

ENVER CREEK
SECONDARY SCHOOL



CURRICULUM AND COURSE
SELECTION HANDBOOK
2020/21

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ENVER CREEK SECONDARY

MISSION STATEMENT

At Enver Creek Secondary School we provide opportunities for success and excellence as we prepare students to become confident, thoughtful and responsible members of the community.

This course booklet has been prepared to give students and their parents, or guardians, an introduction to the courses offered at Enver Creek Secondary School. The course descriptions are general in nature and do not outline the entire content of each course. These descriptions are, however, an excellent overview designed to provide enough information to make the most suitable choices for an enjoyable and successful journey toward high school graduation. Although every effort is made to keep the material up-to-date, some changes in course offerings and Ministry requirements do occur. Students should check with their counselors if questions arise.

At Enver Creek Secondary School, students may choose from a wide range of subjects. The large number of elective and academic choices is a direct result of the expertise of our highly qualified teaching staff. It is important to note that with the opportunity to pursue a variety of interests, comes the responsibility for students to make effective and informed choices. Effective course planning requires interaction between student, parent, teacher and counselor. Each student should discuss short and long range goals and plans with their parents or guardian and their school counselor.

It is extremely important that students take the time to make good choices around course selection. Both staffing and the school's timetable will be based on these selections. Because these considerations are in place before the start of the new school year, opportunities for course changes will be extremely limited in September. It is critical that students and parents take the time now to ensure that their course selections are appropriate.

Principal: Mr. M. Kilpatrick

Vice-Principals: Mr. I. McGennis
Ms. M. Larsen

Counselling Staff: Mr. M. Orso
Ms. S-L. Phillips
Ms. A. Gill
Ms. K. Spencer

GRADES 8 & 9 CURRICULUM DESCRIPTION

APPLIED SKILLS

BUSINESS EDUCATION

Entrepreneurship & Marketing 9

This course offers students an opportunity to explore an introductory range of interesting topics about business. Topics include: the function of business, types of business ownership, smart consumer decision making, entrepreneurship and the creation of a business plan, marketing and advertising, and business communications. This course offers an excellent introduction to ready students for more advanced business courses and to prepare students for the business world many students find themselves participating in after high school. Students will be introduced to and gain basic competency in Microsoft Office and Adobe Creative Suite software.

HOME ECONOMICS

Home Economics 8

This course equips students with long-lasting life skills, and an introduction to the design process. In Food Studies, the "why" and "how" of food preparation is emphasized. Students will make recipes such as apple pie dumplings, pizza, vegetarian quesadillas and more. In Textiles, students will learn hand-sewing techniques, and will design and create their own, one-of-a-kind felt project. Students will also have a chance to analyze their clothing choices, what influences their choices, and what messages their choices send. Skills that last a lifetime.

Foods Studies 9

Foods Studies will take your cooking skills, and design thinking skills to the next level. Appetizing snacks to meals are all part of this course. Explore foods for breakfast, lunch, dinners and celebrations. Discover the principles of food safety, food systems, and food marketing. Learn new techniques and use an assortment of tools to help you produce healthy and nutritious meals. End the semester by planning and preparing a meal for your friends.

Textiles Arts & Design 9

Move beyond the basics! You will get a chance to try out the sewing machines and sergers for the first time! Using the design process that fashion designers use, you will take an in-depth look at a culture to study and

recreate your own design using embroidery, fabric paint or beading and apply it to a tote bag or pillow. To finish off the semester you will be making a one-of-a-kind hoodie on the sewing machines and sergers using a sewing pattern. If time permits, knitting may be introduced!

INFORMATION & COMMUNICATIONS TECHNOLOGY

Digital Literacy 8

Students will explore the use of tools and electronic devices that allow us to create, explore, transform, and express, and communicate information. Students will learn new skills such as computer coding/programming with an emphasis on game development in order to develop an understanding of computational thinking and computer science. Students will also use various tools to help them create and manipulate images to be used for web-based applications and websites. Students will learn how to ask good questions, construct meaning out of information, and present their findings - all using various digital tools.

Information & Communications Technology 9

Information Technology is the use of tools and electronic devices that allow us to create, explore, transform, and express, and communicate information. Students will expand their computer literacy and abilities with skills such as computer coding/programming with an emphasis on game development in order to develop an understanding of computational thinking and computer science. Students will also explore different tools for the development of websites including written computer language and other click-based tools.

TECHNOLOGY EDUCATION

Technology Education 8

This course is an exploration of the different areas of Industrial Technology. Students will do a series of small hands-on projects that expose them to different technologies. They will learn basic hand drawing and computer drafting skills, and will be introduced to woodwork, metal work and plastics by completing beginner level projects. Students will learn to use basic hand and power tools safely. The main aim of the course is to allow students to explore the different

technical areas so they can develop the knowledge, skills and attitudes of our technological world.

Drafting 9

Students will learn drafting through modern techniques. Mechanical, architectural and design drafting are covered using board drawing, computer assisted drafting (CAD), 3D modeling software, and building information modeling software. A greater emphasis will be placed upon the use of drafting skills in the areas of modeling and problem solving. Students will be manufacturing their designs with CNC, sign cutting, and 3D printing technologies. Career exploration will also be included.

Metalwork 9

This course is a hands-on introduction to different metalwork procedures. Students will explore different areas of metalwork, such as layout and bending of thin metals, forging, welding, machining and fabrication. The emphasis will be on the safe use of hand and machine tools. Students will learn to read drawings and create student/teacher-designed projects.

Woodwork 9

This course is a hands-on introduction to woodworking processes with an emphasis on the development of practical skills, design work and problem-solving ability. Students will become familiar with the safe use of tools and machines, read and interpret plans and follow written instructions. Teacher-directed projects have been designed to encourage the development of student skills, with many aspects of design being left up to the individual.

Electronics 9

This course is an introduction to electricity and electronics. Through an inquiry based, hands-on approach, the students will explore the safe use of tools and equipment as well as the theory of DC, AC, analog and digital systems. The course will involve a series of labs and exercises leading students to a greater understanding of circuit design and electronic principles. Students will work with modern microprocessors and electronic components to design and build unique projects. This course can lead to exciting career options and a better understanding of the use of electronics in a technological world.

Competitive Robotics 9

This course will prepare students for a promising career in Engineering (Civil, Mechanical, Electrical, Computer) and Computer Science by building robots. Students will collaborate in teams to design, build and program a robot for the internationally recognized VEX Robotics Challenge. The annual challenge will allow students to learn about microprocessors, electronics, power transmission, dynamic motorized systems, structural mechanics, drafting, material sciences, and computer programming. No prior experience or skills are required other than a passion for building, designing and problem solving. Students are expected to attend at least one competition and successful teams may earn the chance to represent Enver Creek at an international competition, The Vex World Championships.

Engineering 9

This course will incorporate a variety of engineering principles using an inquiry based hands on approach. Students will be introduced to material science, transmission of power, environmental issues, robotics, microprocessors, electronics, drafting, CNC machining and 3D printing. This course is an excellent choice for students interested in engineering and trades careers or students who wish to sample a large variety of Technology education options.

ENGLISH

Humanities 8

Humanities 8 integrates the subjects of Social Studies 8 and English Language Arts 8 into one year-long course. Students stay with the same teacher throughout the entire year, students will experience the curriculum of Social Studies 8 and English Language Arts 8 delivered in an integrated program. The skills and competencies associated with the English curriculum will be explored through novels, short stories, poems, films, and non-fiction media that support the geographical and historical content being studied. Students will also explore concepts surrounding social responsibility and community engagement. The Social Studies curriculum will include skills and competencies to be active, informed citizens who can think critically, understand and explain the perspectives of others, make judgements, and communicate ideas effectively. Students will practice a variety of

communication and thinking skills throughout the year:

- In writing, students will write in a variety of formats, employing all stages of the writing process: pre-writing, drafting, editing, proofreading, and publishing. Emphasis will be on the paragraph.
- Oral communication skills will be developed to suit the audience, purpose and context.
- Representation will consist of students creating a variety of images to assist in the development and expression of ideas.
- Students will apply a variety of concepts of historical thinking to various texts, events, and images.
- Students will examine various time periods with the theme and scope of World Civilizations.

English 9

Through the integration of reading, writing, oral communication, viewing and representing, English 9 is designed to develop students' skills and appreciation of literature and language. The activities and resources are selected to appeal to a range of interests and abilities and to meet the curricular competencies connected to the 'Big Ideas' of the grade 9 curriculum. In addition, the studies in English 9 will foster inquiry, curiosity, and thoughtful reflection as literature is a means of understanding self and others and what it means to be human. The opportunity to look at world views will be provided with attention to Aboriginal literature and Aboriginal principles of learning.

- For reading, materials offered for study include short stories, novels, poetry, mythology, and non-fiction. Students will read for a variety of purposes and demonstrate understanding.
- In writing, students will write in a variety of formats, employing all stages of the writing process: pre-writing, drafting, editing, proofreading, and publishing. Emphasis will be on the paragraph.
- Oral communication skills will be developed to suit the audience, purpose and context.
- In viewing, students will identify techniques used to convey meaning in visual and mass media.
- Representation will consist of students creating a variety of images to assist in the development and expression of ideas.

English 9 Honours

Through the integration of reading, writing, oral communications, viewing and representing, Honours

English courses are designed to develop students' skills and appreciation of literature and language. The course reflects the English 9 course of studies with an increase in the number of literary pieces dealt with. The activities and resources are selected to appeal to those students who demonstrate a high level of interest and ability in English.

FINE ARTS

MUSIC

In the following courses students will perform music of various styles and from various historical periods, developing technical competency and stylistic interpretation. Students will also develop a deeper understanding of theory, history and composition as it relates to the music being performed and will grow to value the role of music in society and its relationship to other art forms. All band courses require the acquisition of a band instrument.

Band 8

Open to students who are new to band or have completed Band 7.

This is a course where students' individual music abilities are molded into a performing group. Learners will receive instructions on their instrument, ensemble skills, and notation and rhythmic fluency. Evaluation will be based on progress, attitude and participation in music department activities. No prerequisites: everyone is welcome.

Band 9

Recommended Prerequisite: Successful completion of Band 8 or Director's permission

This course is designed for students who have reached an interim level of proficiency on a band instrument. Students will experience a significant increase in complexity and excitement of repertoire over previous band levels. Evaluation will be based on progress, attitude, and participation in music department activities.

Choir 9

A fun way to learn more than just vocal technique. This performing group will explore a wide variety of musical styles and repertoire, anything from classical, jazz, or pop. Discover ways to extend your vocal range, create breath energy, formulate and place vowels correctly, and perform with confidence and skill in group and solo settings. Participation in music

department activities such as concerts and trips is expected.

Note: Previous singing experience is not necessary.

Guitar 9

This is an introductory course. Advanced students are welcome. Students in this course will learn many open chords and eighty-nine bar chords, as well as several strumming/finger picking patterns which will enable them to play several styles of music including popular, rock, folk, country and blues music. Students will also be introduced to the playing of music from notation and from tablature which will enable them to play lead guitar and classical music.

DANCE & DRAMA

Dance 8 Beginner

This is a beginner level course which will provide students with knowledge, technique, and skill in 3 or more styles of dance (ballet, jazz, hip hop, contemporary, tap, etc.). It includes the understanding and acquisition of technique, dance terminology, choreography, self-expression, and improvisation. No prior experience is necessary.

Dance 9 Beginner

This is a beginner level course which will provide students with knowledge, technique, and skill in 3 or more styles of dance (ballet, jazz, hip hop, contemporary, tap, etc.). It includes the understanding and acquisition of technique, dance terminology, choreography, self-expression, and improvisation. No prior experience is necessary.

Dance 9 Intermediate

Recommended Prerequisite: Beginner dance or permission of the instructor based on past experience. Students will have the opportunity to extend their knowledge and build on their technique in 3 or more dance styles (jazz, hip hop, contemporary, tap, etc.) Students will also learn how to use the elements of choreography for the purpose of developing their own routines.

Drama 8

Drama 8 is an introductory course that will give students opportunities to think creatively, develop self-confidence, and improve their concentration and problem-solving skills. Students will explore mime, movement, speech, and scene building. Drama 8 is for

everyone: both the outgoing and shy student will enjoy the benefits of this course.

Drama 9

Drama 9 is a creative Drama course that engages the students' imagination. Students will continue to focus on self-development through the use of mime, movement, speech, and scene building. Script work, staging techniques, and theatrical styles will also be introduced. No prerequisites: everyone is welcome.

VISUAL ARTS

Yes, you are creative! You can learn in the **Visual Art Department** to work freely across many exciting disciplines. All creativity needs is interesting ideas and we will help you cultivate your imagination to make them come to life! What do you like to do...? Draw, paint, work 3D in ceramics, sculpture or animation? Do you want to take dynamic photographs, shoot video worth uploading? How about learning graphic design strategies and being the designer of the Enver Creek Yearbook? The **Visual Art Department** offers you so many creative choices to help you become an artist, image-maker, media savvy and technically competent in the digital world while having fun doing it.

VISUAL ART

Art 8

You will explore and learn technical skills with multiple art forms including drawing, painting, ceramics, printmaking, computer graphics and more! You will learn to develop the process of thinking creatively and increase your knowledge of the world of art. This course is designed to benefit students of all levels of experience.

Art 9

You will explore and learn technical skills with multiple art forms including drawing, painting, ceramics, printmaking, computer graphics and more! You will learn to develop the process of thinking creatively and increase your knowledge of the world of art. This course expands upon the content of Art 8 but is also designed for first time art students to easily master new skills.

MEDIA ARTS

Digital Media Arts 9

You will be introduced to the process of creating your own high-quality video projects at the introductory

level such as music videos, movie trailers and commercials. You will be taught how to operate video production equipment - cameras, desktop editing software, microphones and lights. You will also engage in film criticism and develop a critical eye as active media producers while you learn to tell your stories your way. The skills developed in this course are transferable to career opportunities in the Animation, Film & Television industries. This course is an excellent choice for those who wish to develop their demo reel.

CAREER EDUCATION

Career Education 8/9

This course addresses four themes that run through the curriculum: self-awareness, working with others (collaboration and communication), career knowledge and awareness, and career planning. Note that this course is not included in your child's daily timetable. Learning outcomes are met through the student's participation in various activities throughout the year and in conjunction with their other courses. Subject teachers will provide applicable feedback and evaluation and students will be given a final grade in June.

MATHEMATICS

The Mathematics curricula for grades 8 and 9 are common for all students. The goal is to adequately prepare students with the foundational math skills required for success in Grade 10 math courses and beyond.

Mathematics 8

The goal of this course is to prepare students for further mathematical study in secondary school. This course will build a base of knowledge through the development of number sense, using patterns to describe the world, using direct and indirect measurement, and collecting, displaying, analyzing data to solve problems, and financial literacy. The core competencies (communication, thinking and personal/social competencies) along with the Big Ideas (number relationships, computational fluency, discrete linear relations, 3D object relationships and data analysis) are interwoven throughout the mathematical topics.

Mathematics 9

The goal of this course is to prepare students for further mathematical study as well as aid in deciding

the correct pathway for each student when they enter grade 10. Students will develop number sense, use patterns to describe the world, use direct and indirect measurement and collect, display, analyze data to solve problems and financial literacy. The core competencies (communication, thinking and personal/social competencies) along with the Big Ideas (operations with numbers, computational fluency, continuous linear relations, proportional relationships and data analysis) are interwoven throughout the mathematical topics.

