

## GRADE 9 PROGRAM REQUIREMENTS AT ADAM SCOTT

Students must take the following **SIX COMPULSORY COURSES**:

- ✓ English
- ✓ French
- ✓ Mathematics
- ✓ Science
- ✓ Canadian Geography
- ✓ Healthy Active Living

Students must choose **TWO OPTIONAL (ELECTIVE) COURSES** from the following:

- ✓ Introduction to Information Technology in Business (Computers)
- ✓ Individual, Family And Social Living
- ✓ Integrated Technologies (Tech.)
- ✓ Music
- ✓ Visual Arts

\*note: Students coming into grade 9 who have been exempt from French in elementary school may take the Learning Strategies course in place of the French course upon recommendation of their grade 8 teachers. Substitution of the compulsory French credit will occur when an appropriate compulsory credit has been achieved.

## GRADE 10 PROGRAM REQUIREMENTS AT ADAM SCOTT

Students must take the following **FIVE COMPULSORY COURSES**:

- ✓ English
- ✓ Mathematics
- ✓ Science
- ✓ Canadian History
- ✓ Civics and Career Studies

Students must choose **THREE OPTIONAL (ELECTIVE) COURSES** from the following:

- ✓ Dramatic Arts
- ✓ Music - Instrumental
- ✓ Music - Guitar
- ✓ Crafts
- ✓ Visual Arts
- ✓ Introduction to Business
- ✓ German
- ✓ French
- ✓ Healthy Active Living
- ✓ Food and Nutrition
- ✓ Communications Technology
- ✓ Computer and Information Science
- ✓ Computer Engineering Technology
- ✓ Construction Technology
- ✓ Transportation Technology
- ✓ Transportation Technology (Small Engines)

## GRADE 11 PROGRAM REQUIREMENTS AT ADAM SCOTT

Students must take the following **TWO COMPULSORY COURSES**:

- ✓ English
- ✓ Mathematics

All other selections involve individual choice. Please keep in mind that to meet compulsory requirements, **IN ADDITION TO THE SUBJECTS LISTED AS “MUST TAKE”, THERE ARE CHOICES FOR:**

- ✓ 1 credit in the arts
- ✓ 1 additional credit in English, or a French as a second language, or a Native language, or a classical or an international language, or social sciences and the humanities, or Canadian and world studies, or guidance and career ed., or cooperative education {Group 1}
- ✓ 1 additional credit in health and physical education, or the arts, or business studies, or cooperative education {Group 2}
- ✓ 1 additional credit in science or technological education, or cooperative education {Group 3}

## GRADE 12 PROGRAM REQUIREMENTS AT ADAM SCOTT

Students will take the ✓ last Compulsory English and ✓ any other compulsory subjects that have not yet been obtained. Students are required to take at least three subjects each semester unless special permission is obtained.

## Courses Offered at Adam Scott

### Grade 9 Courses Offered at Adam Scott C.V.I.

The following tables list all of the courses offered in Grade 9 at Adam Scott. Offerings are dependent on sufficient numbers of students selecting a given course and may include combination with another class in the same subject area. Also, please be advised that some courses may include a fee for consumable materials, use of facilities, workbooks, etc.. Wherever possible, we will include this information with the course descriptions. A brief description of each course is included at the end of the table.

<i><b>The Arts</b></i>	
Music, Open	<b>AMU 101</b>
Visual Arts, Open	<b>AVI 101</b>
<i><b>Business Studies</b></i>	
Introduction to Information Technology in Business, Open	<b>BTT 101</b>
<i><b>Canadian and World Studies</b></i>	
Geography of Canada, Academic	<b>CGC 1D1</b>
Geography of Canada, Applied	<b>CGC 1P1</b>
Geography of Canada, Academic (French Immersion)	<b>CGC 1DF</b>
<i><b>English</b></i>	
English, Academic	<b>ENG 1D1</b>
English, Applied	<b>ENG 1P1</b>
English, Locally Developed (Essential/Transition)	<b>ENG 1L1</b>
<i><b>French As a Second Language</b></i>	
Core French, Academic	<b>FSF 1D1</b>
Core French, Applied	<b>FSF 1P1</b>
French Immersion, Academic	<b>FIF 1DF</b>
<i><b>Guidance and Career Education</b></i>	
Learning Strategies 1: Skills for Success in Secondary School, Open (usually for identified students who are exempt from French and arranged through Special Education)	<b>GLE 101</b>
<i><b>Health and Physical Education</b></i>	
Healthy Active Living Education, Open	<b>PPL 10G female PPL 10B male PPL 10F coed</b>
Healthy Active Living Education, Open (French Immersion)	

