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Grade 9/Level 10 - Compulsory Credits

ENGLISH

English Language Arts 10F

1 Credit

The course is focused on providing students with the opportunity to develop specific strategies and skills to increase their ability, knowledge, and learning in the language arts. This is a foundational course designed for students to experience and produce 50% pragmatic material (created for the purpose of providing information/opinion) and 50% aesthetic material (created for literary enjoyment).

- a) Pragmatic material includes such forms as essays, editorials, news articles, documentaries, and reports.
- b) Aesthetic material includes such forms as novels, poems, short stories, films, drama, artwork, and photographs. Each sequence of study (thematically-based) allows for the active use of the six language arts strands – speaking, listening, reading, writing, viewing, and representing.

Reading is Thinking 10S

1 Credit

In this course students will work toward developing a better understanding of their strengths and challenges as readers and set goals for their own learning. The class will work together to learn and practice specific reading strategies. Students will collaborate with others to share what they are thinking and deepen their understanding of the importance of literacy in the world. Student will make their own choices and read widely to discover their identities as readers. Students will practice using the inquiry process to explore an issue that interests us.

MATHEMATICS

Mathematics 10F

1 Credit

Grade 9 Mathematics is a foundational course to prepare students for multiple pathways in Grades 10 to 12. The learning outcomes are divided into four strands: Numbers; Patterns and Relations; Shape and Space; Statistics and Probability. Within these strands are units of study including Square Roots and Surface Area, Powers and Exponent Laws, Rational Numbers, Linear Relations, Polynomials, Linear Equations, Similarity and Transformations, Circle Geometry, and Probability and Statistics. Students require an inexpensive geometry set and calculator. Students will, however, be encouraged to use mental math for a majority of the coursework. This course is a 2 semester course.

PHYSICAL & HEALTH EDUCATION

Physical & Health Education 10F

1 Credit

Physical Education 10F is an introduction to senior physical education courses. Team sports, introduction to individual sports, fitness training and improvement, and rules and history are covered. The main focus is on participation and the importance of physical activity as part of a healthy lifestyle.

Health 10F focus's is on the prevention of health problems by promoting physical, social, emotional and intellectual well-being. Units of study may include social-emotional well-being, physical well-being, nutrition, safety, community health, and family life.

SOCIAL SCIENCE

Canada in a Contemporary World (Social Studies) 10F

1 Credit

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Students focus on the opportunities and challenges at the core of Canada's contemporary plurality. The program goals are:

1. Explore concepts of identity, culture and community in relation to individuals, societies and nations.
2. Explore the dynamic relationships of people with the land, places and environments.
3. Explore how people, events and ideas of the past shape the present and influence the future.
4. Explore the global interdependence of people, communities, societies, nations and environments.
5. Explore the processes and structures of power and authority, and their implications for individuals, relationships, communities and nations.
6. Explore the distribution of resources and wealth in relation to individuals, communities and nations.

Units: Diversity and Pluralism in Canada, Democracy and Governance, Canada in the Global Context, Opportunities and Challenges.

****There is a final exam in this course****

SCIENCE

Science 10F

1 Credit

Essentially a continuation of the Grade 7 and 8 (Junior High) Pan Canadian Science Curriculum, Science 10F concentrates on four main clusters of study:

1. Atoms and Elements are the background focus of Chemistry in preparation for learning chemical properties, symbols, and formulas.
2. In the Astronomy portion, students will explore the universe using observational techniques and inquiring into space issues and technology.
3. Electricity offers an understanding of electrostatics and current electricity.

The Biology section outlines reproduction in organisms from the simplest single celled organisms to the complexities of human reproduction and genetics.

****There is a final exam in this course****

TECHNOLOGY EDUCATION

Graphic Communication Technology 10G

The goal of this course is to introduce students to the process of communicating graphically using technology and materials. They will gain experience working with various Adobe software applications in which they will explore their creative abilities and increase their creative confidence. This project-based course will challenge students with creative thinking and real-world problem-solving activities. Some areas of study include: Introduction to Graphics and Images, Introduction to CAD-CUT Vinyl, Introduction to Sublimation Printing, Introduction to Digital Photography and Desktop Publishing, Introduction to Laser Marking, Cutting and Engraving, Introduction to 3D printing, Introduction Print Layout and Design, Introduction to Digital Video and Audio.

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Grade 9/Level 10 - Optional Credits

ARTS EDUCATION**Concert Band 10S****1 Credit**

This course is designed for students who wish to continue their studies in instrumental music through performance in a concert band setting. Students will further develop their instrumental and ensemble skills through a variety of repertoire and studies. Students are expected to participate in school concerts, festivals and special performances.

Visual Art 10S**1 Credit**

This is an introductory course that focuses on ideas, expression, the tools artists use, and the process they go through in order to create their art. We focus on the decision-making process as artists, making choices based on the artistic principles. By producing their own works of art, students will experiment with a variety of art materials and techniques. Students will also be required to explain the artistic process in detail through interviews, self-evaluative forms, reflection and journaling. Students will be required to complete several projects through the course of the year as well as starting an art portfolio (a collection of carefully labeled student artwork) and journal that details student learning.