Upon successful completion of the grade 9 course students should be able to correctly identify a mathematical pathway for future grades.

MODERN LANGUAGES

The principle goal of our Language program is to develop communication skills so that students will have the desire and ability to express themselves in real-life situations. An additional goal is to promote cultural awareness and appreciation. **According to the B.C. Ministry Language Education Policy, it is mandatory to study a second language for four consecutive years (Grades 5, 6, 7 and 8).** A Grade 11 language course is a prerequisite for many post-secondary programs.

French 8

The focus of this course is to develop the communicative language skills of listening, speaking, reading and writing. Activities include short conversations and sharing information. Cultural elements are explored to develop a better understanding of the French-speaking world and an awareness of the benefits of learning a second language.

Punjabi 8

Punjabi 8 will focus on vowels review, simple sentence structure, and gradual emphasis on reading and writing. Students will develop their communication skills in speaking, reading and writing through variety of themes. Punjabi history and culture will also be explored through a variety of resources, life songs, movies, articles, magazines and video clips. Students will work on simple stories and creative works of their culture. Successful completion of this course qualifies a student to enter a senior Punjabi language course.

French 9

Recommended Prerequisite: French 8

Students will further develop their oral and written abilities. There will be an increased emphasis on reading and writing. Students will continue to identify similarities and differences between French cultures and their own.

Spanish 9

Prerequisite: NONE

The focus of this course is to introduce students to the communicative skills of reading, writing, listening, spoken production and spoken interaction in Spanish. Cultural elements are explored to introduce the Spanish-speaking world. This course is intended for Grade 9 students who have no background in the language.

PHYSICAL & HEALTH EDUCATION

The aim of Physical and Health Education (PHE) is to have students develop a personalized understanding of what healthy living means to them as individuals and members of society in the 21st century. PHE is designed to develop educated citizens who have the knowledge, skills, and understandings that they need for lifelong health and mental well-being. Students will be able to recognize and change unhealthy behaviors and, at the same time, advocate for the safety, health and well-being of others.

Physical & Health Education 8

The expectations for Physical and Health Education 8 include the following:

Physical Literacy: Develop, refine, and apply fundamental movement skills and movement concepts in a variety of physical activities. Students will apply methods of monitoring and adjusting their exertion levels in physical activity.

Healthy and Active Living: Participate daily in physical activity designed to enhance and maintain health components of fitness as well as assess factors that influence our health choices.

Social and Community Health: Develop an understanding of how the health of others and the community can influence, and be influenced by, us as individuals.

Mental Well-Being: Explore various pressures and influences on mental well-being, while learning about strategies to promote mental well-being for themselves and others.

Physical & Health Education 9

The expectations for Physical and Health Education 9 include the following:

Physical Literacy: Develop, refine, and apply fundamental movement skills and movement concepts in a variety of physical activities. Students will apply methods of monitoring and adjusting their exertion levels in physical activity.

Healthy and Active Living: Participate daily in physical activity designed to enhance and maintain health components of fitness and propose choices that support lifelong health and well-being.

Social and Community Health: Propose and analyze strategies for dealing with unsafe situations, discrimination, bullying and the development of healthy relationships.

Mental Well-Being: Create and evaluate strategies for promoting and managing the mental well-being for the self and others.

SCIENCE

Science 8

The Science 8 curriculum is divided into 4 Big Ideas. These ideas are: (1) Cells are a basic unit of life, (2) The kinetic molecular theory and the theory of the atom explain the behaviour of matter, (3) Energy can be transferred as both a particle and a wave, and (4) The theory of plate tectonics is the unifying theory that explains Earth's geological processes.

Science 8 Curricular Competencies will encourage and prepare students to:

- Demonstrate sustained intellectual curiosity about a scientific topic or problem of personal interest.
- Make observations, measure and control variables through fair tests, collaboratively plan a range of investigation types and use scientific inquiry to answer their own questions about the natural world.
- Observe, measure and record data using equipment and digital technology.
- Experience and interpret the local environment.
- Construct and use a range of methods to represent patterns or relationships in data, including graphs, tables, key, scale models and digital technologies.
- Use scientific understandings to identify relationships and draw conclusions.
- Consider social, ethical, and environmental implications of their findings

- Contribute to care for self, others, community and world through personal or collaborative approaches.
- Transfer and apply learning to new situations.
- Co-operatively design projects.
- Develop a sense of aboriginal perspective of learning through experiential learning and storytelling.
- Appreciate the historical discoveries that helped develop our current understanding of the four big ideas.

Science 9

The Science 9 curriculum is divided into 4 Big Ideas. These ideas are: (1) Cells are derived from cells, (2) The electron arrangement of atoms impacts their chemical nature, (3) Electricity is the flow of electrons, and (4) The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.

Science 9 Curricular Competencies will encourage and prepare students to:

- Demonstrate sustained intellectual curiosity about a scientific topic or problem of personal interest.
- Make observations and formulate a hypothesis aimed at identifying their own question, including increasingly abstract ones about the natural world.
- Collaboratively and personally plan lab experiments including fieldwork using appropriate investigation methods.
- Assess risks and address ethical issues around scientific experimentation.
- Use appropriate equipment, and digital technology to collect and record data.
- Experience and interpret the local environment.
- Seek and analyze patterns, trends, and connections in data and describe relationships between variables
- Use scientific concepts to draw conclusions
- Consider social, ethical, and environmental implications of their findings
- Contribute to care for self, others, community and the world through personal or collaborative approaches.
- Transfer and apply learning to new situations.
- Develop a sense of aboriginal perspective of learning through experiential learning and storytelling.
- Appreciate the historical discoveries that helped

develop our current understanding of the four big ideas.

Science 9 Honours

This is an intense hands-on course that prepares students for advanced level courses in the later years. The Science 9 curriculum is divided into 4 Big Ideas. These ideas are: (1) Cells are derived from cells, (2) The electron arrangement of atoms impacts their chemical nature, (3) Electricity is the flow of electrons, and (4) The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.

Science 9 Honours Curricular Competencies will encourage and allow students to:

- Demonstrate sustained intellectual curiosity about a scientific topic or problem of personal interest.
- Make observations and formulate a hypothesis aimed at identifying their own question, including increasingly abstract ones about the natural world.
- Collaboratively and personally plan lab experiments including fieldwork using appropriate investigation methods.
- Assess risks and address ethical issues of scientific experimentation.
- Use appropriate equipment, and digital technology to collect and record data.
- Experience and interpret the local environment.
- Seek and analyze patterns, trends and connections in data and describe relationships between variables
- Use scientific concepts to draw conclusions
- Consider social, ethical, and environmental implications of their findings
- Contribute to care for self, others, community and world through personal or collaborative approaches.
- Transfer and apply learning to new situations.
- Co-operatively design projects with local or global connections.
- Contribute to finding solutions to problems locally or globally through inquiry.
- Formulate physical or mental theoretical models to describe a phenomenon.
- Communicate scientific ideas, information and a suggested course of action for an audience using scientific language.
- Develop a sense of aboriginal perspective of

learning through experiential learning and storytelling.

- Appreciate the historical discoveries that helped develop our current understanding of the four big ideas.

development of Canada and the community we live in as well as the importance of nationalism, imperialism, and revolutions (political, social and economic) in Europe and North America. Various globe, map and graph skills, the use of an atlas, and geographical knowledge of the areas studied in history will also be emphasized.

SOCIAL STUDIES

Humanities 8

Humanities 8 integrates the subjects of Social Studies 8 and English Language Arts 8 into one year-long course. Students stay with the same teacher throughout the entire year, students will experience the curriculum of Social Studies 8 and English Language Arts 8 delivered in an integrated program. The skills and competencies associated with the English curriculum will be explored through novels, short stories, poems, films, and non-fiction media that support the geographical and historical content being studied. Students will also explore concepts surrounding social responsibility and community engagement. The Social Studies curriculum will include skills and competencies to be active, informed citizens who can think critically, understand and explain the perspectives of others, make judgements, and communicate ideas effectively. Students will practice a variety of communication and thinking skills throughout the year:

- In writing, students will write in a variety of formats, employing all stages of the writing process: pre-writing, drafting, editing, proofreading, and publishing. Emphasis will be on the paragraph.
- Oral communication skills will be developed to suit the audience, purpose and context.
- Representation will consist of students creating a variety of images to assist in the development and expression of ideas.
- Students will apply a variety of concepts of historical thinking to various texts, events, and images.
- Students will examine various time periods with the theme and scope of World Civilizations.

Social Studies 9

The focus of this course is “The Growth of Nations”. By utilizing the inquiry model, the course will cover the history of Canada from the early 20th Century to the present. Attention will be given to the immigrant experience, First Nations, the development of the Metis Nation in how they have shaped the

GRADES 10, 11 & 12 CURRICULUM DESCRIPTIONS

APPLIED SKILLS

BUSINESS EDUCATION

Accounting 11

This course is the introduction to the world of accounting. This course is for students who want to learn how to manage their money and budgets, or are exploring the idea of an accounting career, or are interested in acquiring the accounting basics for managing a small business. In this course students will learn the fundamentals of accounting, and the creation of key accounting documents and financial statements. In Accounting 11 students will gain a great foundation of knowledge to prepare them for first year college and university accounting courses and gain competency in Microsoft Excel software.

Accounting 12

Recommended Prerequisite: Accounting 11

This course expands on the accounting concepts learned in Accounting 11 and introduces new accounting concepts such as depreciation, inventory management, partnerships, corporations, payroll, and taxation. Students will also gain further experience using Microsoft Excel software and learn how to use an industry standard software to computerize accounting methods and reporting. This course is ideal for students who are planning to pursue a career in accounting, business management, commerce, or an entrepreneurship opportunity.

Entrepreneurship & Marketing 10

Students may take Entrepreneurship & Marketing 10 with or without having taken Entrepreneurship & Marketing 9.

This course offers students an opportunity to explore an introductory range of interesting topics about business. Topics include: the function of business, types of business ownership, smart consumer decision making, entrepreneurship and the creation of a business plan, marketing and advertising, and business communications. This course offers an excellent introduction to ready students for more advanced business courses and to prepare students for the business world many students find themselves participating in after high school. Students will be introduced to, and gain basic competency in Microsoft Office and Adobe Creative Suite software.

Business Computer Applications 12

Students will learn how to use industry standard digital tools for word processing, spreadsheets, presentations, publications, business communications, infographics, polls and surveys, and collaboration. Students learn the nature of business information, become proficient in choosing technology to manage it, develop interpersonal skills to share, collaborate, and present effectively. Students will improve their overall computer literacy, gain competency in Microsoft Office, and cloud-based software such as Google Drive, Docs, Sheets, Sides, and Forms.

Economics 12

Economics 12 explores the effects of economic activity on our society, the nation, and the global community. In Economics 12, students will be introduced to both microeconomic and macroeconomic concepts such as supply and demand, inflation, unemployment, and gain an understanding of the principles behind government and social policies. Students planning to undertake advanced studies in business will find this an essential course to understanding how government, labour, and business interact. This course will be of interest for students interested in expanding their understanding of Canadian society, and global economic and social trends.

Marketing and Promotion 11

This course provides an introduction to the world of marketing and advertising. Students will learn the basic marketing concepts of: consumer needs, consumer behaviour, branding, market research, market segmentation, product positioning, pricing, distribution, promotion, and advertising. This course is of interest to students considering a career in marketing, advertising, communications, sales, or business, and is also of interest to students who are interested in exploring how businesses attempt to influence their purchasing decisions. Students will learn how to use Adobe Creative Suite software such as Illustrator and Photoshop to create logos, promotions, and product packaging.

INFORMATION & COMMUNICATIONS TECHNOLOGY

Computer Studies 10

Students will expand their understanding of computer coding/programming through game, web, and mobile application development using HTML/ CSS/ JavaScript programming languages. Students will also explore different tools for the development of websites including written computer language and other click-based tools. Students will also approach topics such as cloud computing, computer maintenance and troubleshooting with an emphasis on digital literacy and digital citizenship.

Computer Programming 11

Students will expand their knowledge of computer programming and web development through coding structures such as HTML/CSS/JavaScript. Content will have an emphasis on game development, including digital graphic design for the purpose of gaming. Students will also approach topics such as cloud computing, computer maintenance and troubleshooting with an emphasis on digital literacy and digital citizenship.

Computer Programming 12

Students will expand their knowledge of computer programming and web development through coding structures such as HTML/CSS/JavaScript. Content will have an emphasis on game development, including digital graphic design for the purpose of gaming. Students will also approach topics such as cloud computing, computer maintenance and troubleshooting with an emphasis on digital literacy and digital citizenship.

HOME ECONOMICS

Textiles Arts & Design 10

If you like to make things to use or wear then this course is for you. This course includes the design and creation of various sewing and design projects. Whether you are a beginner or experienced sewer, develop your sewing skills while making a garment that is uniquely yours. If this is your second level of Textiles you will have the opportunity to choose your own project that expands on your skillset. Finish this course with skills that will last you a lifetime!

Foods Studies 10

This course will help you develop your design thinking skills while exploring the basics of food

preparation, with recipes ranging from desserts to snacks to meals. Through demonstrations and labs, you will experiment with the role of ingredients as you become an accomplished cook. Explore how food is produced and ends up on our tables, and how food marketing impacts your choices. This “hands on” course will encourage you to taste and prepare a variety of dishes and bring out the chef in you!

Culinary Arts 11 A/B

Culinary Arts 11A is intended as an introductory course for students interested in the preparation of all types of food for 10 to 250 people. This includes soup stocks, soups, sauces, roasting, frying, vegetable preparation, sandwiches, salads and desserts. Students are exposed to a large commercial kitchen and will learn to use all types of equipment. An understanding of safe food handling practices is teamed with safety and accident prevention procedures. Reference to and the use of the text “*On Cooking*”, the “*On Cooking Study Guide*” and the accompanying “*On Cooking CD-ROM Recipes*” will supplement the theory in this course.

Participation may be required for “in-school” and some “after school hours” catering. Punctuality and regular attendance is critical in the valuable and exciting experiences of working with and tasting a variety of food products and prepared dishes.

Culinary Arts 11B is a continuation of Culinary Arts 11A and may be taken concurrently with Culinary Arts 11A at the discretion of the chef instructor.

Culinary Arts 12 A/B

Prerequisite course: Culinary Arts 11A (preferably in conjunction with Culinary Arts 11B in Grade 11).

Culinary Arts 12A is an introduction to commercial cooking. Students will receive instruction in preparation of stocks, soups, sauces, and desserts. Roasting, deep-frying, vegetable preparation, bread making, salad and sandwich preparation are also included. Short order cooking, beverage and counter service is an integral part of this course. Reference and use of the text “*On Cooking*”, the “*On Cooking Study Guide*”, and the accompanying “*On Cooking CD-ROM Recipes*” will supplement the theory of this course. Students will develop personal, vocational, and leadership skills while working in teams and learning to get along with others. Safe food handling practices, safety and accident prevention, elements of kitchen management, as well as operation and

maintenance of kitchen equipment round out this program. This course is designed with greater in-depth training in all aspects of cooking while emphasizing nutrition and balanced meals for 10 – 250 people. Participation in both “in school” and some “after-school” catering may be required. Students taking this course must be prepared to demonstrate a good work ethic that includes being punctual and attending regularly. This course offers the wonderful experience of working with and tasting a wide variety of food products and prepared recipes.