<i>Mathematics</i>	
Principles of Mathematics, Academic	<b>MPM 1D1</b>
Foundations of Mathematics, Applied	<b>MF1 1P1</b>
Mathematics, Locally Developed	<b>MAT 1L1</b>
<i>Science</i>	
Science, Academic	<b>SNC 1D1</b>
Science, Applied	<b>SNC 1P1</b>
Science, Locally Developed	<b>SNC 1L1</b>
Science, Academic (French Immersion)	<b>SNC 1DF</b>
<i>Social Sciences</i>	
Individual, Family, and Social Living, Open	<b>HIF 1O1</b>
<i>Technological Education</i>	
Integrated Technologies, Open	<b>TTI 1O1</b>

### Course Descriptions

*Note: Unless identified as Applied or Academic, all courses are Open.*

#### **Grade 9, Music (AMU 1O1)**

This course emphasizes the performance of music at a level that strikes a balance between challenge and skill and is aimed at developing technique, sensitivity, and imagination. Students will participate in creative activities that teach them to listen with understanding. They will also learn correct musical terminology and its appropriate use.

*Woodwind players are required to purchase reeds.*

#### **Grade 9, Visual Arts (AVI1O1)**

This course offers an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials through working with a range of materials, processes, techniques, and styles. They will learn and use methods of analysis and criticism and will study the characteristics of particular historical art periods and a selection of Canadian art and the art of other cultures.

*Students will be required to pay \$15.00 for supplies.*

#### **Grade 9, Information and Communication Technology in Business, Open (BTT1O1)**

This course introduces students to information and communication technology in a business environment and builds a foundation of digital literacy skills necessary for success in a technologically driven society. Students will develop word processing, spreadsheet, database, desktop publishing, presentation software, and website design skills.

Throughout the course, there is an emphasis on digital literacy, effective electronic research and communication skills, and current issues related to the impact of information and communication technology.

#### **Grade 9, Geography of Canada (Academic - CGC1D1)**

This course explores Canada's distinct and changing character and the geographic systems and relationships that shape it. Students will investigate the interactions of natural and human systems within Canada, as well as Canada's economic, cultural, and environmental connections to other countries. Students will use a variety of geotechnologies and inquiry and communication methods to analyse and evaluate geographic issues and present their findings.

#### **Grade 9, Geography of Canada (Applied - CGC1P1)**

This course focuses on geographic issues that affect Canadians today. Students will draw on personal and everyday experiences to learn about Canada's distinct and changing character and the natural and human systems and global influences that shape the country. Students will use a variety of geotechnologies and inquiry and communication methods to examine practical geographic questions and communicate their findings.

**Grade 9, Geography of Canada (Academic - French Immersion - CGC1DF)**

The content of this course is the same as that of the Grade 9, Geography of Canada (Academic), but the instruction will occur in French.

**Grade 9, English (Academic - ENG1D1)**

This course is designed to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12.

**Prerequisite:** None

**Grade 9, English (Applied - ENG1P1)**

This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12.

**Prerequisite:** None

**Grade 9, English (Locally Developed - ENG1L1)**

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the English Grade 11 Workplace Preparation course. The course is organized by strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on developing foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students develop strategies and put into practice the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.

**Grade 9, Core French (Academic - FSF1D1)**

This course emphasizes the further development of oral communication, reading, and writing skills. Students will build on and apply their knowledge of French while exploring a variety of themes, such as relationships, trends, and careers. Thematic readings, which include a selection of short stories, articles, and poems, will serve as stepping stones to oral and written activities. *Every student will be required to purchase a workbook(\$10.00) to accompany the text.*

**Grade 9, Core French (Applied - FSF1P1)**

This course emphasizes the further development of oral communication skills, using the theme of media; the development of oral communication skills will be integrated with the development of reading and writing skills. Students will expand their ability to understand and speak French through conversations, discussions, and presentations. They will also read media-related short stories, articles, poems, and songs and write brief descriptions, letters, dialogues, and invitations. *Every student will be required to purchase a workbook (\$10.00) to accompany the text.*

**Grade 9, French Immersion (Academic - FIF1DF)**

This course enables students to expand their language knowledge and skills through the study of twentieth-century North American Francophone literature and culture. Students will participate in oral communication, reading, and writing activities as they study a novel and selected poems, legends, songs, films, and newspaper articles from the French speaking world in North America.