TECHNOLOGY EDUCATION**Woodwork Technology 10S****1 Credit**

Student will continue strengthening their skills and knowledge that they gained in grade 8. This is an advantage to students, but not required. This course focusses primarily on wood working, introducing such projects as Wooden Mallets, DIY Hand Saws, Foot Stools, Wood Bowls, Games and basic CNC router programming. Students will further their knowledge in measurement, planning, cutting and fastening. Safety training is essential for all equipment. There is also an introductory metals component including metal bending and MIG welding. Students, who strive to complete assigned work in a timely manner, will have the opportunity to do a project of their choosing.

FRENCH**French: Communication & Culture 10F****1 Credit**

The French program is designed to review/expand on skills acquired in the elementary French program. Classes are taught primarily in French and students are expected to use French to communicate in class as much as possible. A focus on balanced literacy ensures that listening and speaking are taught first, followed by reading and writing, while culture is continually infused into teaching. By the end of Grade 9, students should be able to speak with confidence in the simplest present, past and future tenses on a number of topics. They also should be able to read and understand simple texts on familiar subjects and use familiar structures to write simple sentences on these same topics.

SOCIAL SCIENCE**Food & Nutrition 10S****1 Credit**

This course is intended for students wishing to sample culinary arts. The emphasis is hands-on activities. Students are introduced to sanitation and safety, tools and equipment, knife handling and safety, and general preparation procedures for different types of food and beverage.

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Grade 10/Level 20 - Compulsory Credits

ENGLISH

English Language Arts 20F

1 Credit

The course is focused on providing students with the opportunity to develop specific strategies and skills to increase their ability, knowledge, and learning in the language arts. This is a Foundation course designed for students to experience and produce 50% pragmatic material (created for the purpose of providing information/opinion) and 50% aesthetic material (created for literary enjoyment). Pragmatic material includes such forms as essays, editorials, news articles, documentaries, and reports. Aesthetic material includes such forms as novels, poems, short stories, films, drama, artwork, and photographs. Each sequence of study (thematically-based) allows for the active use of the six language arts strands – speaking, listening, reading, writing, viewing, and representing.

MATHEMATICS

Minimum of one of the following is compulsory

Essentials Mathematics 20S

1 Credit

Grade 10 Essential Mathematics 20S is intended for students whose post-secondary planning does not include a focus on mathematics and science related fields. The main areas of study include Personal Finance (gross pay, deductions, income formulae), Measurement (metric and imperial conversions), 2-D Geometry (perimeter, area, volume), Trigonometry (Pythagorean theorem, sin, cos, tan), Consumer Decisions (pricing, currency exchange, sales), Transformations (coordinate geometry translations, rotations, reflections, and dilations), and Angle Construction (bisecting, parallel, perpendicular, pairings, and transversals). Students require an inexpensive geometry set and scientific calculator.

Intro to Applied and Pre-Calculus Mathematics 20S

1 Credit

Grade 10 Introduction to Applied and Pre-Calculus Mathematics 20S is intended for students considering post-secondary studies that require a math pre-requisite. The learning outcomes are divided into three strands: Measurement; Algebra and Number; Relations and Functions. Within these strands are units of study including Metric and Imperial Surface Area and Volumes, Trigonometry, Factors and Products of Polynomials, Roots and Powers, Graphing Relations and Functions, Linear Functions, and Systems of Linear Equations.

**A graphing calculator is required (TI-83 or higher) OR **APP on personal device.

PHYSICAL & HEALTH EDUCATION

Physical & Health Education 20F

1 Credit

Physical Education 20F builds upon the foundation developed in Physical Education 10F. More advanced movement patterns in team sports, as well as advanced skill development in individual sports, are emphasized. Students should also be able to show a marked improvement in personal fitness levels throughout the year, and to understand the principles responsible. Again, the main focus is on the importance of participation for a healthy lifestyle.

Health at the 20F level is part of the Physical Education 20F credit. An important goal of this course is to help the students take responsibility for their actions and their health. To achieve this, the students are involved in many group activities and discussions on topics of interest to them. Units of study may include Mental Health (especially body

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image), Contributing to Community, Responsibility to Self and Others, Responsible Sexual Behavior (with emphasis on abstinence), Transitions (Family life stages) and Technology Safety (CyberSafety).

SOCIAL SCIENCE

Geographic Issues of the 21st Century 20F

1 Credit

In Geographic Issues of the 21st Century, students focus on a variety of issues and challenges of the contemporary world. The program goals are:

1. Encourage students to develop a critical sense of wonder and curiosity about geography and technology, specifically maps, compass and GPS/GIS.
2. Promote problem solving using research and technology in the context of real-life situations.
3. Provide students with proficiencies that will serve them well in further education and in adult life.
4. In addition, this particular program will:
5. Provide a learning environment that promotes leadership and group problem solving while meeting the individual learning styles and developmental levels of the students.