Culinary Arts 12B is a continuation of *Culinary Arts 12A* and may be taken concurrently with *Culinary Arts 12A* at the discretion of the chef instructor.

Foods Studies 11

This course goes beyond the basics to develop your cooking and design thinking skills! Become an expert at baking, meal preparation, healthy eating and more. Creativity is emphasized as you use an assortment of cooking technology. You will expand your food literacy as you research issues associated with food production and consumption, and by making your own pasta, sauces, breads, cakes, pizza and more! This “hands on” course will bring out the international chef in you!

Foods Studies 12

Bring out the design-minded gourmet in you! Explore the foods and flavors of France, Greece, Italy, China and Mexico, as they are the ones that have influenced Western cuisine.

Discover your creative talents! Study the food concerns and practices of our modern society. Experience “multi-product” labs where different dishes are prepared and enjoyed. Challenge yourself! This is a course you’ll definitely enjoy and find useful.

Pastry Arts & Baking 11 and 12

Recommended for students who have completed Foods Studies 9 and/or 10 (or with permission of the teacher)

This course is designed for students who have an interest in baking and/or who are considering a career in the baking and pastry arts industry. You will develop both your design thinking and baking skills as emphasis will be placed on baking theory, practical knowledge, and managing multi-step baking projects.

Pastry Arts & Baking 11

You will learn how the design process is applied to baking by creating such items such as international cookies, quick breads, and yeast breads, as well as cakes, and confectionaries. We often pick other items that are of interest to the class. Want to know what it feels like to be a professional baker, then the pop-up bakery is the experience for you! This course will provide you with the opportunities to learn baking skills, or develop the ones you already have.

Pastry Arts & Baking 12

Course topics include the design process, cookies, cakes, pastry, breads, cheesecake, macarons, cream puffs, cake decorating with buttercream and fondant, and we often pick a few that are of interest to the class. We bake both sweet and savoury products. End the course by designing a pop-up bakery with your group, and put your new skills to the test – experience what it is like to a professional baker. If you love to bake, then this class is for you!

Textiles Arts and Design 11

Create! Personalize! Gain knowledge and develop your design thinking skills as you construct unique projects and garments. Whether you have used a sewing machine or not, but have an interest in learning, this course is for you. Learn how the design process is used to create one of a kind items. Bring out the creativity in you!

Textiles Arts and Design 12

Take your knowledge and skills to the next level. It doesn’t matter if you are a beginner or experienced textiles student, this course will have something for you. Express your creativity by using the elements and principles of design, and applying this knowledge using an assortment of fabrics and techniques. Create unique items from fashion to home décor to crafts. Build a portfolio of personal achievements that showcases your knowledge and demonstrates your design and sewing skills.

Interpersonal and Family Relationships 11

Explore the five areas of family studies from the perspective of a “typical teen.” Learn more about relationships, love, and effective communication. Examine human development, personal needs and how these needs are met within family and society. Take part in varied classroom activities, lively

discussions and interesting projects, which may include the baby simulators.

Child Development and Caregiving 12

Examine the life of a child, from conception to adolescence. This course explores development, relationships, and communication. Learn about individual and family life, and how it changes over time. Your learning is enhanced by completing interesting and relevant projects and assignments, while participating in a variety of activities, which may include the baby simulators. If you are open to participating in lively discussions that examine family life, then this course is for you!

TECHNOLOGY EDUCATION

Drafting 10

Recommended Prerequisite: Drafting 9

Students build upon drafting skills acquired in Drafting 9. Mechanical and architectural drafting are covered using board drawing, computer assisted drafting (CAD), 3D modeling software, and building information modeling software. A greater emphasis will be placed upon the use of drafting skills in the areas of modeling and problem solving. Students will be manufacturing their designs with CNC, sign cutting, and 3D printing technologies. Career exploration will also be included.

Metalwork 10

This course is a hands-on introduction to different metalwork procedures. Students will explore different areas of metalwork, such as layout and bending of thin metals, forging, welding, machining and fabrication. The emphasis will be on safe use of hand and machine tools. Students will learn to read drawings and create student/teacher-designed projects.).

Woodwork 10

This course is a hands-on introduction to woodworking processes with an emphasis on the development of practical skills, design work and problem-solving ability. Students will become familiar with the safe use of tools and machines, read and interpret plans and follow written instructions. Teacher-directed projects have been designed to encourage the development of student skills, with many aspects of design being left up to the individual.

Woodcraft 10

This course is an exploration of different art forms and techniques using wood as the medium. Students will learn to create and develop their own ideas working in three-dimensional forms. Students will be taught how to use various carving techniques, such as chip carving, relief carving and figure carving. They will also learn fret saw work and intarsia (making pictures with wood) using scroll saws. Types of lathe turning such as bowl and spindle making will also be explored. Course projects will be both teacher-directed to learn technique, and student-developed to explore artistic design. This course can be used to fulfill the applied skills/fine arts graduation requirement.

Electronics 10

This course is a continuation of electricity and electronics. Through an inquiry based, hands-on approach, the students will explore the safe use of tools and equipment as well as the theory of DC, AC, analog and digital systems. The course will involve a series of labs and exercises leading students to a greater understanding of circuit design and electronic principles. Students will work with modern microprocessors and electronic components to design and build unique projects. Students will have the option to design advanced projects using lasers, light arrays, automation, music and motion. This course can lead to exciting career options and a better understanding of the use of electronics in a technological world.

Competitive Robotics 10/11/12

This course will prepare students for a promising career in Engineering (Civil, Mechanical, Electrical, Computer) and Computer Science by building robots. Students will collaborate in teams to design, build and program a robot for the internationally recognized VEX Robotics Challenge. The annual challenge will allow students to learn about microprocessors, electronics, power transmission, dynamic motorized systems, structural mechanics, drafting, material sciences, and computer programming. No prior experience or skills are required other than a passion for building, designing and problem solving. Students are expected to attend at least one competition and successful teams may earn the chance to represent Enver Creek at an international competition, The Vex World Championships.

Engineering 10

This course will incorporate a variety of engineering principles using an inquiry-based hands on approach. Students will further their understanding of material science, transmission of power, environmental issues, robotics, microprocessors, electronics, drafting, CNC machining and 3D printing. Students will have the opportunity to design and build robots that fit their lifestyle and need as well as large competition robots. This course is an excellent choice for students interested in engineering and trades careers or students who wish to sample a large variety of Technology education options.

Woodwork 11

The main objective of this course is to offer a combination of knowledge and hands-on skills that will prove valuable over a lifetime, as well as open doors to a variety of career options. The areas of focus will include a blending of safety, measurement, theory, tools and equipment, and materials and processes with an emphasis on the fabrication of wood related products. Students will apply the acquired skills in the design and construction of teacher/student selected projects.

Woodwork 12

Recommended Prerequisite: Woodwork 11

The main objective of this course is to offer an advanced combination of knowledge and hands-on skills that will build on previous experience in woodwork. The areas of focus will include a blending of safety, measurement, theory, tools and equipment, and materials and processes with an emphasis on the fabrication of wood related products. Students will apply the acquired skills in the design and construction of teacher/student selected projects.

Furniture and Cabinetry 12

Recommended Prerequisite: Woodwork 11

After identifying a variety of wood species and their common applications, students will learn basic furniture construction techniques. Historical and modern furniture styles as well as ergonomics will be utilized in furniture design. With an effective project work plan, students will construct a piece of furniture using the acquired skill of machining, joining, and finishing. Students will also be expected to identify and use an appropriate selection of hardware, fasteners, and adhesives in the assembly of the project.

This course combines the areas of furniture construction and cabinetmaking with the addition of

engineered wood products and composite materials along with solid wood. Students will use specific construction techniques including drawer construction and rail and stile doors in the manufacturing of a variety of cabinets.

Woodcraft Products 11/12

This is an artistic course that uses basic woodworking skills in specific hand and machine tools to explore differing avenues of woodcraft. Some areas that may be covered include: free form, relief, Native carving, wood sculpting, wood burning, inlay, and intarsia. Students are eligible to receive Fine Art and Applied Skills credit for this course.

Electronics Technology

The main objective of the Electronics courses is to offer a combination of knowledge and hands-on skills that will prove valuable over a lifetime. In addition, the courses will open doors to a wide variety of career options which are available to both males and females through post-secondary education. The areas of focus will include a blending of safety, use and care of tools and equipment, circuit theory as it applies to DC, AC analog and digital circuits or systems. Emphasis will be placed on the application of theory to design (where applicable), assemble, test, and if necessary trouble-shoot various teacher/student-selected labs or projects.

Electronics 11

This course is a continuation of electricity and electronics taught in Electronics 10. Through an inquiry based, hands-on approach, the students will explore the safe use of tools and equipment as well as the theory of DC, AC, analog and digital systems. Students will use online resources to learn electronics theory and build projects in areas that they find interesting. Students are not limited to course curriculum and are encouraged to focus on their own interests. Students will work with modern microprocessors, microcomputers, and electronic components to design and build unique projects. This course can lead to exciting career options and a better understanding of the use of electronics in a technological world.

Electronics 12

Electronics 9, 10 or 11 strongly recommended.

This course is a continuation of electricity and electronics taught in Electronics 11. Through an inquiry based hands-on approach students will explore the safe use of tools and equipment as well as

the theory of DC, AC, analog and digital systems. Students will use online resources to learn electronics theory and build projects in areas that they find interesting. Students are not limited to course curriculum and are encouraged to focus on their interests. Students will have the opportunity to build on their Electronics 11 studies or focus on a new area of electronics. Students will work with modern microprocessors, microcomputers, and electronic components to design and build unique projects. This course can lead to exciting career options and a better understanding of the use of electronics in a technological world.

Drafting 11

The main objective of this course is to offer a combination of knowledge and hands-on skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus include a blending of conventional board drawing, measurement, and a variety of software applications, primarily AutoCAD, Inkscape, GibbsCAM, Inventor and Revit, with an emphasis on architectural and mechanical design. Students will have the opportunity to manufacture their designs with CNC, sign cutting and 3D printing. Students will apply the acquired skills in the design and drawing of teacher/student selected projects.

Drafting 12

Recommended Prerequisite: Drafting 11

The main objective of this course is to offer a combination of knowledge and hands-on skills that will prove valuable over a lifetime, as well as open doors to a variety of career options. The areas of focus will include a blending of conventional board drawing, measurement, and a variety of software applications, primarily AutoCAD, Inventor, Revit, Inkscape and GibbsCAM with an emphasis on architectural and mechanical design. Students will apply the acquired skills in the design and drawing of teacher/student selected projects which could serve a portfolio for post-secondary entrance or to career exploration.

Engineering 11

This course will incorporate a variety of engineering principles using an inquiry-based hands on approach. Students will further their understanding of material science, motion systems, environmental issues, robotics, microprocessors, microcomputers, electronics, drafting, CNC machining and 3D printing. Students will use online resources to learn

engineering theory and design. Students will build robots that fit their lifestyle and needs as well as work in teams on large competition robots. Students are not limited to course curriculum and are encouraged to focus on their interests. This course is an excellent choice for students interested in engineering and trades careers or students who wish to sample a large variety of technology education options.

Engineering 12

This course will incorporate a variety of engineering principles using an inquiry based hands on approach. Students will further their understanding of material science, motion systems, environmental issues, robotics, microprocessors, microcomputers, electronics, drafting, CNC machining and 3D printing. Students will use online resources to learn engineering theory and design. Students will build robots that fit their lifestyle and need as well as work in teams on large competition robots. Students are not limited to course curriculum and are encouraged to focus on their interests. Students will be introduced to a variety of post-secondary options that fit their needs and interests. This course is an excellent choice for students interested in engineering and trades careers or students who wish to sample a large variety of technology education options.

Metalwork 11

The main objective of this course is to offer a combination of knowledge and hands-on skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of safety, measurement, theory, tool and equipment, and materials and processes with an emphasis on the fabrication of metal related products. Students will apply the acquired skills in the design and construction of teacher/student selected projects. Specific course objectives may include oxy-acetylene welding/cutting/brazing, electric arc welding (stick), mig and aluminum welding (wire feed) and plasma torch (cutting). Lathe and milling machine practices, sheet metal, casting and blacksmithing (forging) will also be included.

Metalwork 12

Recommended Prerequisite: Metalwork 11

The main objective of this course is to offer an advanced combination of knowledge and hands-on skills that will build on previous experience in metalwork. The areas of focus will include a blending

of safety, advanced and precision measurement using metric and imperial micrometers, theory, tools and equipment. The students will utilize the design process to make working drawings that will become practical realities.

Machining and Welding 12

Recommended Prerequisite: Metalwork 11

The main objective of this course is to offer a combination of knowledge and hands-on skills that will build on previous experience in metalwork. The areas of focus will include a blending of safety, advanced and precision measurement using metric and imperial micrometers, theory, tools and equipment. The students will utilize the design process to make working drawings that will become practical realities. Students will learn various types of welding that may include oxy-fuel welding, soldering, brazing, shielded metal arc welding (arc) gas metal arc welding (mig), and gas tungsten arc welding (tig). Gas welding will include equipment, welding rods, fluxes, equipment preparation and adjustment, joints, forehand, backhand, weld pool, brazing and braze welding, gas welding safety precautions. Both shielded metal arc and gas metal arc welding equipment and accessories, symbols, preparation of material, safety precautions, and finishing techniques will be explored.

Art Metal and Jewellery 12

Art Metal is a stream of metal work held within a metal work block. Students will have an opportunity to branch away from the core metal work curriculum and focus on jewelry, sculpture and iron work. Students will design and produce a variety of projects utilizing welding, brazing, casting, forging, etching and machining principles. This is a course that can be taken for fun, but could lead to a future career or an interesting hobby.

ENGLISH

English 10: Focused Literary Studies & Creative Writing

All grade 10 English Language Arts classes will be anchored around Focused Literary Studies in order to increase literary skills (developing higher-level thinking, learning, and writing skills) through close reading and responding of various texts.

The Creative Writing course invites students to express themselves creatively as they experiment with, reflect on, extend, and refine their writing (ex. drama, song, creative non-fiction, and historical fiction).

English 10: Focused Literary Studies & New Media

All grade 10 English Language Arts classes will be anchored around Focused Literary Studies in order to increase literary skills (developing higher-level thinking, learning, and writing skills) through close reading and responding of various texts. New Media Studies will investigate media in communicating and exchanging of ideas including various forms of digital and print media (media and film, journalism and publication, digital communication).

English 10: Focused Literary Studies & Composition

All grade 10 English Language Arts classes will be anchored around Focused Literary Studies in order to increase literary skills (developing higher-level thinking, learning, and writing skills) through close reading and responding of various texts. The Composition course provides students with the opportunity to think critically as they explore, extend, and refine their writing.

English 10 Honours: Focused Literary Studies & Composition

The Composition course provides students with the opportunity to think critically as they explore, extend, and refine their writing. Students will refine their planning, drafting, editing, revision, and publication-readiness skills. Students will develop writing for a specific audience and will learn citation techniques. English 10 Honours will involve exploration of narrative, expository, descriptive, persuasive, and opinion pieces. New Media and First Peoples' Studies will be embedded into this course.