**Grade 9, Learning Strategies 1: Skills for Success in Secondary School (Open - GLE10/GLE20)**

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.

**Prerequisite:** Recommendation of Principal

**Grade 9, Healthy Active Living Education (PPL10B/10G - Boy/Girl)**

This course emphasizes students' daily participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement techniques and principles, ways to improve personal fitness and physical competence, and safety/injury prevention strategies. They will investigate issues related to healthy sexuality and healthy active living. They will participate in activities designed to develop goal-setting, communication, and social skills.

**Grade 9, Healthy Active Living Education (French Immersion - PPL10F - Coed)**

The content of this course is the same as that of the Grade 9, Healthy Active Living Education, but the instruction will occur in French.

**Grade 9, Principles of Mathematics (Academic - MPM1D1)**

This course enables students to develop understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a relationship. They will also explore relationships that emerge from the measurement of three-dimensional objects and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multistep problems.

*Additional Information: Successful completion of this course prepares students for Principles of Mathematics, Grade 10, Academic (MPM2D1) or Foundations of Mathematics, Grade 10, Applied (MFM2P1). Learning through abstract reasoning is an important aspect of this course.*

**Grade 9, Foundations of Mathematics (Applied - MFM1P1)**

This course enables students to develop understanding of mathematical concepts related to introductory algebra, proportional reasoning, and measurement and geometry through investigation, the effective use of technology, and hands on activities. Students will investigate real life examples to develop various representations of linear relationships, and will determine connections between these relationships. They will also explore certain relationships that emerge from the measurement of three-dimensional objects and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

*Additional Information: Successful completion of this course prepares students for Foundations of Mathematics, Grade 10, Applied (MFM2P1). Students who wish to take Principles of Mathematics, Grade 10, Academic (MPM2D1) after completing this course will need to take a transfer course. Learning through hands on activities and the use of concrete examples is an important aspect of this course.*

**Grade 9, Mathematics (Locally Developed - MAT1L1)**

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, in the Grade 10 Locally Developed Course, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. The course is organized by three strands related to money sense, measurement and proportional reasoning. In all strands, the focus is on developing and consolidating key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to further develop their mathematical literacy and problem solving skills and to continue developing their skills in reading, writing and oral language through relevant and practical math activities.

**Grade 9, Science (Academic - SNC1D1)**

This course enables students to understand essential concepts in biology, chemistry, earth and space science, and physics; to develop skills in the processes of scientific inquiry; and to relate science knowledge to technological, social, and environmental knowledge. Students will learn about scientific theories and pursue inquiries related to cell division and reproduction, atomic and molecular structures, properties of elements and compounds, the universe and space exploration, and the principles of static and current electricity.

**Grade 9, Science (Applied - SNC1P1)**

This course enables students to understand essential concepts in biology, chemistry, earth and space science, and physics; to develop practical skills in scientific investigation; and to apply their knowledge of science to everyday situations. Students will design and conduct investigations into practical problems and issues related to cell division and reproduction, the structure and properties of elements and compounds, astronomy and space exploration, and static and current electricity.

**Grade 9, Science (Locally Developed - SNC1L1)**

This course emphasizes reinforcing and strengthening science related knowledge and skills, including scientific inquiry, critical thinking and the relationship between science, society, and the environment, to prepare students for success in everyday life, in the workplace, in the Science Grade 11 Workplace Preparation course. Students explore a range of topics including science in everyday life, properties of common materials, life sustaining processes in simple and complex organisms, and electrical circuits. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing and oral language through relevant and practical science activities.

**Grade 9, Science (Academic - French Immersion - SNC1DF)**

The content of this course is the same as that of the Grade 9, Science (Academic), but the instruction will occur in French.