Units: Geographic Literacy, Natural Resources, Food from the Land, Industry and Trade, Urban Places.

SCIENCE

Science 20F

1 Credit

This course offers students an insight into four major areas of science including biology, chemistry, physics, and weather dynamics. These four areas will prepare the student for future science related courses. Understanding the balance of nature, chemical reactions, speed and acceleration, and global weather patterns are a few of the topics that will be covered in this course. ****There is a final exam in this course. ****

CAREER DEVELOPMENT

Life Work Planning 20S

1 Credit

This course is designed to help students explore potential occupations and demonstrate employability skills, essential skills and specific occupational skills that will promote appropriate decisions for life, work and the essential post-secondary education / training that is required in today's economy. It will also help them discover what motivates and energizes them. By completing this course, they will be taking the first steps in planning their future and acquiring the tools and skills they need in order to enter college, university, or the workplace. In fact, this course's reason for being is to help students succeed and to allow them to learn as much as possible, as well as earn a credit toward their high school graduation

TECHNOLOGY EDUCATION

Graphic Communication Technology 20G

1 Credit

This course examines communications technology from a media perspective. This area of study is designed to allow students to work effectively with materials, applications, equipment, and technology in the Graphics field in order to communicate visually. This course offers hands-on experiences and problem solving on a daily basis. Evaluation will be based on individual and group assignments and projects. Some areas of study include: Advertising Print Design, CAD-CUT Vinyl Films and Heat Transfer, Sublimation Printing, Digital Photography and Desktop Publishing, Laser Marking, Cutting and Engraving, 3D printing, 2D Animation, Package Design and Marketing, Integrated Software Applications.

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Grade 10/Level 20 - Optional Credits

*Courses will be offered depending on student interest

ARTS EDUCATION

Concert Band 20G

1 Credit

These courses focus on furthering the development of skills learned in previous years. Students gain exposure to more challenging repertoire.

Drama 20S*

1 Credit

This is an engaging and challenging course that gives students opportunities to learn, grow, perform, and work with others in a safe and fun environment. Drama includes 4 main areas of learning:

Making--where students develop language and practices for making drama.

Creating--students generate and communicate their ideas for creating drama.

Connecting--students learn how drama connects to other areas including various times, places, and cultures.

Responding--students use critical reflection to inform drama learning and to develop agency and identity.

Guitar 20S

1 Credit

This course introduces basic guitar skills. Students will learn to play music in a variety of styles including pop, rock, blues, folk and classical. Previous guitar experience is an asset but not required. Students are expected to participate in concerts throughout the year. Classroom guitars are provided for use at the school. Students should have access to a guitar at home for practicing (preferably nylon string). There is a \$20 fee to cover string replacement throughout the year.

Visual Art 20S

1 Credit

This course focuses on ideas, expression, the tools artists use, and the process to go through in order to create your own art. We focus on the decision-making process as artists, making choices based on the artistic principles. By producing works of art, students will experiment with a variety of art materials and techniques. Students will also be required to explain the artistic process in detail through interviews, self-evaluative forms, reflection and journaling. Students will be required to complete several projects through the course of the year as well as starting an art portfolio (a collection of carefully labeled student artwork) and journal that details student learning.

COMPUTER

Computer Science*

1 Credit

Computer Science 20S is an introduction to the study of how computers work on the inside. Students will work hands-on and minds-on to develop knowledge, skills, and attitudes applicable to situations beyond computer science. A core component of this introductory course is learning problem solving and basic coding in Javascript, but topics also include computer architecture, binary language, file representations, computer security and ethics, and major historical developments in computer hardware. Students will leave this course with an understanding of how computers work, as well as why they work the way they do. Offered to Grade 10, 11, 12

**NO PROGRAMMING EXPERIENCE REQUIRED.

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FRENCH

French: Communication & Culture 20F

1 Credit

The Grade 10 French program is designed to review/expand on skills acquired in previous years of the French program. Classes are taught primarily in French, and students are expected to use French to communicate in class as much as possible. A focus on balanced literacy ensures that listening and speaking are taught first, followed by reading and writing, while culture is continually infused into teaching. By the end of Grade 10, students should be able to speak and write on familiar topics related to their lives and interests using a wider variety of tenses and a broader vocabulary. They should also be able to read and understand more complex text related to these ideas.

SOCIAL SCIENCE

Food & Nutrition 20S

1 Credit

This course is intended for students wishing to sample culinary arts. The emphasis is on hands-on activities. Students are introduced to sanitation and safety, tools and equipment, knife handling and safety, and general preparation procedures for different types of food and beverage.