English 11

A variety of courses are now available that require students to develop the skills of reading, writing, oral communication, viewing and representing. Students will select one or more of the following courses to pursue their study of English at the grade 11 level. Successful completion of **one** of these courses is required for graduation. Any additional courses will be counted as an elective.

Composition 11

Composition 11 is an option designed to support students as they refine, clarify, and adjust their written communication through practice and revision.

Focus on:

- studying, creating, and writing original and authentic pieces for a range of purposes and real-world audiences

- expanding competencies through processes of drafting, reflecting, and revising
- building a body of work that demonstrates expanding breadth, depth, and evidence of writing for a range of situations
- using oral, written, visual, digital, and multimodal texts

First Peoples texts, worldviews, and Principles of Learning are embedded throughout.

Creative Writing 11

Creative Writing 11 is an option designed for students who are interested in developing confidence and refining their skills through self-expression for various creative purposes.

Focus on:

- exploring personal and cultural identities, memories, and stories in a wide range of genres
- using writing and design processes
- using oral, written, visual, digital and multimodal texts

First Peoples texts, worldviews, and Principles of Learning are embedded throughout.

Focused Literary Studies 11

Focused Literary Studies 11 is an option which allows students to delve deeply into literature.

Focus on:

- exploring specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media
- increasing literacy skills through close reading of appropriately challenging texts
- expanding development as educated global citizens
- broadening understanding of themselves and the world
- developing higher-level thinking and learning skills
- using oral, written, visual, digital, and multimodal texts
- First Peoples texts, worldviews, and Principles of Learning are embedded throughout.
- professional applications – suggested content/topics include speech writing/ presenting, proposals,
- interviewing, event facilitation, radio/ podcasts/ video posts (information items), voice-over

Focused Literary Studies 11 Honours

Through the integration of reading, writing, oral communication, viewing and representing, this Honours English course is designed to develop students' skills and appreciation of literature and language. The activities and resources are selected to appeal to those students who demonstrate a high level of interest and ability in English.

Grade 11: New Media

All grade 11 English courses will focus on the big idea that the exploration of text and story deepens our understanding of complex ideas about identity, others, and the world. Students will have the opportunity to explore oral, written, visual and digital texts. New Media focuses on the increasing importance of digital media and literacy in communicating and exchanging ideas. Students will explore interactive media. This may include film studies, publishing poetry, song lyrics as well as other possibilities.

English Studies 12

All students are required to take English Studies 12. This comprehensive course represents essential learning in ELA for student success within and beyond school. It ensures that students are exposed to the discourse related to a full range of texts (e.g., critical literacy skills associated with engaging with literary, digital, and informational texts).

The Big Ideas of the curriculum ensure deep and transferrable understanding of key ELA concepts.

- It includes a greater focus on the importance of identity, place, culture, and multiple perspectives and on the appreciation of story and informational text.
- First Peoples texts, worldviews, and Principles of Learning are embedded throughout.
- Students learn to contribute to Reconciliation in Canada by building greater understanding of the knowledge and perspectives of First Peoples.
- The theoretical underpinning of constructivism remains.
- The continuum of learning that takes place in earlier grades of the ELA curriculum continues and is completed in Grade 12.

English Studies 12 Honours AP (Advanced Placement)

This is an enrichment program for academically advanced students. It is a North American English course. The course has a strong literature and language base with an emphasis on higher level thinking skills. The A.P. English Studies 12 course is designed to reflect a first-year university course. It is a rich and rewarding course but it is challenging. Primary objectives are to prepare students to do well on the Provincial exam, to prepare students for university writing requirements, to prepare students for the A.P. exam and to encourage analytical skills and critical thinking.

Focused Literary Studies 12

Focused Literary Studies 12 is an optional course that allows students to delve deeply into literature through increasingly complex texts.

Focus on:

- exploring specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media
- increasing literacy skills through close reading of appropriately challenging texts
- expanding development as educated global citizens
- developing balance and broadening understanding of self and world
- refining higher-level thinking and learning skills

First Peoples texts, worldviews, and Principles of Learning are embedded throughout.

Possible focus areas include:

- genre-specific studies
- world literature
- diasporic literature
- feminist literature
- Canadian literature
- First Peoples texts
- specific author studies
- topic, theme or inquiry
- canonical literature by era

Composition 12

Composition 12 is an optional course designed to support students in the refinement and pursuit of mastery of written communication.

Focus on:

- studying, creating, and writing original and authentic pieces for a range of purposes and audiences using real-world applications with impact and effectiveness
- developing writer's craft through processes of drafting, reflecting, and revising
- building a body of publishable work that demonstrates breadth, depth, and evidence of sophisticated and specialized writing for a range of situations

First Peoples texts, worldviews, and Principles of Learning are embedded throughout.

Possible focus areas include:

- writers' practice
- narrative, expository, descriptive, persuasive, and opinion pieces: thesis development, structure, transitions, hooks and leads, persuasion, argumentation
- study of a wide range of sample works
- planning, drafting, and editing processes
- writing for specific professional audiences and academic disciplines
- citation of sources, considering the credibility of evidence, and evaluating the quality and reliability of the source

Creative Writing 12

Creative Writing 12 is an optional course designed for students who are interested in creating a body of work reflective of a sophisticated breadth and depth of skill.

Focus on:

- writing and publishing for diverse specialized, real-world contexts
- exploration of personal and cultural identities, memories, and stories, in a wide range of genres
- collaborating and developing skills through writing and design processes
- refining ability to write in complex, controlled styles with effectiveness and impact

First Peoples texts, worldviews, and Principles of Learning are embedded throughout.

Possible focus areas include:

- writers' practice
- fiction and poetry
- creative non-fiction
- memoir

Psychology 12

Psychology 12 is designed to introduce students to the scientific study of mental processes and behaviour. Students are exposed to the psychological principles and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Students will study various components of behaviour such as *Psychological Disorders, Gender Differences, Personality, Intelligence, Stress and Coping, Relationships and Media Influence*. There will also be weekly discussions based on controversial topics that will provide students with an opportunity to develop critical thinking skills.

FINE ARTS

MUSIC

In the following courses students will perform music of various styles and from various historical periods, developing technical competency and stylistic interpretation. Students will also develop a deeper understanding of theory, history and composition as it relates to the music being performed and will grow to value the role of music in society and its relationship to other art forms. All band courses require the acquisition of a band instrument.

Performance Concert Band 10/11/12

Recommended Prerequisite: Successful completion of Band 9 or Director's permission. This course may run outside of the timetable.

This course is designed for students who have reached an intermediate level of proficiency on a band instrument. Students will experience a significant increase in complexity and excitement of repertoire over previous band levels. Evaluation will be based on progress, attitude, and participation in music department activities.

Choir 10/11/12

A fun way to learn more than just vocal technique. This performing group will explore a wide variety of musical styles and repertoire, anything from classical, jazz, or pop. Discover ways to extend your vocal range, create breath energy, formulate and place vowels correctly, and perform with confidence and skill in group and solo settings. Participation in music department activities such as concerts and trips is expected.

Note: Previous singing experience is not necessary.

Guitar 10

This is an introductory course. Advanced students are welcome. Students in this course will learn many open chords and eighty-nine bar chords, as well as several strumming/finger picking patterns which will enable them to play several styles of music including popular, rock, folk, country and blues music. Students will also be introduced to the playing of music from notation and from tablature that will enable them to play lead guitar and classical music.

Guitar 11/12

This is an introductory course. Advanced students are welcome. Students in this course will learn many open chords and eighty-nine bar chords, as well as several strumming/finger picking patterns which will enable them to play several styles of music including popular, rock, folk, country and blues music. Students will also be introduced to the playing of music from notation and from tablature that will enable them to play lead guitar and classical music.

PERFORMING ARTS

(DANCE, DRAMA & THEATRE)

Dance 10/11/12 Technique and Performance

Beginner

Students will learn the skills necessary to execute dance routines of a given style. A minimum of 3 genres (jazz, hip hop, contemporary, tap, etc.) will be studied along with dance exercises and warm-up. Students will also learn how to use the elements of choreography for the purpose of developing their own routines. No prior experience necessary.

Dance 10/11/12 Technique and Performance

Intermediate

Recommended Prerequisite: Beginner Dance or a previous Intermediate Dance class

Students will learn the skills necessary to execute dance routines of a given style. A minimum of 3 genres (jazz, hip hop, contemporary, tap, etc.) will be studied along with dance exercises and warm-up. Students will also learn how to use the elements of choreography for the purpose of developing their own routines.

Dance 10/11/12 Technique and Performance

Advanced

Recommended Prerequisite: Permission of the instructor

Dancers who are permitted to enroll in the Advanced level must have instructor permission. Students will

learn the skills and attitudes necessary to work within a performance group. A minimum of 3 genres (jazz, hip hop, contemporary, tap, etc.) will be studied along with dance exercises and warm-up. Using the elements of choreography and elements of movement, students will have the opportunity to explore, create, refine, and produce dance routines that they will then perform for an audience.

Dance Choreography 11/12

Dance peer tutors and those permitted to enroll in Dance Choreography 11/12 are advanced dance students who have the capabilities to be strong, positive leaders within the Enver dance community. You will be playing 3 roles- student, teacher and choreographer. You will learn teaching strategies, class management techniques, and elements of large group choreography. You will be responsible for leading warm-up once a week and creating large group choreography and combos for the class. Over the course of the semester you will learn devices used in choreography and will experiment in ways to find inspiration for creating dances.

Drama 10

Drama 10 is a continuation of Drama 9, with more emphasis on critical thinking and analysis of dramatic situations. Students will continue to complete a variety of scene projects that focus on using speech, movement, and expression to communicate their ideas to an audience. The first-time Drama student should not be scared away; there is a place for everyone in this high-energy course.

Theatre Production 11 (Acting)

Calling all actors! TP 11: Acting is a course in just that - performance and acting. Students will continue to develop their skills in improvisation, vocal expression, movement, and character development, with a focus on both original and scripted scenes. This course will expose students to a variety of genres and performance styles.

Theatre Production 12 (Acting)

Recommended Prerequisite: Theatre Performance 11 (Acting)

Encore! Encore! This course is a continuation of the previous level. Students will be introduced to increasingly more difficult work. Advanced concepts such as aesthetics of the performance, critical analysis of script and character, objective and motivation, and theatre styles will be introduced to the performance. A final exploration of careers in theatre or related

areas will be completed as a final preparation for graduation.

Theatre Performance 11 (Directing & Script Development)

Recommended Prerequisite: Drama 10 or permission of the theatre director

Directing and Script Development gives students an opportunity to explore blocking, script analysis, character development, vocal and physical expression from a director's perspective. Students will be engaged in script development with a focus on concept, theme, character, and script publication. This course will be very rewarding for the self-directed and self-disciplined student.

Theatre Performance 12 (Directing & Script Development)

Recommended Prerequisite: Theatre Performance 11 (Directing and Script Development)

Throughout Directing and Script Development 12 greater focus will be placed on leadership and group dynamics within a theatre group. Students will be given increasingly more advanced work with a strong focus on script analysis, blocking and imagery. The Directing and Script Development student will be engaged in creating original scenes and developing an original one-act play.

Theatre Company (X Block – outside timetable)

Theatre Company is a course for credit that takes place outside the regular timetable. Students will learn how to work in an ensemble to create a major production for performance. Actors/actresses will interpret and communicate script. Technical Crew will organize and operate everything that takes place backstage: lighting, sound, stage management, crew, etc. Admission is by audition or application only - please see Mr. McIntosh for information on this course.

VISUAL ARTS

Visual Art Department:

Yes, you are creative! You can learn in the **Visual Art Department** to work freely across many exciting disciplines. All creativity needs are interesting ideas and we will help you cultivate your imagination to make them come to life! What do you like to do...? Draw, paint, work 3D in ceramics, sculpture or animation? Do you want to take dynamic photographs, shoot video worth uploading? How about learning graphic design strategies and being the designer of the Enver Creek Yearbook? The **Visual Art Department** offers you so many creative choices

to help you become an artist, image-maker, media savvy and technically competent in the digital world while having fun doing it.

STUDIO ART

Studio Arts 10 You will explore and learn technical skills with multiple art forms including drawing, painting, ceramics, printmaking and digital processes at a more advanced level than grades 8 and 9. You will learn to develop the process of thinking creatively and increase your knowledge of the world of art. This course is an excellent choice for those who wish to expand upon the content of Art 8 and Art 9 but is also designed for first time art students to easily learn new skills.

Studio Arts 11

You will explore new concepts and processes expression in areas such as: drawing, painting, sculpture, printmaking and mixed media arts. You will develop personally driven imagery and creative habits through sketchbook explorations. Studio Arts 11 is designed to benefit both first time art students and those with previous art experience.

Studio Arts 12

Recommended Prerequisite: Studio Arts 11

Studio Arts 12 is designed to benefit students who wish to continue general art studies at an advanced level. You will focus on the development of a personal approach to making art. You will explore and build a deeper understanding of artistic processes such as imagery development, art media and techniques, and historical and contemporary developments in art. Students will build a portfolio and actively develop ideas in a sketchbook.

This is a helpful course for any student wishing to develop a portfolio for entrance into Post-Secondary programs such as: Studio Art, Web Design, Architecture, Graphic Design and Game Design.

Ceramics & Sculpture 10

You will explore and learn skills of ceramics hand building, ceramics wheel throwing, soapstone carving and many other sculpture processes. You will learn the fundamentals of 3D design, how to expand your imagination and improve your ability to think creatively.

Studio Arts 3D 11

You will work in greater depth and exploration in the 3D areas of visual expression. This will include ceramics and sculpture, and may be supplemented with modeling, mixed media, fiber arts and more. Students will explore areas of personal expression as well as historical and contemporary developments in art.

Studio Arts 3D 12

Recommended Prerequisite: Studio Arts 3D 11

This course is a continuation of Ceramics and Sculpture 11 with explorations at a more advanced level. You will focus on the development of a personal approach to making art. You will explore and expand upon a wide variety of sculptural techniques including ceramics and sculpture. These may also be supplemented with modeling, mixed media and more. You will build a portfolio and actively develop ideas in a sketchbook.

This is a helpful course for any student wishing to develop a portfolio for entrance into Post-Secondary programs such as: Studio Art, Web Design, Architecture, Graphic Design and Game Design.

Drawing & Painting 10

You will explore the specific art areas of drawing and painting. You will focus on areas including personal expression, illustration, and aesthetics. You will be working with a wide variety of drawing and painting mediums and processes. You will actively develop imagery and ideas in a sketchbook and will also look at historical and contemporary developments in art.

Studio Arts 2D 11

You will explore in greater depth the areas of drawing and painting. You will focus on areas including personal expression, illustration, and aesthetics. You will be working with a wide variety of drawing and painting mediums and processes. You will actively develop imagery and ideas in a sketchbook and will also look at historical and contemporary developments in art.

Studio Arts 2D 12

Recommended Prerequisite: Studio Arts 2D 11

This course is a continuation of Drawing & Painting 11 with explorations at a more advanced level. You will focus on the development of your voice as an artist and your personal approach to making art. You will explore and expand upon a wide variety of drawing and painting techniques and image development issues, as well as looking at historical

and contemporary developments in art. You will build a portfolio and actively develop ideas in a sketchbook.

This is a helpful course for any student wishing to develop a portfolio for entrance into Post-Secondary programs such as: Studio Art, Web Design, Architecture, Graphic Design and Game Design.