**Grade 9, Individual, Family, and Social Living (HIF1O1)**

This course provides an introduction to Family Studies and will look at all areas including foods, clothing, relationships and consumerism. It explores the challenges faced by all people: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will learn about how families work and the diversity of families and societies, and will have opportunities to develop interpersonal skills, decision-making skills, and practical skills related to family and social issues in daily life. *There is a \$10.00 fee for supplies.*

**Grade 9, Integrated Technologies (TTI1O1)**

This course enables students to understand the technological and computer concepts they need in order to design, develop, and build usable products and/or deliver services, and to pursue further technological studies. Students will use the technological design process and a variety of tools and software to solve problems, complete projects, and strengthen their communication skills. This course consists mainly of hands on projects to help support concepts. *This course may require a fee for the material used to produce student projects.*

**Grade 10 Courses Offered at Adam Scott C.V.I.**

The following tables list all of the courses offered in Grade 10 at Adam Scott. Offerings are dependent on sufficient numbers of students selecting a given course and may include combination with another class in the same subject area. Also, please be advised that some courses may include a fee for consumable materials, use of facilities, workbooks, etc.. Wherever possible, we will include this information with the course descriptions. A brief description of each course is included at the end of the table.

<i>The Arts</i>	
Dramatic Arts, Open	<b>ADA 201</b>
Music - Instrumental, Open	<b>AMU 201</b>
Music - Guitar, Open	<b>AMG201</b>
Visual Arts, Open	<b>AVI 201</b>
Visual Arts - Crafts, Open	<b>AWA 201</b>
<i>Business Studies</i>	
Introduction to Business, Open	<b>BBI 201</b>

<i>Canadian And World Studies</i>	
Contemporary Canadian History, Academic	<b>CHC 2D1</b>
Contemporary Canadian, Applied	<b>CHC 2P1</b>
Contemporary Canadian History, Academic (French Immersion)	<b>CHC2DF</b>
Canadian History, Locally Developed	<b>CHC2L1</b>
Civics, Open (Half Credit)	<b>CHV2O5</b>
<i>Classical and International Languages</i>	
Level 1: International Languages (German), Academic	<b>LWG AD1</b>
<i>English</i>	
English, Academic	<b>ENG 2D1</b>
English, Applied	<b>ENG 2P1</b>
English, Locally Developed	<b>ENG 2L1</b>
<i>French As a Second Language</i>	
Core French, Academic	<b>FSF 2D1</b>
French Immersion, Academic	<b>FIF 2D1</b>
<i>Guidance and Career Education</i>	
Career Studies, Open (Half Credit)	<b>GLC 2O5</b>
Discovering the Workplace, Open (1 credit course + 1 credit co-op) <b>{Pathway Program}</b> - students will be selected for this program based on specific needs	<b>GLD2OW + GLD2OX</b>
<i>Health and Physical Education</i>	
Healthy Active Living Education, Open	<b>PPL 2OG female PPL 2OB male</b>
<i>Mathematics</i>	
Principles of Mathematics, Academic	<b>MPM 2D1</b>
Foundations of Mathematics, Applied	<b>MFM 2P1</b>
Mathematics, Locally Developed	<b>MAT2L1</b>
<i>Science</i>	
Science, Academic	<b>SNC 2D1</b>
Science, Applied	<b>SNC 2P1</b>
Science, Locally Developed - Open	<b>SNC 231</b>
Science, Academic (French Immersion)	<b>SNC 2DF</b>
<i>Social Sciences</i>	
Food and Nutrition, Open	<b>HFN 2O1</b>

<i>Technological Education</i>	
Communications Technology	<b>TGJ 201</b>
Computer and Information Science	<b>TIK 201</b>
Computer Engineering Technology	<b>TEE 201</b>
Construction Technology	<b>TCJ 201</b>
Transportation Technology	<b>TTJ201</b>
Transportation Technology (Small Engines)	<b>TTJ 209</b>

### Course Descriptions

*Note: Unless identified as Applied or Academic, all courses are Open.*

#### **Grade 10, Dramatic Arts (ADA201)**

This course requires students to actively explore dramatic forms and techniques, using their own ideas and concerns as well as sources selected from a wide range of authors, genres, and cultures. Student learning will include identifying and using the principles of space, time, voice, and movement in creating, sustaining, and communicating authentic roles within a drama. Students will assume responsibility for decisions made in the creation and presentation of the drama, and will analyse and reflect on the experience. *There may be a fee charged for entrance to a drama festival or for guest speakers.*

**Prerequisite: None**

#### **Grade 10, Music - Instrumental (AMU201)**

This course emphasizes performance of music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. *Woodwind players are required to purchase reeds.*

**Prerequisite: None**

#### **Grade 10, Music - Guitar (AMG201)**

This course is designed as an introduction to playing the guitar. Students are not expected to have any previous experience. This course is designed to teach all the fundamentals of guitar playing including: proper handling and care for the guitar, tuning the guitar, how to read tablature, chord charts, and basic chord symbols, how to play basic open position chords, strumming and accompanying techniques, finger picking techniques (including alternate picking), 12 bar blues, pop song forms (I, IV, V, I).