TECHNOLOGY EDUCATION

Woodwork Technology 20S

1 Credit

Students will continue to build on the skills acquired in grade 10. This course seeks to develop a deeper understanding of project planning, wood joinery, and wood finishing, fastening and CNC design. Some of projects may include Serving Trays, Apple crates, end tables with CNC engraving and a project of the students choosing. Grade 10 will also give opportunity to do more metal work introducing cutting, fabrication, welding, and CNC plasma cutting. Some projects may include fire pit grills and metal signs.

Grade11/Level 30 - Compulsory Credits

ENGLISH LANGUAGE ARTS

Minimum of one of the following is compulsory

Comprehensive Focus 30S

1 Credit

The course is focused on providing students with the opportunity to develop specific strategies and skills to increase their ability, knowledge, and learning in the language arts. This course is designed for students to experience and produce 50% pragmatic material (created for the purpose of providing information/opinion) and 50% aesthetic material (created for literary enjoyment). Pragmatic material includes such forms as essays, editorials, news articles, documentaries, and reports. Aesthetic material includes such forms as novels, poems, short stories, films, drama, artwork, and photographs. Each sequence of study (thematically-based) allows for the active use of the six language arts strands – speaking, listening, reading, writing, viewing, and representing.

Literary Focus 30S (Creative Writing)

1 Credit

This course provides opportunities for students to refine their creative writing skills and abilities beyond those developed in the required ELA courses. This course encourages students to see creative writing as a unique way of thinking, and as a means of constructing and conveying meaning.

MATHEMATICS

Minimum of one of the following is compulsory

Essential Mathematics 30S

1 Credit

Grade 11 Essential Math is intended for students whose post-secondary planning does not include a focus on mathematics and science related fields. The course attempts to use the working world of business as its examples. The usefulness of this course will extend past the walls of the school and be used in the student's day-to-day life.

The materials that will be covered in the class throughout the year are; Interest and credit, 3D Geometry, Statistics, Money Management, Relations and Patterns, Trigonometry and Design Modeling. Students require an inexpensive geometry set and scientific calculator.

Applied Mathematics 30S

1 Credit

Applied Mathematics 30S prepares students for the increased use of technology in society. Every effort is made to ensure the relevance of this course through the use of practical, applied PROBLEM SOLVING techniques. In the Applied Mathematics curriculum, students gain and maintain essential skills in topic areas that are important in everyday life as well as in business and industry.

Topics include: Trigonometry, Properties of Angles and Triangles, Statistical Reasoning, Systems of Linear Inequalities, Quadratic Functions & Equations and Inductive, Deductive and Proportional Reasoning.

A graphing calculator is MANDATORY for this course. Students must have their OWN calculator available for use in each class.

**A graphing calculator is required (TI-83 or higher) OR **APP on personal device.

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Pre-Calculus Mathematics 30S

1 Credit

Pre-Calculus Math is a “pure” math course and is meant primarily for students who plan on taking Calculus (and related disciplines) when in post-secondary education. Pre-Calculus 30S build upon the previous foundations of abstract and theoretical situations considered in the Intro to Applied & Pre-Calculus 20S course.

Reasoning and logical thinking are required for a complete understanding of this course. This course develops good thinking and learning skills through the application of basic ideas to a variety of problems. Due to the challenging and demanding nature of Pre-Calculus 30S, students are expected to work hard and think for themselves.

PHYSICAL & HEALTH EDUCATION

Physical & Health Education 30F

1 Credit

This compulsory full-credit course is designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and to engage in active lifestyles into their futures. Students may study topics related to mental health, fitness management, substance use and abuse prevention, and the social impact of sport. The focus of this content will be on health and personal planning. These topics will make up the core component of the course content. Students will be required to develop and implement the remaining course in a personal physical activity plan as part of the physical activity practicum. Students will be introduced to safety and risk management planning to minimize the associated risks of the activities they have chosen. As well, specific sports training in Volleyball, Basketball, Hockey, Badminton and other sports will be pursued, including coaching strategies, training techniques, skill techniques, etc. ****A graphing calculator is required (TI-83 or higher) OR **APP on personal device.**

SOCIAL SCIENCE

History of Canada 30F

1 Credit

History of Canada 30F has been designed to help us in the examination of the historical development of Canada, with a focus on the social and political history. A further intent is to examine the way in which Canada’s history has developed and is developing within an international context. The program goals are to:

1. Encourage students to develop a critical sense of wonder and curiosity about history.
2. Promote problem solving in the context of real-life situations.
3. Provide students with proficiencies that will serve them well in further education and in adult life.

In addition, this particular program will:

4. Provide a learning environment that promotes leadership and group problem solving while meeting the individual learning styles and developmental levels of the students.

****There is a final exam in this course**

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Grade 12/Level 40 - Compulsory Credits

ENGLISH COURSES

Minimum of one of the following is compulsory

English Language Arts – Comprehensive Focus 40S**1 Credit**

Students will be encouraged to develop a critical sense of wonder and curiosity about the parts of language and their application. This program will promote problem solving in the context of real-life situations and provide students with language proficiencies that will serve them well in further education and in adult life.