Studio Arts 2D 12 Honours/AP Studio Arts 12

Recommended Prerequisite: Studio Arts 2D 11 / Studio Arts 11

You will complete a rigorous portfolio of 24 pieces of artwork. Your portfolio will focus on 2 equal parts: technical explorations of materials and a self-directed series of work.

This is an external credit course offered within the school curriculum. Your portfolio will be sent to the United States to be adjudicated by a team of international judges. If successful you will receive first year university credit for the course. This is a linear course that requires 2 blocks in your schedule and requires a significant amount of out of class time and commitment.

This is an extremely beneficial course for any student wishing to develop a portfolio for entrance into Post-Secondary programs such as: Studio Art, Web Design, Architecture, Graphic Design and Game Design.

Students must receive teacher approval before enrolling.

DIGITAL MEDIA/GRAPHIC ARTS

Photography 10

Photography is a fine art medium that has been revolutionized by new technologies. This is a foundational course in photography that will help you develop technical, aesthetic and semantic awareness of fine art photography and digital image-making as it applies to graphic design. You will increase your knowledge of visual literacy, and learn to create personal imagery to help you develop a digital portfolio. The CS6 Adobe Suite will be taught to assist you in post-production photo skills as you develop your own portfolio.

Photography 11

Photography is a fine art medium that has been revolutionized by new technologies.

What will your photograph look like on display, in a magazine or on the web?

This course will enable you to acquire the technical, aesthetic and semantic skills of traditional fine art photography and digital image-making as it applies to graphic and digital design. Emphasis is on visual literacy, creating personal imagery and responding critically to the works of other artists/photographers. This course provides opportunity to develop a digital portfolio. Your portfolio of photographs and projects will indicate how you have advanced your learning to create quality images. You will learn how technical and problem-solving strategies in photography graphic design help you develop a personal style for communicating ideas. The CS6 Adobe Suite will be taught to assist you in post-production photo skills.

Photography 12

Photography is a fine art medium that has been revolutionized by new technologies.

What's the difference between a photo on a gallery wall, a file on your computer, a professional photo-site, official website or your sketchbook?

Explore the technical skills of a great photograph to upload to your own website or post on-line. Photo Design 12 is for senior students, to advance their knowledge (theory) and skills (practical) in technical and graphic design applications from traditional to digital photography. Students will refine their skills in archival fine art black and white photography. Students will increase their expertise in the development of digital image-making as it applies to graphic and digital design, in both commercial and personal portfolio applications. You will learn the technical language of photography to analyze and respond to photographs by eminent photographers, as well as acquire critical thinking strategies to examine your own photographs and exhibit/post your own work. The CS6 Adobe Suite will be taught to the level of the individual learner as you advance your image-development in Photography 12. Develop your photographic practice for a rewarding lifelong engagement both personally and professionally.

Graphic Arts 11 (Yearbook 11)

Graphic Arts and Design are unique art forms that use specific processes to convey a message.

This course teaches you the use of space and structure in a layout, digital photography, illustration, color and type; and the preparation of graphic artwork for printing by a professional printing firm. (Creating the Enver Creek Yearbook). You will learn creative, technical and marketing skills in the field of graphic

design. You will learn different software programs to enhance your online graphic design techniques. The skills taught in this course are transferable skills to web design, brochures, posters and tools of the trade for graphic designers.

Graphic Arts 12 (Yearbook 12)

Recommended Prerequisite: Image Arts - Yearbook 11

Graphic Arts and Design are unique art forms that use specific processes to convey a message. This course will facilitate senior students to advance their creative graphic design skills and appreciation of various stages of publishing, including the school yearbook. You will strengthen your technical skills in the production process including: researching, interviewing; writing and captions, proofing and editing; shooting and editing photographs; designing and producing layouts with computer software and marketing and distributing the school yearbook. With the publishing and design skills learned in this class, you will create the types of publications or projects that are used within the business world: websites, blogs, online presentations, magazines, newspapers, newsletters and brochures, etc.

DIGITAL MEDIA ARTS

Learning how to tell your stories your way is at the heart of Digital Media Arts at Enver Creek. Video capture and production is an ‘in-demand’ skill across many professions. Take your ideas from concept through production learning how to use video capture gear, production techniques, lighting, video stabilizers, camera drones, rigs and post-production tools to create your finished projects. Working with video in a collaborative media studio environment, students will develop skills transferable to career opportunities in the Animation, Film & Television industries. You can enter Digital Media Arts at any grade level. It gives you the opportunity to develop creative control of your ideas and be able to create projects that move audiences and get noticed. This course is an excellent choice for those who wish to develop their ‘Demo Reel’ for future entrance into Post-Secondary Programs in Animation, Film and Television.

Digital Media Art 10

Introduces students to Digital Media Arts by producing a wide range of projects such as Music Videos, Movie Trailers, Commercials, Sports Interviews, & Visual Effects. Learn how to use a range of video capture tools, camera rigs, stabilizers, non-linear editing software, sound, and lighting

techniques. Develop the distinctive skills you need to produce your own productions. Understanding Media Awareness, Visual Culture, Media Criticism and the future of 21st Century Media are integrated into the course. Students will also create video segments for the student-produced TV show, “ECTV”. The skills developed in this course are useful for students interested in career opportunities in the Film and Television industries.

Digital Media Art 10 Advanced Production

Recommended Prerequisite: Media Art 10

Students will create video projects at an advanced level exploring new formats such as documentary, experimental, and promotional videos incorporating “green screen” and other techniques. They will deepen their understanding of production tools and use more complex editing techniques to create their projects. They will learn how to become successful image makers creating distinctive video that explores their own unique visual language. Understanding Media Awareness, Visual Culture, Media Criticism and the future of 21st Century Media are integrated into the course. Students will also create video segments for the student-produced TV show, “ECTV”. The skills developed in this course are useful for students interested in career opportunities in the Film and Television industries.

Media Art 11

Students will create video projects at the introductory level. They will be taught how to operate professional video cameras, camera drones, video stabilizers & rigs, non-linear editing systems, create and record sound effects, and learn lighting techniques for video productions. Students will also create video segments for the student-produced TV show, “ECTV”. Understanding Media Awareness, Visual Culture, Media Criticism and the future of 21st Century Media are integrated into the course. This course is an excellent choice for those who wish to develop a ‘Demo Reel’ for entrance into Post-Secondary Programs in Animation, Digital Film and Television Production.

Media Art 11 Advanced Production

Recommended Prerequisite: Media Art 11

Students will create video projects at an advanced level exploring new formats such as documentary, experimental, and promotional videos incorporating “green screen” and other techniques. They will deepen their understanding of production tools and use more complex editing techniques. They will

create their unique productions that explore their developing visual language. They will engage in film criticism and continue to develop a critical eye. Understanding Media Awareness, Visual Culture, Media Criticism and the future of 21st Century Media are integrated into the course. Students will also create video segments for the student-produced TV show, “ECTV”. This course is an excellent choice for those who wish to develop their ‘Demo Reel’ for entrance into Post-Secondary Programs in Animation, Digital Film and Television Production.

Media Art 12

Recommended Prerequisite: Media Art 11

This course is designed for returning media students as well as new students wanting to develop video production skills and techniques. They will learn advanced techniques with more complex tools including camera drones, video stabilizers & rigs, and various non-linear editing systems. Students will deepen their knowledge and experience to create and respond at a higher level to the video productions process. Students will also contribute to the student-produced TV show, “ECTV”. Understanding Media Awareness, Visual Culture, Media Criticism and the future of 21st Century Media are integrated into the course. This course is an excellent choice for those who wish to develop their ‘Demo Reel’ for entrance into Post-Secondary Programs in Animation, Digital Film and Television Production.

Digital Animation 10

This course introduces you to the world of animation. You will create projects in a variety of techniques and media such as table-top, cut-outs, and Claymation and apply that to Digital Animation software like Maya, Adobe After Effects, and Blender. You will also learn how to use desktop video editing tools to assemble video, music and sound effects to bring you characters to life. Understanding Media Awareness, Visual Culture, Media Criticism and the future of 21st Century Media are integrated into the course. (Option: Classical Animation with an emphasis on drawing and painting using traditional art media to create animation projects.) The skills developed in this course are transferable to career opportunities in the Animation, Film & Television industries. This course is an excellent choice for those who wish to develop their ‘Demo Reel’ for entrance into Post-Secondary Programs in Animation, Digital Film and Television Production.

Digital Communications 11(Animation)

This course introduces senior students to the world of animation. It follows a similar structure as the Animation 10 but is geared for the older student. You

will create animation projects using cut-outs and cell animation as well as tabletop object and Claymation techniques. You will also use desktop editing tools to assemble video, music and sound FX. You will also learn to apply classical animation techniques to software such as Adobe After Effects. You will engage in film criticism and continue to develop a critical eye. (Option: Classical Animation with an emphasis on drawing and painting using traditional art media to create animation projects.) This course is an excellent choice for those who wish to develop their ‘Demo Reel’ for entrance into Post-Secondary Programs in Animation, Digital Film and Television Production.

Digital Communications 11 Advanced (Animation)

Recommended Prerequisite: Animation 10

This course is designed for students who have completed Animation 10 and want to deepen their experience in animation. You will create animation projects using advanced techniques to synchronize sound & motion as well as create effective sets and props. Students have the option to specialize in Computer-based animation with Adobe After Effects or classical animation techniques. You will also be introduced to 3D animation software. You will continue to engage in film criticism and develop your personal style and visual language. (Option: Classical Animation with an emphasis on drawing and painting using traditional art media to create animation projects.) This course is an excellent choice for those who wish to develop their ‘Demo Reel’ for entrance into Post-Secondary Programs in Animation, Digital Film and Television Production.

Digital Media Development 12 (Animation)

This course is designed for students who want to deepen their experience of the world of animation or for those just entering the world of animation and want to explore the possibilities. Create animation projects using techniques to synchronize sound and motion; create imaginary worlds by building believable sets and props with digital tools or as practical sets for your characters. Develop a short film and focus on specific area of animation that interests you and complete film festival quality projects. Students in this course have the option of creating animated openings and graphics for the production of special video projects. They will continue to engage in film criticism and develop their own visual language. You will also learn to apply classical animation techniques to software such as Adobe After Effects. (Option: Classical Animation with an emphasis on drawing and painting using traditional art media to create animation projects.) This course is an excellent choice for those who wish to develop their ‘Demo Reel’ for entrance into Post-Secondary Programs in Animation, Digital Film and Television Production.

PEER TUTORING and PEER COUNSELLING and MEDIATION

Peer Tutoring 11/12

Recommended Prerequisite: Good work habits and excellent attendance, a sincere interest in developing leadership and permission of a Counsellor and/or Peer Tutor Facilitator.

This course is designed to provide senior students, grade 11-12, with the opportunity to enhance their interpersonal communication and leadership skills while assisting younger students in the classroom.

Peer tutors are students with:

- Excellent attendance and behaviour in all previous courses
- Academic strength and work ethic in three subject areas/courses
- A strong desire to work closely with teachers and students
- A positive attitude towards learning
- Strong organizational and study skills
- Initiative, independence and respect for others

Students will go through training to prepare them for the Peer Tutoring role. During training they will learn how to communicate empathy and encouragement while working with students who have challenges that interfere with learning. The Peer Tutoring program provides students with a unique opportunity to examine and share knowledge and learning strategies in a classroom environment under the supervision of a classroom (sponsor) teacher.

Peer Counselling and Mediation 11

In Peer Counselling and Mediation 11, students will acquire knowledge and skills in: effective communication, active listening, empathic response, questioning techniques, problem solving and conflict resolution. Students will also explore values, ethics and learn how to remain neutral and unbiased while assisting others. Peer Mediators will also learn skills around how to manage their own stressful situations. Most notably, students will be trained in a formal mediation process which will provide them the opportunity to work with others to assist members of the school community work through conflict.

Peer mediators should have the following traits:

- Excellent attendance and behavior in previous courses

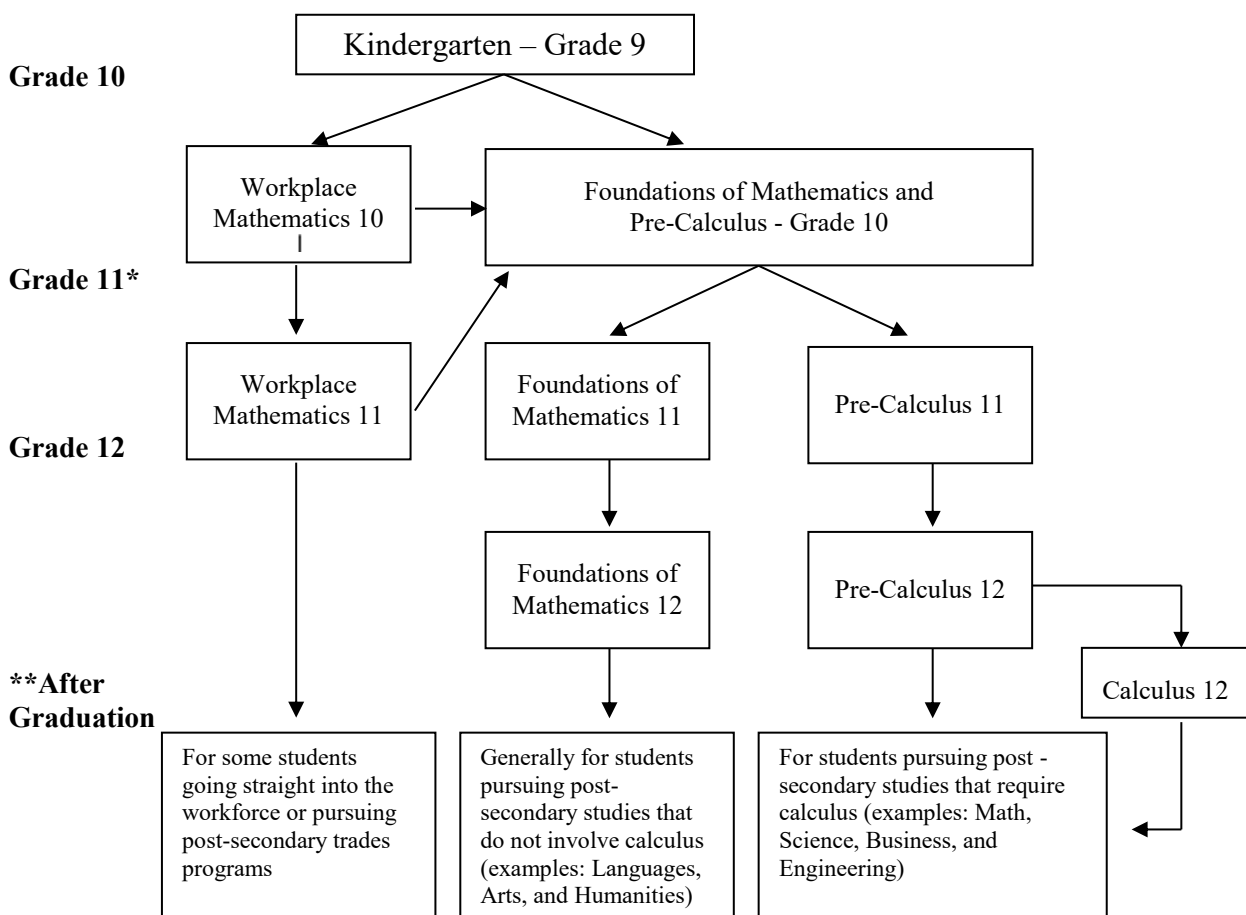
- Strong work ethic and ability to work with others (individually and in group settings)
- A strong desire to work closely with teachers and students of Enver Creek
- A positive attitude towards learning
- Initiative, independence and respect for others

Interested students will fill out an application form, which will include a Counsellor/Teacher recommendation.