**Prerequisite: None**

#### **Grade 10, Visual Arts (AVI201)**

This course emphasizes learning through practice; building on what students know; and introducing them to new ideas, materials, and processes for artistic thinking and experimentation. Student learning will include the refined application of the elements and principles of design, incorporating the creative and design processes, and the relationship between form and content.

Students will also learn about the connections between works of art and their historical contexts. Course objectives may be achieved either through a comprehensive program or through a program focussed on a particular art form (e.g., drawing, painting). *Students will be required to pay a fee of \$15.00 for supplies.*

**Prerequisite: None**

#### **Grade 10, Visual Arts - Crafts, (AWA201)**

This course emphasizes learning through practice; building on what students know; and introducing them to new ideas, materials, and processes for artistic thinking and experimentation. Student learning will include the refined application of the elements and principles of design, incorporating the creative and design processes, and the relationship between form and function. Students will also learn about the connections between crafts and their historical contexts. Course objectives will be achieved through a program focussed on Craft making. *Students will be required to pay \$15.00 for supplies.*

**Prerequisite: None**

**Grade 10, Introduction to Business (BB1201)**

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

**Prerequisite: None**

**Grade 10, Contemporary Canadian History, (Academic - CHC2D1)**

This course explores the local, national, and global forces that have shaped Canada's national identity from World War I to the present. Students will investigate the challenges presented by economic, social, and technological changes and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical-thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view.

**Prerequisite: None**

**Grade 10, Contemporary Canadian History, (Applied - CHC2P1)**

This course explores some of the events and experiences that have influenced the development of Canada's identity as a nation, from World War I to the present. By examining how the country has responded to economic, social, and technological changes and how individuals and groups have contributed to Canadian culture and society during this period, students will develop their ability to make connections between historical and current events. Students will have opportunities to formulate questions, locate information, develop informed opinions, and present ideas about the central issues and events of the period.

**Prerequisite: None**

**Grade 10, Contemporary Canadian History, (Academic - French Immersion - CHC2DF)**

The content of this course is the same as that of the Grade 10, Canadian History in the Twentieth Century (Academic), but the instruction will occur in French.

**Prerequisite: None except being in the Immersion Program**

**Grade 10, Canadian History, (Locally Developed - CHC2L1)**

This course emphasizes strengthening history related knowledge and skills and to prepare students for success in everyday life, in the workplace, and in Grade 11 Workplace courses. Students are given opportunity to continue developing their skills in reading, writing, and oral language through relevant and practical history activities. They are given opportunities to improve their subject area knowledge and skills and to practise them in order to strengthen their literacy skills. This course encourages students to examine their conceptual understandings and beliefs, develop and enhance their critical thinking skills, and engage in meaningful dialogue with teachers and peers.

**Prerequisite: None**

**Grade 10, Civics (Half Credit - CHV2O5) *This a compulsory, half credit course.***

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others' ideas about civics questions and learn how to think critically about public issues and react responsibly to them.

**Prerequisite: None**

**Grade 10, International Languages (German), (Academic, Level 1 - LWGAD1)**

This course is designed to enable students to begin to communicate with native speakers of the language of study (German). Students will use simple language and read age and language appropriate passages for various purposes. They will explore aspects of the culture of countries where German is spoken, including social customs and the arts, by participating in cultural events and activities involving both print and technological resources.

**Prerequisite: None**

**Grade 10, English, (Academic - ENG2D1)**

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course.

**Prerequisite: English, Grade 9, Academic or Applied**

**Grade 10, English, (Applied - ENG2P1)**

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course.

**Prerequisite: English, Grade 9, Academic or Applied**

**Grade 10, English, (Locally Developed - ENG2L1)**

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, and in the Grade 11 Workplace Preparation course. The course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.