In addition, this course will provide a learning environment that promotes leadership and group problem solving while meeting the individual learning styles and developmental levels of the students in the realms of reading, writing, listening, speaking, viewing and representing.

The Comprehensive Focus addresses a variety of informal and formal discourse, ranging from oral discussions, free-writing, letters, journals to reports, formal presentations, documentaries, short and book-length fiction, and poetry. These texts fall along the continuum of pragmatic, expressive, and aesthetic language uses. ****There is a final Provincial exam in this course****

English Language Arts – Language & Literary Forms 40S**1 Credit**

This course enables students to become competent and confident users of all six language arts through opportunities to listen, speak, read, write, view, and represent in a variety of combinations and through a wide range of relevant texts including short stories, novels, poetry, songs, drama, and film study.

Learning outcomes involve the knowledge, skills, strategies, and attitudes students demonstrate emphasizing expressive purposes and texts. Texts read and produced are approximately 70 percent expressive and 30 percent practical in purpose. ****There is a final Provincial exam in this course****

English Language Arts – Transactional Focus 40S**1 Credit**

This course enables students to become competent and confident users of all six language arts through opportunities to listen, speak, read, write, view and represent in a variety of combinations through a range of relevant texts.

In the transactional focus students develop and refine a range of knowledge, skills and strategies to help them function effectively in their post high school lives. This course emphasizes the practical uses of language: language that informs, directs, persuades, analyzes, argues, and explains. Assignments include essays, letters, reports, editorials, reviews, questionnaires, and interviews. ****There is a final Provincial exam in this course****

MATHEMATICS COURSES

Minimum of one of the following is compulsory

Essential Mathematics 40S**1 Credit**

This course gives students an understanding of how mathematical concepts affect our daily life, business, industry, and government. Units covered include vehicle finance, home finance, business finance, statistics, precision measurement, career life, geometry and trigonometry, and probability. Students will develop the ability to make reasoned decisions and to support those decisions mathematically. This course, like Essential 30S, is intended for students whose post-

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secondary planning does not include a focus on mathematics and science related fields. **There is a final Provincial exam in this course**

Applied Mathematics 40S

1 Credit

Applied Mathematics 40S prepares students for the increased use of technology in society. Every effort is made to ensure the relevance of this course through the use of practical, applied PROBLEM SOLVING techniques. In the Applied Mathematics curriculum, students gain and maintain essential skills in topic areas that are important in everyday life as well as in business and industry. A graphing calculator is required (TI-83 or higher) OR **APP on personal device.

Topics include: Design & Measurement, Matrix Modelling, Vectors, Applications of Periodic Functions, Probability, Personal Finance, Sequences, and Variability & Statistical Analysis.

There is a final Provincial exam in this course

Pre-Calculus Mathematics 40S

1 Credit

Pre-Calculus Math is a “pure” math course and is meant primarily for students who plan on taking Calculus (and related disciplines) when in post-secondary education. Pre-Calculus 40S build upon the previous foundations of abstract and theoretical situations considered in prior Pre-Calculus courses.

Reasoning and logical thinking are required for a complete understanding of this course. This course develops good thinking and learning skills through the application of basic ideas to a variety of problems. Due to the challenging and demanding nature of Pre-Calculus 40S, students are expected to work hard and think for themselves.

Topics include: Circular Functions, Exponents & Logarithms, Transformations, Trigonometric Identities, and Permutations Combinations & Binomial Theorem. *A graphing calculator is required (TI-83 or higher) OR **APP on personal device.

There is a final Provincial exam in this course

PHYSICAL & HEALTH EDUCATION

Physical & Health Education 40F

1 Credit

This compulsory full-credit course is designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and to engage in active lifestyles into their futures. Students may study topics related to social/emotional health, fitness management, nutrition, sexual health, and personal development. The focus of this content will be on health and personal planning. These topics will make up the core component of the course content. Students will be required to develop and implement a personal physical activity plan as part of a physical activity practicum. Students will be introduced to risk management planning to minimize the associated risks of the activities they have chosen. As well, specific sports training in Volleyball, Basketball, Hockey, Badminton and other sports will be pursued, including coaching strategies, training techniques, skill techniques, etc.

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Grade 11 and 12/Level 30 and 40 - Optional Credits

Courses will be offered depending on student interest and courses with an “*” are offered biennially (every other school year)

APPLIED COMMUNICATION EDUCATION

Accounting Essentials/Systems 30/40S

1 Credit

This course continues expanding on the principles learned in Accounting Principles 30S. In addition to recording financial information and analyzing financial statements, students will develop a more in depth understanding of accounts payable and receivable journals, cash receipts and payments journals, and learn how to account for inventory in a merchandising business. Students will expand their knowledge of Sage 50 accounting software and Microsoft Excel

Business Management 40S

1 Credit

Business Management focuses on developing skills in planning, leading, organizing, controlling, and staffing. Students will study various management styles and participate in activities related to human resources, inventory, finance, and project management. This course is designed for students interested in furthering their knowledge of management strategies used in various settings and furthering their knowledge of business ownership.

