foods/meals that you may not have yet!

Course	Course Summary
12 FOUNDATIONS OF MATHEMATICS 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 through 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 some post-secondary science programs. Please consult post-secondary school admission requirements for details about math requirements for individual programs.
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.
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.
12 INSTRUMENTAL MUSIC 12: JAZZ BAND	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. Rehearsals will be one evening a week from 7-9 pm.
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 consult post-secondary school admission requirements.
12 LEADERSHIP 12 (Off-timetable)	The leadership program provides many opportunities for students to become meaningfully involved in both school and community activities. Students who take this course will develop a life-long appreciation of contributing to their school, their community and helping others. Leadership students will learn to plan, organize, and lead events while working as a team towards our goals. The purpose of leadership is to have students learn leadership skills and to motivate others to make a difference in their school and in their community. The leadership class will also organize and participate in activities that will improve wellness. Senior students will connect with students in all grades through an area of passion.
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
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.
12 PHYSICS 12	Students taking this course will conclude the 2600-year journey that they started in physics 11 and meet the physics requirements for entrance into post-secondary engineering, physics and chemistry programs. Topics of study include: angled launch projectile motion and dynamic systems, conservation of momentum and energy, static equilibrium, circular motion and gravitation, electrostatics, electromagnetism, special relativity and modern physics. 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.

Course	Course Summary
12 PRE-CALCULUS 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, 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 isn'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 require a minimum percentage for this course for entrance into their programs. Please consult post-secondary school admission requirements for details about math requirements for individual programs.
12 SKATEBOARD 12	This course is designed for students who would like to improve their skateboarding skills and/or skate knowledge. Whether you are a "practically-pro" shredder or have never stood on a board before, this course can be tailored to meet your needs. The class will take place as much as possible at the local skatepark and skate spots surrounding the school. When the weather doesn't allow for us to be outside, students will be involved in a variety of skate related projects, which may include designing and building a skateboard or skateable features, video and photography editing, brand development and marketing. Students in this course will be required to cover the cost of any material and supplies consumed in this course.
12 STUDIO ARTS 2D 12	Studio Arts 2D 10 - 12 art courses are semester-long courses, which are project based, hands-on, and increasingly student driven the higher the grade level. Grade 10 students will be introduced to some new mediums before they start their projects, where grade 11 and 12 students will have more freedom. This allows students to work to their strengths and explore a wide range of mediums and areas of interest. Working in 2D would include things like drawing, painting, printmaking. Some 2D mediums could include charcoal, graphite, conte, acrylic, watercolors, mixed media, and ink.
12 STUDIO ARTS 3D 12	Studio Arts 3D 10 -12 art courses are semester-long courses, which are project based, hands-on, and increasingly student driven the higher the grade level. Grade 10 students will be introduced to some new mediums before they start their projects, where grade 11 and 12 students will have more freedom, which will allow students to explore the mediums that they prefer. Working in 3D would include things like pottery, and sculpture. Examples of 3D mediums could include casting, plaster, glass, wax, pottery and glazes.
12 TEACHER ASSISTANT 12 BAA	This course creates an opportunity for you to help students and teachers in a classroom setting. Students who take this course should be a good role model, knowledgeable in their subject area, and willing to develop and demonstrate leadership skills. You work under the supervision of a classroom teacher and assist individual students or groups in a variety of learning activities. As you mentor, create, organize, demonstrate, and assist; you will learn more about the classroom, students, teaching, and yourself.
12 THEATRE PRODUCTION 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.
12 VOLLEYBALL 12 BAA	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. Grade 12s should expect to provide a leadership role in all activities. The class will take place on both indoor and outdoor courts as well as in a classroom setting.
12 WOODWORK 12	In this course students will put 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.
12 WORK EXPERIENCE 12A	The Work Experience (WEX) program allows students to learn about an occupation or career through a work placement based on their interests and goals. With an emphasis on safety, an assignment prior to the placement is part of the course, as well as an assignment to reflect on the experience after. To meet the required 100 hours of work, students will need to register for Work Experience as a year-long course. WEX is often taken before entering a Youth Work in Trades program.