MATHEMATICS PATHWAYS DIAGRAM

The Mathematics curriculum is designed to provide all students with opportunities to progress in achieving their intellectual, social, human and career goals. Students should explore the course options, keeping in mind their career objectives and what courses they will need to fulfill their goals. Parents and students should maintain contact with their Math teacher if a concern or question arises regarding Mathematics, and see their counselor for information on meeting graduation and post-secondary requirements.

Mathematics Pathways and Course Options



* The successful completion of any Grade 11 Mathematics course fulfills the Mathematics graduation requirement.

** The Workplace and Foundations pathways in terms of math curriculum are not at all alike. For example a student who completes Workplace 10/11 has not completed any of the learning for the Foundations Pre-Calculus pathway. Any student who completes the Workplace 10/11 pathway is then able to take any math course they wish as they have completed their graduation requirement. However from a math knowledge and skills standpoint they will need to start the Foundations Pre-Calculus pathway at the grade 10 level.

It is the responsibility of each student to research which pathway(s) and levels of achievement are accepted by each post-secondary institution and program they are applying to. ***Students should consult post-secondary entrance information for math requirements. Your counselor can assist you in this area.

MATHEMATICS

As each math course progresses, students should discuss their achievement and future math plans with their math teacher. ***Grade 10 students will be placed in an appropriate Math 11 program by their current teacher. Grade 11 students will make future math selections in consultation with their counselor and math teacher.*** Students should discuss any concerns about placements and recommendations with their math teacher.

Workplace Mathematics 10

Recommended Prerequisite – Mathematics 9

The goal of this course is to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include statistics and probability, measurements, geometry, and earning an income. The seven mathematical processes (communication, connections, mental mathematics and estimation, problem solving, reasoning, technology, and visualization) are interwoven throughout the mathematical topics. After successful completion of Workplace Mathematics 10 students can choose to take Workplace Mathematics 11 to continue to develop the conceptual knowledge and skill set that will be useful for them moving forward to some post-secondary institutions focusing on trades and/or directly into the workforce.

Foundations of Mathematics & Pre-Calculus 10

Recommended Prerequisite – Strong Standing in Mathematics 9

The goal of this course is to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies. Topics include measurements, exponents and radicals, relations and functions, arithmetic sequences and series, and earning an income. The seven mathematical processes (communication, connections, mental mathematics and estimation, problem solving, reasoning, technology, and visualization) are interwoven throughout the mathematical topics. After successful completion of the Foundations of Mathematics and Pre-calculus 10 course students can choose to take Foundations of Mathematics 11 (if the student is planning to take a post-secondary program that does not require the study of theoretical Calculus) or Pre-calculus 11 (if the student is planning to take a Post-Secondary

program that requires the study of theoretical Calculus).

Workplace Mathematics 11

Recommended Prerequisite – Successful completion of any Grade 10 Mathematics course.

This course is specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades at Post Secondary and for direct entry into the work force. Topics include probability and statistics, rate of change, 3D objects, perspective diagrams, and personal finance. This course does not prepare students for Foundations of Math 12 or Pre-calculus 12 and therefore should be viewed as a course in Mathematics that fulfills the Mathematics requirement for high school graduation.

Foundations of Mathematics 11

Recommended Prerequisite – Strong Standing in Foundations of Mathematics and Pre-calculus 10

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical Calculus, such as Economics, Geography, Psychology, Criminology, Arts or Humanities. Most students should choose this pathway. Topics include geometric reasoning (angles and triangles), logical reasoning, 2-variable linear inequalities, quadratic functions, systems of equations, and optimization. The seven mathematical processes (communication, connections, mental mathematics and estimation, problem solving, reasoning, technology, and visualization) are interwoven throughout the mathematical topics. Successful standing in this course should prepare students for Foundations of Mathematics 12. This course does not prepare students for Pre-calculus 12.

Pre-Calculus 11

Recommended Prerequisite – Very Strong Standing in Foundations of Mathematics and Pre-calculus 10

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus, such as Math, Business, Sciences or Engineering. Topics include expressions and equations (absolute value, radical, rational), trigonometry (angles in standard position, non-right triangles), absolute value functions, reciprocal

functions, quadratic functions and equations, systems of equations and inequalities (including quadratic), and personal finance. The seven mathematical processes (communication, connections, mental mathematics and estimation, problem solving, reasoning, technology, and visualization) are interwoven throughout the mathematical topics. Successful standing in this course should prepare students for Pre-calculus 12.

Foundations of Mathematics 12

Recommended Prerequisite – Strong Standing in Foundations of Mathematics 11

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical Calculus, such as Economics, Geography, Psychology, Criminology, Arts or Humanities. Topics include geometry (conics, fractals), graphs (polynomial, logarithmic, exponential, trigonometric), regression analysis, combination and probability, and financial planning. The seven mathematical processes (communication, connections, mental mathematics and estimation, problem solving, reasoning, technology, and visualization) are interwoven throughout the mathematical topics. This course does not prepare students for Pre-calculus 12.

Pre-Calculus 12

Recommended Prerequisite – Very Strong Standing in Pre-calculus 11

This course is meant to prepare students wishing to pursue post-secondary programs requiring mathematics as well as preparation for the Calculus 12 course. Students will build upon topics covered in the Pre-calculus 11 course and as such should have achieved a strong standing in Pre-calculus 11 course. Topics covered include transformations, functions and equations (polynomial, rational, exponential, logarithmic, trigonometric), geometric sequences and series. The seven mathematical processes (communication, connections, mental mathematics and estimation, problem solving, reasoning, technology, and visualization) are interwoven throughout the mathematical topics. A strong standing in this course is necessary to pursue Calculus 12.

Calculus 12

Recommended Prerequisite – A strong standing in Pre-Calculus 12

This course is highly recommended for students pursuing Post-Secondary degrees in Mathematics, Engineering, Science and Business. Both differential and integral calculus are covered in this course. Students will explore such topics as graphing and limits, derivatives, anti-differentiation and problem solving. The focus of this course will be on using analytical, graphical, algebraic, numerical, and verbal skills to solve problems. Students entering this course should have achieved a very strong standing in previous mathematics courses and possess outstanding work habits.

Math Pre-Calculus 12 Honours and Calculus 12 AP (Advanced Placement)

The option exists for students to take both grade 12 Pre-calculus and Calculus math in an AP format. The courses are taught in a linear schedule and require a full year commitment. The content is similar to the regular Pre-Calculus 12 and Calculus 12 classes but includes the option of writing an AP exam which is scheduled for May of that school year. Students who plan to apply to Commerce, Science or Engineering programs in post-secondary are recommended to take this course.

MODERN LANGUAGES

The principal goal of our Language program is to develop communication skills so that students will have the desire and ability to express themselves in real-life situations. An additional goal is to promote cultural awareness and appreciation. **According to the B.C. Ministry Language Education Policy, it is mandatory to study a second language for four consecutive years (Grades 5, 6, 7 and 8).** A Grade 11 language course is a prerequisite for many post-secondary programs.

French 10

Recommended Prerequisite: French 9

Students will continue to develop their oral and written abilities. This gives the students an opportunity to use a range of useful vocabulary in order to participate in meaningful, real-life situations. Students will continue to learn about the cultures associated with the French language.

French 11

Recommended Prerequisite: French 10

Students will continue to develop and improve their communicative skills. They will have the opportunity to participate in situations that are personally meaningful. There is a focus on improving written and oral expression. Students will continue to gain an appreciation for the culture associated with the French language. Successful completion of this course provides the minimum language requirements needed for most universities.

French 12

Recommended Prerequisite: French 11

This course is the culmination of the study of French language and culture at the secondary level. More complex facets of language and literature are introduced, and French culture is explored in greater detail. Students will refine their reading, writing, listening and speaking skills.

Punjabi Courses

In order to determine which level students are eligible for, pre-testing will be administered.

Intro Punjabi 10

Intro Punjabi 10 is a course designed for those wanting to acquire communication skills using the Punjabi language. Students are not required to have any prior exposure to Punjabi, although it would be an asset. Students will begin with the basics of Gurmukhi (Punjabi language). Students will learn how to read and write using Punjabi. In addition, Punjabi culture and history will be explored, through various projects and assignments. Intro Punjabi 10 provides the prerequisite for Punjabi 11.

Punjabi 11

Punjabi 11 will build on skills already acquired from the Senior Punjabi 10 Introductory course. Students are expected to have a basic understanding of the written language prior to taking this course. Students will develop their communication skills in speaking, reading and writing. Punjabi culture will also be explored. Successful completion of Punjabi 11 provides the minimum language entrance requirement needed for most university programs.

Spanish 10

Recommended Prerequisite: Spanish 9

The focus of this course is to further explore the communicative language skills of reading, writing, listening, spoken production and interaction. An

expanded vocabulary and grammatical range will allow students to engage in authentic, real-life activities. Cultural elements are more profoundly explored the Spanish-speaking world. This course is intended for Grade 10 students.

Spanish 11

Recommended Prerequisite: Spanish 10

Students will continue to develop and improve their reading, writing and listening skills. Oral interaction will develop further spontaneity. There will be a focus on further refining written and oral expression. Students will continue to gain appreciation and understanding of Hispanic and Spanish cultures. Successful completion of this course will fulfill minimum language requirements needed for most universities.

Spanish 12

Recommended Prerequisite: Spanish 11

This is an advanced Spanish language course designed to continue to refine reading, writing, listening and speaking skills developed in previous levels. More complex aspects of Hispanic culture and history are explored.

PHYSICAL & HEALTH EDUCATION

Physical & Health Education 10

PHE 10 builds on PHE 9 and expands the learning experiences for students through a diverse range of big ideas, activities and content. As PHE 10 is the last mandatory PHE curriculum for students, it completes the process of establishing a strong foundation of skills, knowledge, and attitudes for students and prepares them for Grade 11 and 12 PHE courses that relate to their interests and passions. Students are expected to:

- develop an understanding of the many aspects of well-being, including physical, mental, and social.
- develop the movement knowledge, skills, and understandings needed for lifelong participation in a range of physical activities.
- develop knowledge, skills, and strategies for building respectful relationships, positive self-identity, self-determination, and mental well-being.
- demonstrate the knowledge, skills, and strategies needed to make informed decisions that support personal and community health and safety.

Fitness 10

Recommended Prerequisite: PHE 9

This course is a fitness and conditioning course. Fitness 10 will focus entirely on cardio-vascular fitness, muscular strength and endurance training, and flexibility. Students will have an opportunity to better their understanding of the importance of cardiovascular, muscular strength, and flexibility training through exploration of concepts of physical fitness and human anatomy and physiology. The course requires no skill in terms of team sport performance – **you do not need to be an athlete to be successful in this course – BUT YOU MUST BE MOTIVATED!** This is a great opportunity to get in shape and learn how your body works.

Active Living 11

Recommended Prerequisite: PHE 10

This course will enable students to explore and learn about the concept of recreation through participation in a variety of physical activities that will fit their interests and passions. Students wanting to incorporate a variety of recreational activities during their graduation years will benefit from this curriculum. Students will develop an understanding of the impact of various types of physical activities on their health and mental well-being. Students will develop and demonstrate the skills needed to plan, organize and safely participate in recreational activities after graduation. Students will also focus on the development of their leadership skills and are required to complete leadership hours.

Active Living 11/12 Girls

The focus in this class will be on creating an environment in which girls feel comfortable and confident moving their bodies in activities and games. This course will include sports and activities played in regular PHE classes as well as activities that will show students how to stay active for life. Through daily participation students will gain strength and improve their fitness while having fun. This all-female environment will help girls build the skills, knowledge, and attitudes necessary to develop a lifestyle that will keep them healthy and fit as they move into adulthood.

Fitness & Conditioning 11

Recommended Prerequisite PHE 10

This course will focus on enhancing the 5 health components of fitness: cardio-vascular endurance, muscular strength and endurance training, flexibility and body composition. The course will focus on 4

curricular competency categories – healthy and active living, human anatomy and physiology, principles of training and social responsibility. Students will learn about their body's muscular, cardiovascular and skeletal systems, energy systems, components of an exercise session, exercise safety and etiquette and the various training principles of program design. The course is a combination of theory and practical with most of the time devoted to applying the theory acquired through workshops and labs. This course requires students to complete leadership hours.

Weight Training 11

Recommended Prerequisite: PHE 10

This course will provide students with opportunities to participate in the many facets of strength-training. Students will learn a variety of strength-training techniques and how to use different types of equipment to achieve a high level of fitness. Some of the equipment that will be utilized will include dumbbells, resistance bands, kettle bells, cable machines, med balls and body bars. Students will also learn the principles of training, strength-training safety procedures, and the importance of nutrition. Students will be expected to develop, implement, and modify their own personal strength-training program. The physiology of strength-training necessitates days of rest from resistance workouts; thus, students will be expected to participate in other activities ex cardiovascular, flexibility and knowledge based.

Weight Training 12

Recommended Prerequisite Weight Training 11

This course will build upon the knowledge gained in Weight Training 11. Students will be introduced to more complex strength training program designs allowing them to achieve evolving fitness goals. Students will continue to build their library of exercises using the various pieces of equipment including: dumbbells, resistance bands, kettle bells, cable machines, med balls and body bars. Students will gain experience in analyzing the technique of fellow class mates and then provide cues to help correct techniques. In addition to working on personal programs students will gain the knowledge of how to design programs for others and what considerations must be taken when designing those programs. Nutrition education will continue to be important component of the course. On days where we do not weight train students should be prepared for cardiovascular, flexibility and knowledge based activities.

Fitness & Conditioning 12

Recommended Prerequisite: Fitness 11

Students will continue to focus on the 4 curricular competency categories – Healthy and Active living, Human Anatomy and physiology, principles of training and social responsibility. Students will continue to enhance the 5 health components of fitness. Students will analyze their personal fitness test scores to create goals for each of the 5 health components of fitness. Students will participate in kinesiology-based lab work to compare various activities to promote long-term health maintenance. As future consumers, students will assess community facilities based on cost, facility program offerings and accessibility. Increased weighting will be placed upon personal improvements in goal areas, demonstrated skill and technique acquisition and collaboration skills during teamwork projects. This course requires students to complete leadership hours.

Active Living 12

Recommended Prerequisite: Active Living 11

This course will enable students to explore and learn about the concept of recreation and will assist students in finding enjoyable activities that can motivate them to participate more regularly in physical activity. Students will be able to employ tactics to increase their abilities and chances of success in a variety of physical activities and will be able to explain how their developing competencies can increase their confidence and significantly contribute to lifelong participation in physical activity. Students will develop and demonstrate skills needed to plan, organize and safely participate in recreational activities that will continue to be practiced after graduation. This course requires students to complete leadership hours.