ARTS EDUCATION

Concert Band 40S

1 Credit

These courses focus on furthering the development of skills learned in previous years. Students gain exposure to more challenging repertoire.

Drama 40S*

1 Credit

This is an engaging and challenging course that gives students opportunities to learn, grow, perform, and work with others in a safe and fun environment. Drama includes 4 main areas of learning:

Making--where students develop language and practices for making drama.

Creating--students generate and communicate their ideas for creating drama.

Connecting--students learn how drama connects to other areas including various times, places, and cultures.

Responding--students use critical reflection to inform drama learning and to develop agency and identity.

Guitar 40S

1 Credit

These courses focus on furthering the development of skills learned in previous years. Students will gain exposure to more complicated repertoire. Students should have taken Guitar 20G and Guitar 30S before taking Guitar 30S and Guitar 40S respectively. A student wanting to take these classes without the prerequisites may be admitted into the course at the discretion of the teacher. Space may be limited. Classroom guitars are provided for use at the school. Students should have access to a guitar at home for practicing (preferably nylon string).

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Visual Art 40S

1 Credit

This course is about ideas, expression, the tools artists use and the process they go through in order to create their art. Vital to a student's learning is their preliminary work, the process that leads to and solidifies a student's artistic decisions. By producing their own works of art, students will experiment with a variety of art materials and techniques. Students will study the fundamentals of design in more depth than in previous years. Drawing and painting will be the core area of emphasis although students will be able to explore other art forms on an individual basis. Students will also be required to explain the artistic process in detail through interviews, self-evaluative forms, reflection, and journaling. Students will be required to complete several projects throughout the course of the year as well as keeping an up to date art portfolio (a collection of carefully labeled student artwork) and journal that details student learning.

COMPUTER

Computer Science 30S

1 Credit

Computer Science 30S builds directly on students' understanding of computer hardware and programming. Students will greatly expand their hands-on coding with Javascript, as well as delving into direct computer programming language (such as Java or C++). Through these, they will continue to develop their problem-solving skills more independently. In addition to that, students will have the chance to learn about the development of computer software, operating systems, and new programming concepts such as arrays and sorting algorithms. Offered to Grade 11, 12.

ENGLISH LANGUAGE ARTS

Creative Writing 30/40S (Transactional/Comprehensive)

1 Credit

This course provides opportunities for students with to refine their creative writing skills and abilities beyond those developed in the required ELA courses. This course encourages students to see creative writing as a unique way of thinking, and as a means of constructing and conveying meaning.

FRENCH

French: Communication & Culture

1 Credit

The Senior French program is designed to review/expand on skills acquired in previous years of the French program and to emphasize an increased focus on both communication and culture as integral parts of the French program. Classes are taught wholly in French, and students are expected to use French as their primary language of communication. A focus on balanced literacy ensures that listening and speaking skills are taught first, followed by reading and writing, while culture is continually infused into teaching. By the end of the course, students should be able to use a wide variety of tenses and a broad vocabulary to speak and write with increasing spontaneity and confidence on familiar topics of interest. They should also be able to read a novel, write a formal essay on a topic related to their novel study, and deliver presentations and lessons to classmates on topics of their choosing.

SCIENCE

Biology 30/40S

1 Credit

Biology 30S is a course in human anatomy and physiology, focused around the key themes of wellness and homeostasis. Students will explore the functions of the human body, starting with the cells and then going through each of the major organ systems: cardiovascular, digestive, immune, nervous, and endocrine. In addition to learning about each system's functions, students will learn how the systems work together in a variety of ways in order to help

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the body survive. Research projects let students dive into topics of interest, while lab activities help to visualize body structures and processes, including one optional organ dissection. The reproductive system is not studied in this course, as it was studied in detail in Science 10F.

Biology 40S is a course in understanding life, focused around the key themes of genetics and biodiversity. Students will study inheritance and DNA, and learn about how each organism can trace its characteristics back through generations. These set the stage for understanding the theory of evolution, the most important discovery ever made in biology, and apply this model to understanding primate evolution. Students will look back on the history of Earth and learn about some of the major developments and catastrophes, including the origin of life and mass extinctions. The course finishes with a tour of the tree of life, from bacteria all the way up to mammals. Research projects let students explore topics of interest, and classroom discussions allow students to grapple with ethical issues, such as genetic engineering. Students may also take part in optional specimen dissections.

Chemistry 30/40S

1 Credit

The course studies bio-diversity investigating genetics, microbiology, plant diversity, animal diversity and ecology. In addition to course work and research, Biology 40S also has a laboratory component that includes comparative physiology and dissection. It should be noted that actually dissecting is not required, as long as the student observes and assists. Upon completing the course, students will be prepared to study biology at the University level.

