

GRADE 9 COMPULSORY COURSES

SOCIAL STUDIES 10F - (1 CREDIT)

In this class, students will learn about Canada's identity, government, and role in the world, while also honing their reading, writing, listening, speaking, viewing, and representing skills.

ENGLISH LANGUAGE ARTS – (1 CREDIT)

The Language Arts Program has been designed to develop the effective use of the English language. Communication consists of six closely related areas, all of which are emphasized in the course: reading, listening, writing, speaking, viewing and representing. Language is studied through a variety of forms, such as short stories, poetry, novels, drama, and a variety of non-fictional materials.

MATHEMATICS 10F (1 CREDIT)

The Grade 9 Mathematics curriculum is comprised of the following strands:

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|---------------------|--------------------|
| 1. Number Sense | 5. Powers |
| 2. Statistics | 6. Circle Geometry |
| 3. Linear Relations | 7. Algebra |
| 4. Space and Shape | 8. Symmetry |

Students are required to have a scientific calculator and a geometry set for this course.

PHYSICAL EDUCATION/HEALTH 10F (1 CREDIT)

Grade 9 Physical Education covers two focus areas: Physical Education and Health Education. The emphasis of this course is to provide students with experiences that will guide them to make healthy lifestyle choices. In providing these opportunities, students will cover course material from the following areas:

1. Movement – students will develop skills that are commonly used in team and individual sports, as well as gain an understanding of why we do skills certain ways.
2. Fitness Management – students will gain knowledge with regard to the importance of being physically fit. They will also learn about a variety of training practices, for example, cardiovascular and strength training. Students will begin to plan self-fitness programs and execute them.
3. Safety – students will focus on safety during sport, importance of proper body use, body temperature, weather, proper clothing, CPR and promotion of fair play.

4. Personal and Social Management – students will work on a variety of activities such as goal setting, stress management, healthy relationships, behavior management, and career studies.
5. Healthy Lifestyle Practices – students will cover topics such as drug and alcohol awareness and human sexuality.

SCIENCE 10F (1 CREDIT)

Selected topics are taken from four major areas of Science arranged in clusters.

- Cluster 1: Reproduction
- Cluster 2: Atoms and Elements
- Cluster 3: The Nature of Electricity
- Cluster 4: Exploring the Universe

A common theme, known as cluster 0, emphasizes: scientific inquiry skills, current issues in science, societal decision-making, and laboratory skills.

Text: Sciencepower 9

GRADE 9 OPTIONS

BUSINESS INNOVATIONS 10S (1 CREDIT)

Business Innovations provides students with an opportunity to examine how business relates to their personal lives, as well as their current and future education and work. Students will explore business-related topics such as economics, entrepreneurship, marketing, and finance. This course emphasizes the development of skills that are important in the business world such as organization, communication, problem solving, and use of technology.

CAREER DEVELOPMENT – LIFE WORK EXPLORATION 10S (1 CREDIT)

The purpose of this curriculum is to provide students with an opportunity to reflect on life and work exploration. Students will explore personal values and attitudes, interests, and skills related to employability. They will reflect on goals and plan for future employment including job exploration and preparation. **This course can only be taken with Concert Band 10S or Concert Choir 10S.**

The content of this course includes:

Unit 1: Personal Management
Unit 2: Career Exploration
Unit 3: Learning and Planning
Unit 4: Job Seeking and Job Maintenance
Final Project: Career Portfolio

COMPUTER ESSENTIALS FOR HIGH SCHOOL (ACT 115F/215F) (1 CREDIT)

This course will provide students with a solid base of knowledge for using technology in high school to maximize their time and potential for success. This course will focus on:

1. Organization and information management.
2. Microsoft Office - Learn more advanced features of Word, Excel, and PowerPoint to help you complete assignments and presentations.
3. Finding and using relevant, credible information on the internet for research projects.
4. Multimedia - Learn how to combine audio, graphics, pictures, video, and text to complete projects for school or for your own enjoyment.
5. Office 365 - Learn to work in the cloud and to collaborate with others to complete group projects.
6. Additional web-based or computer-based software that will allow you to complete assignments, and stay abreast of current technology.

CONCERT BAND 10S (1 CREDIT)

The Grade 9 Band program is open to any student who has completed at least two years of instruction on a Concert Band instrument (ie: Brass, Woodwind, or Percussion). Students with less than two years of instruction may join with the permission of the instructor. As well as regular Concert Band material, emphasis will be placed on Jazz Improvisation skills for students interested in the Jazz Band program. All forms of music will be played in class and at performances. Students will have the opportunity to perform in small ensembles (ie: trios, quartets, etc.). Basic theory skills will also be included.

Students participating in the Band program will be expected to perform at various concerts, festivals, and school functions during the year; failure to attend may result in withdrawal from the course.

CONCERT CHOIR 10S (1 CREDIT)

Concert Choral 10S is designed for students who have a strong interest in music and ensemble singing. Students will sing a variety of music from many cultures and traditions including Jazz, Classical and World music. Students will expand their understanding of reading music, music theory and history. Students will be required to perform at concerts and festivals throughout the school year; failure to attend will result in withdrawal from the course.