SCIENCE

Science 10

The Science 10 curriculum is divided into 4 Big Ideas. These ideas are: (1) Genes are the foundation for the diversity of living things, (2) Chemical processes require energy change as atoms are rearranged, (3) Energy is conserved and its transformation can affect living things and the environment, and (4) The formation of the universe can be explained by the Big Bang Theory.

Science 10 Curricular Competencies will encourage and prepare students to:

- Demonstrate a sustained intellectual curiosity about a scientific topic or problem of personal interest.
- Make observations aimed at identifying their own questions, including increasingly complex ones, about the natural world.
- Select and use appropriate equipment, including digital technologies, to systematically and accurately collect and record data.
- Ensure that safety and ethical guidelines are followed in their investigations.
- Apply First Peoples perspectives and knowledge, other ways of knowing, and local knowledge as sources of information.
- Seek and analyze patterns, trends, and connections in data, including describing relationships between variables (dependent and independent) and identifying inconsistencies.
- Construct, analyze, and interpret graphs (including interpolation and extrapolation), models, and/or diagrams.
- Evaluate their methods and experimental conditions, including identifying sources of error or uncertainty, confounding variables, and possible alternative explanations and conclusions.
- Evaluate the validity and limitations of a model or analogy in relation to the phenomenon modelled.
- Exercise a healthy, informed skepticism and use scientific knowledge and findings to form their own investigations and to evaluate claims in secondary sources.
- Generate and introduce new or refined ideas when problem solving.
- Communicate scientific ideas, claims, information, and perhaps a suggested course of action, for a specific purpose and audience, constructing evidence-based arguments and using appropriate scientific language, conventions, and representations.

Science 10 with Elaborations (Honours)

The Science 10 curriculum is divided into 4 Big Ideas. These ideas are: (1) Genes are the foundation for the diversity of living things, (2) Chemical processes require energy change as atoms are rearranged, (3) Energy is conserved and its transformation can affect living things and the environment, and (4) The

formation of the universe can be explained by the Big Bang Theory.

In this course students will be given further opportunity to engage in their own inquiry into the natural world. Students will be encouraged to ask deep questions around the big ideas and will investigate scientific problems by using the scientific method.

Science 10 Curricular Competencies will encourage and prepare students to:

- Demonstrate a sustained intellectual curiosity about a scientific topic or problem of personal interest.
- Make observations aimed at identifying their own questions, including increasingly complex ones, about the natural world.
- Select and use appropriate equipment, including digital technologies, to systematically and accurately collect and record data.
- Ensure that safety and ethical guidelines are followed in their investigations.
- Apply First Peoples perspectives and knowledge, other ways of knowing, and local knowledge as sources of information.
- Seek and analyze patterns, trends, and connections in data, including describing relationships between variables (dependent and independent) and identifying inconsistencies.
- Construct, analyze, and interpret graphs (including interpolation and extrapolation), models, and/or diagrams.
- Evaluate their methods and experimental conditions, including identifying sources of error or uncertainty, confounding variables, and possible alternative explanations and conclusions.
- Evaluate the validity and limitations of a model or analogy in relation to the phenomenon modelled.
- Exercise a healthy, informed skepticism and use scientific knowledge and findings to form their own investigations and to evaluate claims in secondary sources.
- Generate and introduce new or refined ideas when problem solving.
- Communicate scientific ideas, claims, information, and perhaps a suggested course of action, for a specific purpose and audience, constructing evidence-based arguments and

using appropriate scientific language, conventions, and representations.

Life Sciences 11

Life Sciences 11 is a survey course of living things. The three themes of unity and diversity, evolutionary change and ecological relationships are used to study different life forms. The investigation and/or dissection of representative organisms is common. The following topics will be covered: *Adaptation and Evolution* - DNA, natural selection, speciation and extinction; *Microbiology* - viruses, bacteria and protists; *Mycology* - fungi; *Plant Biology* - algae, mosses, ferns, gymnosperms and angiosperms; *Animal Biology* - invertebrates, insects and vertebrates; *Ecology* - populations, photosynthesis and cellular respiration.

Life Sciences 11 Honours (Pre-AP)

This is an enriched and problem-centered course that prepares students for advanced level courses in the later years (Biology 12 AP). Students cover the content covered in a regular Life Sciences 11 course (Evolution, genetics, differences in complexity of animals and plants, types of asexual and sexual reproduction, bacteria and viruses). Some additional content is added to ease the transition from this course into Biology 12 AP. There is also a focus on students asking their own questions in biology, and answering them through the design and implementation of long-term lab experiments. Students practice scientific academic writing to prepare them for entry into a university science program.

Anatomy and Physiology 12

The incredible complexity of the human body is inherently fascinating to most students. However, knowledge of the various physiological systems is not enough to give students a deep enough understanding of the intricate interrelationships between the body systems. As this course develops, you will build up an ever more complex understanding of how the various organ systems work in synchrony, with dazzling choreography, to maintain a state of ‘survivability’ or homeostasis. Your understanding of DNA’s pivotal role will also become clearer as the course develops. This course is academically rigorous and students will benefit from a good understanding of Chemistry 11. Assessments are designed not only to test your mastery of the curriculum but also determine how well you can use your knowledge to help patients in simulated

medical scenarios or case studies. It is particularly suitable for any student who may wish to enter the medical realm.

Anatomy and Physiology 12 Honours / Biology 12 AP

The option exists for students to take both grade 12 Anatomy and Physiology 12 Honours and Biology 12 AP in an AP format. The courses are taught in a linear schedule and require a full year commitment. Biology 12 AP is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions.

This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Investigations require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Students should have successfully completed Life Sciences 11 (Pre-AP).

The course is based on four Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about living organisms and biological systems. The following are Big Ideas:

- The process of evolution explains the diversity and unity of life.
- Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis.
- Living systems store, retrieve, transmit, and respond to information essential to life processes.
- Biological systems interact, and these systems and their interactions possess complex properties.

Students establish lines of evidence and use them to develop and refine testable explanations and predictions of natural phenomena. Focus on these disciplinary practices and applications of the principles of scientific inquiry promotes a more

engaging and rigorous experience for AP Biology students. Such practices require that students:

- Use representations and models to communicate scientific phenomena and solve scientific problems;
- Use mathematics appropriately;
- Engage in scientific questioning to extend thinking or to guide investigations within the context of the AP course.
- Plan and implement data collection strategies in relation to a particular scientific question;
- Perform data analysis and evaluation of evidence.
- Work with scientific explanations and theories and
- Connect and relate knowledge across various scales, concepts, and representations in and across domains.

Chemistry 11

Recommended Prerequisite: C+ in Science 10

This is an introductory laboratory course encompassing the 5 big ideas: (1) Atoms and molecules are building blocks of matter (2) Organic chemistry and its applications have significant implications for human health, society, and the environment (3) The mole is a quantity used to make atoms and molecules measurable (4) Matter and energy are conserved in chemical reactions (5) Solubility within a solution is determined by the nature of the solute and the solvent.

Chemistry 11 Curricular Competencies will encourage and prepare students to:

- Demonstrate a sustained intellectual curiosity about a scientific topic or problem of personal, local, or global interest
- Make observations aimed at identifying their own questions, including increasingly abstract ones, about the natural world
- Use appropriate SI units and appropriate equipment, including digital technologies, to systematically and accurately collect and record data
- Seek and analyze patterns, trends, and connections in data, including describing relationships between variables, performing calculations, and identifying inconsistencies
- Evaluate their methods and experimental conditions, including identifying sources of error or uncertainty, confounding variables, and possible alternative explanations and conclusions

- Consider social, ethical, and environmental implications of the findings from their own and others' investigations
- Cooperatively design projects with local and/or global connections and applications
- Communicate scientific ideas and information, and perhaps a suggested course of action, for a specific purpose and audience, constructing evidence-based arguments and using appropriate scientific language, conventions, and representations

This course provides students with the foundational skills required for any first-year university chemistry course and is a pre-requisite for most post-secondary science programs.

Chemistry 11 Honours (Pre-AP)

Recommended Prerequisite: A in Science 10

This is an enriched, hands-on, problem-centered course that prepares students for advanced level courses in the later years (AP Chemistry). In addition to the topics mentioned under the Chemistry 11 curriculum, the students will also investigate the following topics:

- Intramolecular Bonding Forces
- Intermolecular Bonding Forces and the Condensed States
- Chemical Reactions
- Organic

The Chemistry 11 Honours (Pre-AP) Curricular Competencies will encourage and prepare students to develop their inquiry skills as students investigate the following:

- How does organic chemistry apply to your life?
- What are some applications of chemical reactions within your local community?
- How does the solubility of carbon dioxide in the oceans contribute to climate change?
- How would you measure negative and positive impacts of chemical reactions on human health, society or the environment in your local community?
- How could you use solution chemistry analysis techniques to investigate local water or soil samples?
- Use a solubility chart to predict whether ions can be separated from a solution through precipitation and outline an experimental procedure that includes the compound added, precipitate formed, and method of separation.

- How would you estimate the uncertainty in a measurement, and how does using significant figures communicate uncertainty?
- Construct, analyze, and interpret graphs of electronegativity, atomic radii, and ionic radii.
- What solutions would you propose to address concerns about carbon dioxide in the environment?
- Having been hired by the local government in your community to consult on the chemistry of fireworks, what suggestions would you provide for a spectacular yet safe show?

Chemistry 12

Recommended Prerequisite: C in Chemistry 11

This is a problem-centered laboratory course involving more advanced concepts. Experimentation and problem solving are major parts of the course. The following topics are the basis for Chemistry 12: Reaction Kinetics; Equilibrium; Solubility of Ionic Substances; Acids, Bases and Salts; Oxidation – Reduction. The Big Ideas are:

- Reactants must collide to react, and the reaction rate is dependent on the surrounding conditions.
- Dynamic equilibrium can be shifted by changes to the surrounding conditions.
- Saturated solutions are systems in equilibrium.
- Acid or base strength depends on the degree of ion dissociation.
- Oxidation and reduction are complementary processes that involve the gain or loss of electrons.

Chemistry 12 Honours / Chemistry 12 AP

The option exists for students to take both Chemistry 12 Honours and Chemistry 12 AP in an AP format. The courses are taught in a linear schedule and require a full year commitment. This is a laboratory-based course equivalent to first year university level courses. The prerequisite topics that are relevant to AP Chemistry include: Measurement in Chemistry, Physical and Chemical Change and Separation Methods, Atomic Theory, Periodic Table and Periodicity, Nomenclature and Bonding in Ionic and Covalent Compounds (including VSEPR Theory), Balancing and Predicting Products of the Major Reaction Types and an introduction to the Mole Concept. It is recommended that students have a fair understanding of these topics prior to taking AP Chemistry. The AP Chemistry curriculum includes the following:

- Structure & States of Matter

- Reactions
- Descriptive Chemistry
- Laboratory

This course is strongly recommended for students who are planning on taking minimum first year chemistry courses at post-secondary level. The students will find this course an excellent preparation for the challenges they may face in their first-year chemistry courses.

Earth Science 11

Earth Science 11 is a survey course which, through lab and field experiments, explores the Earth and its environment in space. The following topics are the basis: *Geology* - materials, weathering, erosion, volcanoes, earthquakes, tectonics; *Oceanography* - basins and currents; *Astronomy* - stars, solar system, earth and moon; *Atmosphere* - pressure, winds, weather and climate; *History* - geological time, earth history.

Environmental Science 11 This course will provide students with place-based learning opportunities and connecting with our school environment and the nature around us. It will allow students to connect with the bigger environmental concerns there are around the world. This course is a great alternative for students who are interested in finding ways to help our ecosystem and apply their learning to the real world. The course will incorporate outdoor learning related to prior biology classes and field trips to allow students to experience their learning in new ways. Students will learn about the complex roles and relationships that contribute to diversity of ecosystems and learn about the natural processes that change the ecosystem. Further, they will learn about ways humans contribute to their own ecosystem and investigate the ways they can be sustainable. Through the course, students will develop and learn about the ways they can restore the ecosystem and explore strategies outside the classroom.

Physics 11

Recommended C+ in Science 10 and Recommended C+ in Foundations & Pre-Calculus Mathematics 10

Physics 11 is an introductory course that focuses on the principles and theories of physics, encourages investigation of physical relationships, and illustrates the relationship between theory and application. The scientific Curricular Competencies of Questioning & Predicting the physical world, Planning & Conducting experiments, Processing and Analyzing

Data and Information, Evaluating, Applying & Innovating, as well as Communicating will be used to explore the Big Ideas in Physics 11:

- Kinematics: An object's motion can be predicted, analyzed and described
- Dynamics: Forces influence motion of an object
- Energy, machines, and circuits: Energy is found in different forms, is conserved, and has the ability to do work
- Waves and Optics: Mechanical waves transfer energy, but not matter

Physics 12

Physics 12 is an advanced course for those who plan to continue studying science or applied science at a post-secondary institution. This course will help students develop analytical, experimental and problem-solving skills. The following topics will be studied: Vector Kinematics in Two Dimension, Dynamics, Vector Dynamics, Work, Energy, and Power, Momentum, Equilibrium, Circular Motion, Gravitation, Electrostatics, Electric Circuits, Electromagnetism and Electromagnetic Induction and Basic Relativity.

Science for Citizens 11

All aspects of our lives are affected by scientific decisions. Whether we're receiving medical treatments, using transportation infrastructure, crossing bridges, living or working in buildings or using technology to learn and communicate, every day we're completely immersed in a society shaped and manipulated by science. This course attempts to inform you of how science is connected to everything we do. We have tried to make the course extremely hands-on, where your success is linked to your ability to use science as a tool to solve problems intelligently and strategically. Often, you'll have to engineer solutions to problems. During the semester you'll frequently work with partners and small groups so communication skills and teamwork will be developed.

Laboratory Technology 12

Laboratory Technology 12 is a highly skilled, applied and hands-on course that requires a strong comprehension of chemistry, biology and physics courses. It is expected that students have successfully completed chemistry plus one other science course in their grade 11 year. This course is designed to strengthen the leadership and

organizational skills of the students which will prepare them for all disciplines at the post secondary level. The student has to be recommended by at least two science teachers followed by an interview with the Science Department Head. This is a four credit course and will be evaluated like any other course. The Student will demonstrate both curricular and core competencies in the following ways:

Processing and analyzing data and information

- WHIMIS and general lab safety training
- Conduct an inventory of supplies and other materials and maintain a record of items that need to be ordered
- Conduct an inventory of all science rooms checking for safety equipment, supplies and working condition of safety devices such as the eye wash station

Planning and Conducting

- Prepare and set up labs
- Organize and maintain the different areas of the Prep Room

Applying and Innovating

- Assist students during labs
- Apply chemistry concepts in preparing solutions (under supervision)
- Assist in organizing events in the department such as Science Fair, Science Club, Science Intramurals, Crystal Growing Competition, etc.

Communicating

- Demonstrate the use of science equipment such as microscopes, Bunsen burners, etc. to other students
- Sign into google docs to check what labs need to be set up

Evaluating

- Prepare and maintain a Lab Tech Manual that will be accessible to all Lab Techs showing how to prepare, e.g. agar plates or a chemical solution
- A weekly reflection of what you have learned and what the future lab techs should know
- Make a video of a lab skill such as preparing a standardized solution

Questioning and Predicting (Personal and Social Awareness)

- A semester-end project where the student will research and design an activity related to the impact of human activities on environmental changes or pollution

SOCIAL STUDIES

Social Studies 10

The focus of this course is the study of Canadian history from 1911 to the present. One of the main themes is the growth of Canada as a nation and the struggle for self-government. Students will also examine Canadian federal and provincial government systems. In the human geography section, students examine population patterns of Canada and the world, compare Canada's standard of living with those of developing countries, and assess environmental challenges facing Canadians including global warming, ozone layer depletion and fresh water quality and supply.