Physics 30/40S

1 Credit

This course encourages students to use scientific and technology-related knowledge to understand and interpret their environment. Students will develop their mathematical, and analytical skills and demonstrate the application of the scientific method through hands-on experiments. The Grade 12 students will deepen their understanding of the concepts and theories explored previously in Grade 11 Physics (30S). Students will further develop skills in the areas of experimentation, research, critical thinking, and analysis.

SOCIAL SCIENCES

Canadian Law 40S*

1 Credit

The Grade 12 Canadian Law curriculum presents students with the major components of Canadian law, beginning with the foundations of law, followed by the Canadian Charter of Rights and Freedoms, criminal law, civil law, and family law. The course also gives students the opportunity to explore a topic of their choice through inquiry of one of the following: international law, human rights law, youth and the law, labour law, or environmental law.

Current Topics in First Nations, Metis & Inuit Studies 40S*

1 Credit

Current Topics in First Nations, Métis, and Inuit Studies is an engaging course that examines the importance of Indigenous realities within contemporary and historic Canadian and global settings. It will provide both Indigenous and Non-Indigenous students an opportunity to become knowledgeable about the cultures and traditions, worldviews, histories, and accomplishments of Indigenous peoples. This course is constructed around five thematic clusters including: image and identity, relations with government, social justice issues, indigenous peoples and the world, and celebrations of learning.

Family Studies 40S*

1 Credit

Family Studies emphasizes the transition from adolescence to adulthood with the ability to examine and practice skills that help develop healthy interpersonal relationships. The skills and knowledge will provide the opportunity for

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students to make informed and responsible life management choices now and in the future. Career Pathways Career pathways in family studies include social science and humanities areas such as early childhood education, child and adolescent development, teaching/education, public policy and law, aging, financial planning, social work, counselling, psychology, public health, advocacy and non-profit work, and family life and parenting.

Food & Nutrition 30/40S

1 Credit

This course is intended for students wishing to sample culinary arts. The emphasis is on hands-on activities. Students are introduced to sanitation and safety, tools and equipment, knife handling and safety, and general preparation procedures for different types of food and beverage.

Geography: World Human 40S*

1 Credit

World Human Geography deals with locations, patterns, distribution, and interrelationships between the physical and human environments with an international focus. We will talk about issues facing today's world, including world population, global food supply, resource and energy development, industry and urbanization, and global interdependence. Students will become familiar with regions of the world, and how climate and weather impact lifestyle and culture. We'll explore the world's natural resources and how that has led to industries in nations. Nations all depend on each other for access to resources they don't have, so the concept of connectedness is a theme that will run throughout the whole course.

Global Issues: Citizenship & Sustainability 40S*

1 Credit

Global Issues is an opportunity to reflect on diverse world views and perspectives as students conduct self-guided inquiry into issues that are crucial to living in a connected, interdependent world. Students will not only increase their awareness of significant global issues, but also develop an ethos of concern as they develop their own capacities as contributing members of their communities. Students will learn a variety of ways to approach a complex issue, and then they will choose their own topics to do so. This course also includes a "Take Action" component, where students develop and carry out their own action project to address an issue important to them. Areas of inquiry that students can choose from are: Media; Consumerism; Environment; Poverty, Wealth, & Power; Oppression & Genocide; Health & Biotechnology; Gender Politics; Social Justice & Human Rights; Indigenous Peoples; Peace & Conflict.

Psychology 40S*

1 Credit

This course will focus on a variety of major concepts and theories in psychology. Topics include an introduction to psychology and psychology research methods, understanding human development and behaviour, learning and thinking, perception, emotions and motives, personality traits, conflicts and adjustments, and social behaviour. Students will be encouraged to participate in labs to apply psychological concepts to their own lives in order to broaden self-awareness

Western Civilization 40S*

1 Credit

This curriculum is designed to help students understand that Canadian society and other Western societies evolved and were shaped by complex movements and events. The course includes the following six units – An Introduction to Western Civilization, Pre-Modern Western Civilization, The Renaissance, Reformation and Absolutism versus Representative Government, The Age of Reason, and the Political, Agricultural, and Industrial Revolutions, Major Movements and Events of the Nineteenth Century and The Twentieth Century.

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The Western Civilization curriculum is organized around the following six major concepts: religion, ideology, humanism, individualism, secularism, and skepticism.

TECHNOLOGY EDUCATION

Drafting Design Technology 1/2 *

1 Credit

Design Drafting Essentials I 20S and Design Drafting Essentials II 30S have been redesigned as a pair of courses to teach students the essential knowledge and skills in architectural and mechanical drafting. Teachers have the flexibility to focus on one or both of these topics in each course. However, by the end of both courses, students need to have had significant exposure to both architectural and mechanical drafting in order to be prepared to successfully complete the remaining courses in this cluster. (not on course selection form, will be offered depending on student selection)

Graphic Communication Technology 30/40S

1 Credit

(30) This course enables students to further develop their skills from previous introductory courses. It deals with the blending of technology and processes used in the graphics program and stresses the importance of all forms of graphic communication. It builds on the skills developed in grade 9 and 10 and allows students the flexibility to exercise time management, quality control and teamwork. Focus will be in the area of Digital Graphics. Students will develop skills in: Digital Graphic Design, Packaging Design, Advertising Graphics, Motion Graphics Animation, Information Design, and Interactive Media.