**Prerequisite: A grade 9 English credit**

**Grade 10, Core French, (Academic - FSF2D1)**

This course enables students to increase their knowledge of the French language, further develop their language skills, and deepen their understanding and appreciation of Francophone culture around the world. Exploring a variety of themes, students will develop and apply critical thinking skills in discussion, in their analysis and interpretation of texts, and in their own writing. *Every student will be required to purchase a workbook (\$10.00) to accompany the text.*

**Prerequisite: Core French, Grade 9, Academic or Applied**

**Grade 10, French Immersion, (Academic - FIF2DF)**

This course enables students to increase their knowledge of the French language and to further develop their language skills through the study of twentieth-century European Francophone literature and culture. Students will participate in oral communication, reading, and writing activities based on a variety of French literary and media works. They will study at least one novel and a selection of poems, short stories, films, plays, and newspaper and magazine articles.

**Prerequisite: French Immersion, Grade 9, Academic**

**Grade 10, Career Studies (Half Credit - GLC2O5) *This a compulsory, half credit course.***

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan. *There may be a fee charged for consumable materials such as workbooks, interest inventory tests, etc.*

**Prerequisite: None**

**Grade10, Discovering the Workplace (GLD2OW+GLD2OX) {Pathway Program}**

This 2 credit course provides students with opportunities to discover and develop the workplace essential skills and work habits required to be successfully employed, and helps students make plans for continued learning and work. Students will develop an understanding of work through practical hands-on experiences in the school and in the community, using real workplace materials. Students will investigate occupations of interest through experiential learning opportunities, such as worksite visits, job shadowing, work experience, simulations, and entrepreneurial projects.

**Prerequisite: None**

*Additional Information: This course has been specifically written to meet the needs of students who:*

- 1) fit the profile of the students considered at risk in our secondary schools.*
- 2) would benefit from learning the skills required for success in the workplace and demonstrating achievement of those skills both inside and outside of the classroom.*
- 3) would benefit from having a related course for a cooperative education program in grade 10.*

**\* A list of possible candidates for this program will be developed in consultation with current grade 9 and 10 teachers, and the Student Success Team. Students and parents will then be contacted to discuss specific details and possibilities.**

**Grade 10, Healthy Active Living Education (PPL2OB/2OG)**

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices.

**Prerequisite: None**

**Grade 10, Principles of Mathematics (Academic - MPM2D1)**

This course enables students to broaden their understanding of relationships and extend their problem solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relationships and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically as they solve multistep problems and communicate their thinking.

**Prerequisite: Mathematics, Grade 9, Academic or Transfer Course**

**Grade 10, Foundations of Mathematics (Applied - MFM2P1)**

This course enables students to consolidate their understanding of relationships and extend their problem solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real life examples; and explore and interpret graphs of quadratic relationships. Students will investigate similar triangles, the trigonometry of right angled triangles, and the measurement of three-dimensional objects. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

**Prerequisite: Mathematics, Grade 9, Academic or Applied**

**Grade 10, Mathematics (Locally Developed - MAT2L1)**

This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. The course is organized by three strands related to money sense, measurement and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend their mathematical literacy and problem solving skills and to continue developing their skills in reading, writing and oral language through relevant and practical math activities.

**Prerequisite: A grade 9 Mathematics credit**

**Grade 10, Science (Academic - SNC2D1)**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their skills in scientific inquiry; and to understand the interrelationships among science, technology, and the environment. Students will conduct investigations and understand scientific theories related to: ecology and the maintenance of ecosystems, chemical reactions with particular attention to acid-base reactions, factors that influence weather systems, and motion.

**Prerequisite: Science, Grade 9, Academic or Applied**

**Grade 10, Science (Applied - SNC2P1)**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their practical skills in scientific investigation; and to apply their knowledge of science to real-world situations. Students will design and conduct investigations into everyday problems and issues related to ecological sustainability, chemical reactions, weather systems, and motion.

**Prerequisite: Science, Grade 9, Academic or Applied**

**Grade 10, Science (Locally Developed, Open - SNC2L1)** *This credit does not meet the requirements for a compulsory credit in this subject.*

This course builds upon the material covered in the Grade 9 Locally Developed Science course and provides the student with an opportunity to study the science in their daily lives. Safe handling of chemicals, environmental issues, energy conservation, weather systems and earth science will all be presented in a practical manner with frequent connections to the student's daily life outside of school. This course will assist in preparing the student to take their place as a responsible and informed member of a society that is increasingly being faced with issues based on an understanding of science.