Social Studies 10 Honours

Social Studies 10 Honours reflects the regular Social Studies 10 course curriculum, but is designed to enhance students' skill and appreciation of history, geography and citizenship. The activities and resources are selected to appeal to those students who demonstrate a high level of interest and ability in Social Studies.

Explorations in Social Studies 11

Social Studies 11 Explorations is a sampler course that will incorporate modules of three grade 12 Social Studies courses (History, Law, Social Justice, Genocide, Geography, First Peoples, and Political Studies). This class will provide students with a small taste of the big ideas of the three chosen modules, and will give them an opportunity to explore the particular content as an overview. Students can expect to get a sense of what is required for the grade 12 level of the particular module.

Genocide Studies 12

This course will examine the intentional destruction of peoples and their cultures throughout history. It will focus on the political, legal, social and cultural ramifications of such atrocities in different global regions. Students will examine the origins of the term genocide, characteristics, strategies and stages of mass violence, as well as global recognition for, responses to, and denial of violence. Students will examine historical evidence relating to the perpetrators, bystanders and victims in order to determine scale and nature of a variety of genocides, as well as international law and enforcement relating to the issue. Students will develop an understanding

of prejudices, discrimination, racism, ethical responsibility, and an active response to an injustice.

Human Geography 12

This course will now be offered every other year. It will be available to grade 11 & 12 students for the 2020-2021 school year, and then for the 2022/23 school year.

Human Geography will examine human activity and its effect on the planet. The course will focus on population growth and distribution, the global food crisis, resource use and development and building a sustainable future. Students will examine the meaning and relationship between culture and place, the impact of trade and globalization, industrialization, production and distribution of goods and services and agricultural practices to feed a growing global population.

Physical Geography 12

This course will now be offered every other year. It will be available to grade 11 & 12 students next year, for the 2021-2022 school year.

What is causing natural disasters such as floods, earthquakes, hurricanes and tsunamis? This course will examine the physical changes that our planet is undergoing. Students will gain a better understanding of climate change and the impact that humans have on the planet.

Law Studies 12

Law Studies 12 will provide students the opportunity to understand legal rights and responsibilities that allows citizens to participate more fully in society. Students will examine how laws can maintain the status quo or be a force for change. The course will look at how society's laws and legal framework affects many aspects of daily lives. Students will learn how laws are interpreted and evolve over time as society's values and worldviews change. The highlight of the course for many students is the field trip to the Law Courts for a firsthand experience.

Social Justice 12

Social Justice 12 will examine how basic human rights and social values are upheld and distributed in Canada and around the world. This course examines issues such as racism, poverty, sexism, homophobia, and globalization. Student focus will be on recognizing and understanding the causes and consequences of injustice. Students will understand how to behave in a socially responsible manner and become agents of change by exploring solutions to these issues by studying others who attempted to and/or were successful in creating change in the past.

20th Century World History 12

20th Century World History examines significant global events, trends and ideologies of the past century. Focus will be on nations in conflict, ideological differences within nations and with other nations, human rights movements, technology communication, transportation and the global economy. Students will gain the skills necessary to interpret historical events, ensure historical information is accurate and relevant, learn how to develop historical empathy and how to present clear and logical arguments.

Contemporary Indigenous Studies 12

This course seeks to provide students with a deep understanding of the ability of Indigenous peoples (in Canada and the world) to reclaim their physical, emotional, and spiritual well-being despite the continuing effects of colonialism with a focus on restoring balance and relationships between Indigenous and non-Indigenous peoples through healing and mending relations. The varied identities of Indigenous peoples and the importance of family relationships, language, culture, and the land will be studied across a wide geographic focus. This course will use the inquiry method of research and be assessed according to the historical thinking benchmarks.

Philosophy 12

Philosophy is a discipline that examines the nature of knowledge, reality, and existence. Throughout the course, we will develop and practice tools to investigate meaning and foster understanding of different ways of thinking. We will examine questions that allow us to question our assumptions and better understand our own beliefs. Questions often examine issues with no definitive answers, but we can examine which answers have more or less value.

Comparative World Religions 12

This is an academic course that will use Social Studies inquiry processes and practices and historical method to examine characteristics of various religions and spiritualities, with a major focus on the core beliefs, practices and ethics of major world religions, as well as spirituality in First Peoples' cultures. Students will learn to assess the origin and influences of religious movements and groups (cause and consequences), and compare the growth and decline of religions over time and the various degrees of continuity and time. We will look at

various religions from both insiders and outsiders' perspectives, and assess the similarities and differences in major world religions. The course will be both respectful and critical (in a historical sense) and enable us to have a deeper understanding of the religions of our neighbours. It will allow students to examine the bigger questions, and will enable insights into diverse global cultures and peoples, and the human search for transcendence. This course will involve direct instruction and the inquiry method of research, and will be assessed according to the historical thinking benchmarks.

REQUIRED CAREER EDUCATION COURSES

Career Life Education 10

The focus of Career Life Education is to enable students to develop the skills, knowledge and attitudes they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life. CLE 10 provides opportunities for students to gain a better understanding of themselves, to plan for successful learning throughout school, to think critically about personal choices and decisions, and to explore a wide-range of career and post-secondary options. The course lays the foundation for the creation of an integrated post-graduation plan presented in the form of a Capstone Project. Successful completion of Career Life Education 10 is required for graduation.

Career Life Connections 12

Career Life Connections is a graduation requirement to be completed by Enver Creek students in their TAG class. CLC 12 enables students to develop the skills needed to be self-directed individuals who set goals, make thoughtful decisions and take responsibility for their future pursuits. Students will explore education and careers, as well as personal health and finances. This course celebrates each student through numerous learning experiences contributing to a significant demonstration of learning in the Capstone Project. This is a culminating project in a student's area of interest or passion. CLC concludes with students presenting their Capstone Project to an audience during their grade 12 year.

CAREER PREPARATION COURSES / WORK EXPERIENCE

Cooperative Education (CO-OP) Course - Career Prep 1/2 day

Co-op Education Programs allow students the opportunity to explore and develop their knowledge and skills both in the classroom and through real-world work experiences. Students will develop skills in communication, interpersonal relations, teamwork, conflict and anger management. They will learn to apply these skills and knowledge to a variety of situations in school, in the community as well as in their selected career. Students must be prepared for some acceleration of class material to accommodate for the time spent outside the school in the work experience component. Students complete all or most of their work experience hours and/or assignments during a double block during the school day. Career Prep ½ day Co-op includes:

- Work Experience 12A
- Work Experience 12B
- Career Transitions 12

Work Experience Courses WEX 12A and WEX 12B

Work Experience can prepare students for the transition from secondary school to work or to further their educational training. Through Work Experience, students have the opportunity to observe and practice employability skills required in the workplace or develop technical and applied skills related to specific occupations or industries. Work Experience has two components: completion of 90 hours of work-based training and completion of written assignments, journals and evaluations. Work Experience can be completed at multiple locations and can be either volunteer or paid. To take part, students must have completed Career Life Education 10 and be in grade 11 or 12. These are 4-credit courses and are usually not part of the student's daily timetable and are completed outside of the regular school day during the school year (evenings, weekend or holidays) or if requested, during the summer. Students can drop by the Career Center any time to sign up for these courses. Students must complete WEX12A first and if they wish they can experience a second Work Experience opportunity through Work Experience 12B.

Youth Work In Trades

Students who are currently working in a trade or would like to work in a trade can earn credit toward both secondary school graduation and a provincially recognized industry training certification. Students must be registered with the School District and the Industry Training Authority as an apprentice to start accumulating hours towards trade certification. Students complete: WRK 11A; WRK 11B; WRK 12A; WRK 12B. Each course requires the students to complete 120 hours of apprenticeship training, assignments and evaluations. Each course is worth 4 credits for a maximum of 16 credits. Students must be at least 15 years of age and have completed the Planning 10 or Career Life Education 10 learning outcomes related to job seeking and job keeping, employment standards and workplace safety and be enrolled in grade 10, 11 or 12.

Youth Work in Trades Award (\$1000): students must complete all 4 WRK courses, maintain a C+ average in grade 12 courses (including all 4 WRK courses), and report a total of at least 900 hours to the ITA before December 31st of the school year the student turns 19.

District Partnership Programs

These programs allow students the opportunity to complete part or all of an entrance level trades training program at a post-secondary institution while they are in high school. Students earn credits toward secondary school graduation and a post-secondary credential simultaneously. Students receive early entry into a trade and may possibly start an apprenticeship. Tuition for most of these programs is paid for by the Surrey School District. Students must be at least 15 years of age and be in grade 10, 11 or 12. Priority is given to grade 11 and 12 students. Applications are completed in February and March. If you wish to take a program in grade 12 you must apply in grade 11. The following is a list of programs that are available:

Trades Programs Tuition Paid by SD36	Institution	Length
Auto Collision Repair	VCC	1 Sem
Auto Refinishing Prep	VCC	1 Sem
Auto Service Technician	KPU	1 Sem
Bakery and Pastry Arts	VCC	1 Sem
Culinary Arts	VCC	1 Sem

Carpentry	TBA	1 Sem
Drafting/CADD	KPU	2 Sem-Night
Electrical	BCIT	1 Sem
Hairstylist	Surrey College	2 Sem
Horticulture	KPU	6 Weeks
Metal Fabrication	BCIT	1 Sem
Millwright	KPU	1 Sem
Piping	KPU	1 Sem
Painter	FTIBC	6 Weeks
Trades Sampler	BCIT	12 Weeks
Welding	KPU	1 Sem

Non Trades Programs Tuition Paid by SD36	Institution	Length
Education Assistant	Surrey	1 Sem
Law Enforcement Prep	NVIT	1 Sem-Night
Aviation Sampler	BCIT	1 Sem
Health Sciences	KPU	3 weeks
Child and Youth Care	Douglas	3 weeks
Non Trades Programs Tuition paid by student	Institution	Length
Art (Head-start Program)	Emily	1 Sem-Night

ONLINE COURSES - SUPPORT BLOCKS FOR DISTRIBUTED LEARNING

Are you a self-disciplined, self-motivated visual learner with strong time management skills? If so, you may want to sign up to take an online course at Enver Creek. The benefits include:

- a support block with a classroom teacher supporting your learning
 - a distributed learning online teacher supporting your learning, and
 - being able to control the pace of your own learning as you move through your online course.
- See your counsellor for more information on taking an on-line course at Enver Creek.

*Attendance in the course during school hours is mandatory. Course enrollment is dependent on counsellor and administrative officer approval.

LEARNING SUPPORT (LST) & ELL

At Enver Creek Secondary School, Learning Support is provided to students with learning difficulties and to English Language Learner students. The LST classes at Enver Creek Secondary are designed to provide support for a variety of learning needs. We provide services to a large and varied group of students including those who are in the average intellectual range, have mild to moderate learning difficulties, need adapted programs, have gaps in their education, and to those who do not fit into any specific category.

Not only do we provide help for students, we also consult with teachers and provide assistance and suggestions as requested. One of our goals is to provide students a supportive, safe and welcoming environment where they can become more efficient and confident with their own learning styles and learning strategies.

Previously identified students (those in need of Learning Support) are assigned to an LST Block instead of an elective course. These blocks provide the students with learning strategies as well as an opportunity to be successful in their academic subjects.

Beginner ELL students are provided with a reception English class in order to provide a basis for English Language development. Intermediate ELL students are also assigned to ELL classes to provide language support and integrate language and content goals. More advanced ELL students may be provided with ELL or LST Blocks to provide language assistance for their academic subjects.

Student progress is constantly monitored by teachers and by counsellors in the school. Students that are having difficulty in their studies may be referred to the LST or ELL for support. Should parents or students feel that support is required they can contact their respective counsellor.

GRADUATION PROGRAM

REQUIRED COURSES

Subject Area:	Minimum Credits
an English 10 (2 – 2 credit courses)	4
an English 11	4
English Studies 12	4
Social Studies 10	4
a Social Studies 11 or 12	4
Science 10	4
a Science 11	4
a Mathematics 10	4
a Mathematics 11 or 12	4
Physical & Health Education 10	4
Career Life Education 10 (<i>formerly Planning 10</i>)	4
a Fine Arts and/or Applied Skills 10, 11 or 12	4
	<hr/>
	48 Credits

ELECTIVE CREDITS

Students must earn at least 28 elective credits. These credits can be for:

Additional Grade 10, 11 or 12 Ministry-Authorized Courses
External Credentials
Board/Authority Authorized Courses
Post-secondary credits, and/or
Independent Directed Studies

28 Credits

*Note: Some External Credentials serve as Required Courses

Career Life Connections

Students must earn 4 credits for Career Life Connections

4 credits

OVERALL TOTAL: 80 credits

Of the 80 credits needed for graduation, at least 16 credits must be at the Grade 12 level, including a Grade 12 Language Arts course and 12 other credits. These may be from required courses or elective credits.

PLANNING A THREE YEAR GRADUATION PROGRAM
GRADE 10, 11 & 12 GRADUATION POLICIES

- You require 80 credits minimum over three years (Grade 10, 11 & 12) to graduate.
- Career Life Connections is mandatory and must be completed before the end of Grade 12.

GRADE 10	GRADE 11	GRADE 12
1. <u>an English 10</u>	1. <u>an English 11</u>	1. <u>English Studies 12</u>
2. <u>Social Studies 10</u>	2. <u>a Social Studies 11 or 12</u>	2. _____ Gr. 12
3. <u>Science 10</u>	3. <u>a Science 11</u>	3. _____ Gr. 12
4. <u>a Math 10</u>	4. <u>a Math 11</u>	4. _____ Gr. 12
5. <u>PHE 10</u>	5. _____	5. _____
6. <u>Career Life Education</u>	6. _____	6. _____
7. _____	7. _____	7. _____
8. _____	8. _____	8. _____
		+ Career Life Connections

CHECKLIST FOR MEETING GRADUATION REQUIREMENTS
 I must have 80 credits to graduate
 (48 required course credits, 28 elective credits and 4 Career Life Connections Credits)

	<u>Credit Value</u>		<u>Credit Value</u>
• an English 10	(4)	• A Fine Arts or Applied Skills 10, 11 or 12	(4)
• an English 11	(4)	• Career Life Connections	(4)
• English Studies 12	(4)	• Elective _____ 12	(4)
• Social Studies 10	(4)	• Elective _____ 12	(4)
• a Social Studies 11 or 12	(4)	• Elective _____ 12	(4)
• Science 10	(4)	• Elective _____	(4)
• a Science 11	(4)	• Elective _____	(4)
• a Math 10	(4)	• Elective _____	(4)
• a Math 11 or 12	(4)	• Elective _____	(4)
• PHE 10	(4)	• Elective _____	(4)
• Career Life Education	(4)		

NOTES

ENVER CREEK SECONDARY SCHOOL

OUR MISSION

At Enver Creek Secondary School we provide opportunities for success and excellence as we prepare students to become confident, thoughtful and responsible members of the community.