DRAMA 10S (1 CREDIT)

This entry-level course focuses on the introduction and development of dramatic skills. The course objectives aim to encourage creativity, to develop concentration and problem-solving skills, to build upon existing vocal and physical skills and to develop an awareness of structure and process in drama. Both individual and group work is stressed.

FAMILY STUDIES 10S (1 CREDIT)

Grade 9 Family Studies explores adolescent development from the perspective of the adolescent student. Adolescents are faced with some tough choices and the family studies program provides the opportunity to examine issues in a realistic and meaningful way. Students learn about:

1. Human development
2. Relationships and influences
3. Health and wellness
4. Family diversity

FRENCH: COMMUNICATION & CULTURE 10F (1 CREDIT)

Why study a second language? There are three good reasons. A second language...

1. Helps you to get beyond your linguistic ethnocentrism -- the belief that your language is superior to all others.
2. Gives you an important key to understanding how another culture operates, how its speakers think and form their ideas into words.
3. Gives you a new language with which to make friends, to enjoy songs, plays, and poetry; to watch television, to listen to the radio, to travel to different places; and, of course to read, write, study, and earn money. Although the last reason is the one most often cited, all three are important and are central to the study of French.

Grammatical topics and vocabulary will be studied as they are necessary for the themes studied. By the end of the year students will have been exposed to many themes such as decorating a bedroom, jobs for youth, Canadian trivia, childhood memories and popular movies. Culture is an integral part of the course, therefore, viewing popular films in French, creating skits based on them and playing interactive communicative games will occur throughout the year. Authentic documents taken from French language sources are designed to evoke an awareness and sensitivity to the French language and to those who speak it. A field trip to Le Festival du Voyageur is planned in February. A trip to Quebec City and Montreal will be considered depending on interest.

Vive le français!

HUMAN ECOLOGY 10S: TEXTILE ARTS & DESIGN / FOOD & NUTRITION (1 CREDIT)

A. Textile Arts & Design

Grade 9 Textile Arts and Design explores the basic knowledge and skills required to design and create textile products. Students will explore the impact that fashion has on consumer choices and its influence on relationships. Students will make at least two projects over the course of the term to learn the basics of sewing construction.

B. Food & Nutrition

This course focuses on the individual and the relationships and influences that affect food choices. Students will examine the fundamentals of nutrition and learn how to apply the information to their lives. The course provides opportunities for students to develop safe food handling and food preparation skills in a practical setting.

DRAFTING DESIGN/ELECTRICITY ELECTRONICS TECHNOLOGY 15G (1 CREDIT)

A. Introductory Drafting Design 15G (0.5 Credit)

“Learning Today for Tomorrow”

This course will provide an opportunity for students to develop drafting skills in a practical activity-based approach. Drafting projects will be incorporated, allowing the students hands-on experiences in the different stages as they develop the necessary theoretical background in order to design and construct various projects in the respective fields. Manual drafting, AutoCAD, Solid Works, 3-D printing and residential computer design programs will be incorporated in the drafting program. Students will have the opportunity to design and construct a CO² car. A wind tunnel will be used to test the aerodynamics of their car design prior to race day. Cars will reach speeds in excess of 120 kph as we determine who has the fastest car on race day. Safety and developing good work habits will be a key component, as emphasized in any workplace.

Text: AutoCAD Lt. Modules, Drafting Modules, Exploring Drafting Text

B. Introductory Electricity Electronics Technology 15G (0.5 Credit)

This course will provide an opportunity for students to develop electronic skills in a practical activity-based approach. Electronic projects will be incorporated, allowing the students hands-on experiences in the different stages as they develop the necessary theoretical background in order to design and construct various projects in the respective fields. The electronics program will include “Mr. Circuits 1” (Discover Electronics) activity kits and computer simulation activities that will enhance the practical portion of the course. Safety and developing good work habits will be a key component, as emphasized in any workplace.

Text: Electricity & Electronics Technology

Software Programs: Mr. Circuits 1 Discover Electronics 30-in-1 Activity Kit
Mr. Circuits 1 Discover Electronics Computer Simulation Program

INTRODUCTORY METALWORK/WOODWORK TECHNOLOGY 15G (1 CREDIT)

A. Introductory Metalwork Technology 15G (0.5 Credit)

This course is designed to introduce and familiarize students with shop safety practices, product planning and the proper use of measuring instruments. Through the project approach students will become familiar with the basics in acetylene and electric arc welding. Students will also develop basic skills in both sheet and bench metals.

The student will be required to complete compulsory projects.

Text: Walker, John R., Exploring Metalworking - Fundamentals of Technology

B. Introductory Woodwork Technology 15G (0.5 Credit)

This course is an activity-based course that will allow students the opportunity to develop measurement and drafting skills along with basic woodworking procedures. Students will experience an introduction to the correct and safe use of both hand woodworking tools and power woodworking equipment. Hands-on projects will develop drafting, design, and woodworking skills.

Students will be required to complete compulsory projects. Optional projects will be at the discretion of the instructor.

VISUAL ARTS 10S (1 CREDIT)

Students will learn about art by developing visual awareness, art production skills, and art appreciation. Through the use of a variety of materials and processes, students will explore the elements and principles of design, and learn about art from different cultures and time periods. Students will be encouraged to develop visual creativity while exploring themes related to themselves, their community and their world. Students will work with drawing materials, paint, clay, sculpture, and printmaking materials.