**Prerequisite: None**

**Grade 10, Science (Academic - French Immersion - SNC2DF)**

The content of this course is the same as that of the Grade 10, Science (Academic), but the instruction will occur in French. *A lab fee may be charged.*

**Prerequisite: Science, Grade 9 Academic Immersion**

**Grade 10, Food and Nutrition (HFN2O1)**

This course allows students to learn to create and to produce healthy meals. It explores the factors that affect attitudes and decisions about food, examines current issues of body image and food marketing, and is grounded in the scientific study of nutrition. Students will learn how to make informed food choices and how to prepare foods, and will investigate our Canadian food heritage and food industries, as well as global food issues. The course also introduces students to research skills related to food and nutrition.

*Students will be required to pay a fee of \$15.00 to help cover the cost of supplies. Prerequisite: None*

**Grade 10, Communications Technology (TGJ2O1)**

This course requires students to complete a range of communications technology projects. These may include creating printed stationery, short videos, computer-generated animations, and graphical information displays. Students will learn to transfer information using electronic, live, and graphic communications methods. The knowledge and skills they will develop will provide a basis for careers in areas such as publishing, advertising, print production, animation, photography, and journalism. Projects include Desktop Publishing, Digital Imaging and Webpage Design using Corel Draw, Photoshop, Macromedia and Black & White Photography; 3D animation using 3D Studio Max; Video Production and Audiorecording. *Technical courses may charge a fee for the material used to complete student projects.*

**Prerequisite: None**

**Grade 10, Computer and Information Science (TIK2O1)**

This course introduces students to computer science concepts. Students will learn about the stages in software design; the fundamental programming constructs of sequence, selection, and repetition; the functions of internal and external computer components; the relationship among networks, operating systems, and application software and their uses; and how programming languages evolve. Students will also develop an awareness of computer-related careers.

**Prerequisite: None**

**Grade 10, Computer Engineering Technology (TEE2O1)**

This course examines computer hardware and the control of external components from an engineering perspective. Student will learn how to solve problems, and will study the functions of key computer components and peripherals, logic gates, fundamental programming concepts, internal numbering and character representation systems, and operating systems and networks. Students will also develop an awareness of potential careers in the field of computer engineering. Students will build a variety of projects to help support computer concepts. Curriculum from the CISCO CCNA Discovery course will be taught in order to build and repair local area networks as well as computer systems. *Technical courses may charge a fee for the material used to complete student projects.*

**Prerequisite: None**

**Grade 10, Construction Technology (TCJ2O1)**

This course requires students to design, build, and evaluate projects using design instruments and machine and hand tools. Students will solve technological problems through a variety of media, identify and describe building materials and other resources needed to construct, maintain, and service buildings, identify support systems and components, apply safety rules related to materials, processes, and equipment; identify common architectural styles, and identify careers related to construction technology. An emphasis will be placed on woodworking projects in this course.

*Technical courses may charge a fee for the material used to complete student projects.*

**Prerequisite: None**

**Grade 10, Transportation Technology (TTJ 2O1)**

This course requires students to build projects and to learn service procedures related to different modes of transportation. Students will learn about support systems for transporting people and products; measurement systems and methods; the analysis, design, and construction of a system to convert and make practical use of energy; the function of major vehicle system components; the impact of transportation systems on the environment; communication skills; and transportation related careers. Students will learn the basics about automobile maintenance as well as completing projects such as the bottle rocket. *Technical courses may charge a fee for the material used to complete student projects. Prerequisite: None*

**Grade 10, Transportation Technology (TTJ 209 - Small Engines)**

This course requires students to build projects and to learn service procedures related to different modes of transportation. Students will learn about support systems for transporting people and products; measurement systems and methods; the analysis, design, and construction of a system to convert and make practical use of energy; the function of major vehicle system components; the impact of transportation systems on the environment; communication skills; and transportation related careers. Students will concentrate on the maintenance of R.V.'s and equipment using marine and small engines. *Technical courses may charge a fee for the material used to complete student projects.*

**Prerequisite: None**