(40) In the final year of Graphic Communications, technology students will continue to develop skills at an advanced level in the areas of graphic design and print communications. Focus will be in the area of Promotional Graphics. Students will develop skills in: Advertising Design, Visual Communication, Brand Identity Design, Promotional Print Media, and Promotional Digital Media. Students will develop a Graphic Design Portfolio in preparation for industry or post-secondary education.

Metal Work 30/40S

1 Credit

Students have the opportunity to choose project of their own using various processes and materials. Students will be expected to show leadership and be mentors to those in the lower grades.

Woodwork Technology 30/40S

1 Credit

Senior students have the opportunity to choose project of their own using various processes and materials. Students will be expected to show leadership and be mentors to those in the lower grades.

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Extra Optional Courses

These courses are offered to the indicated grade level and are outside of the timetable.

Career Development Internship 30/40S 1 Credit

The Career Development Internship (CDI) credit provides students with the opportunity to earn up to 2.0 high school credit(s) for an unpaid internship. The CDI credit option is intended to recognize and encourage the skills development and experience students acquire through internships.

Credit for Employment 30/40S 1 Credit

Students can gain valuable skills development and experience through on-the-job work experience, the Credit for Employment (CFE) credit is available to provide students with the opportunity to earn up to 2.0 high school credits for paid employment. CFE can enrich students' understanding of the relevance of education and the importance of developing career readiness. The CFE offers students who are a minimum of 16 years of age the opportunity to earn a high school credit in the context of responsible work in an authentic paid work environment where they can develop essential and employability skills and apply health and safety awareness to the workplace

Community Service Student-Initiated Project 1 Credit

Students can contribute by volunteering for worthwhile causes or organizations. The civic skills, knowledge and attitudes obtained from such community service activity can increase a student's self-esteem, maturity, and provide awareness of the needs of others in the community. A credit may be available to a student who participates in such activity in the senior years for graduation purposes and does not require departmental registration. The process for obtaining the credit is similar to the one used for the Private Music Option where students provide evidence by presenting a written documentation for the activity in which the students participate outside the school system.

Cultural Exploration Student Initiated Project 30/40S 1 Credit

Students can gain valuable educational experience by enhancing their knowledge of their own cultural origins or a cultural group that interests them through interaction with community members such as elders and members of cultural organizations. The skills, knowledge and attitudes obtained from such activities can increase a student's self-esteem and maturity, strengthen cultural identity and/or provide greater intercultural understanding and an appreciation of cultural diversity. This credit is available for the senior years as a credit for graduation purposes and does not require departmental registration. The process for obtaining the credit is similar to one used for the Community Service SIP or the Private Music Option where students provide evidence of music standing by presenting written documentation for activity outside of the school system.

Jazz Band 10-40S 0.5 Credit

Jazz Band is offered to Grade 9-12 students. It is recommended that students taking Jazz Band should also be enrolled in Band 10G, 20G, 30S, or 40S. Students who are not in regular band and want to enroll in one of these courses may take Jazz Band at the discretion of the teacher. The course will focus on the development of jazz skills through performing ensemble works in a variety of styles. Students are expected to participate in all concerts throughout the year.

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Life/Work Transition 30-40S

1 Credit

Students focus on building career knowledge and skills, while preparing for life and career transitions. Students focus on building a solid foundation to grow and change throughout their lives. Students build their knowledge, skills, and qualities to establish a career foundation, explore specific post-graduation options (including a post-graduate plan of short and long-term goals, refine their knowledge and skills while exploring ways to improve and market their employability attributes, explore career information and the world of work, including labour market information, workplace safety and health, and employer and employee responsibilities and may be exposed to meaningful integrated career-related placement(s) and career mentors.

High School Apprenticeship Program 30/40S

1 Credit/110Hours

The High School Apprenticeship Program (HSAP) is all about on-the-job experience with an employer. HSAP provides practical, paid, work experience and credit towards your high school diploma. The purpose of HSAP is to provide an opportunity for early entry in the trades and to build interest, skills, positive attitudes and abilities. Students are then able to transfer their hours of HSAP on-the-job training after graduation to a Level one apprenticeship training program

Textile Arts and Design

1 Credit

Textile arts and design courses create awareness of the role that textiles play in our daily lives. The textile arts and design learning outcomes develop skills, knowledge, and understanding as students participate in learning activities that allow them to express themselves through designing, producing, and evaluating finished textile projects.