

École Secondaire

**EARL
MARRIOTT**
Secondary School



Grade 9 Course Calendar
2010 ~ 2011

www.earlmarriott.com

FRENCH IMMERSION

FRENCH IMMERSION

Prerequisite: *Prior French Immersion study*

This is a special program designed for the student who began the Early or Late Immersion Program at the elementary level. No distinction is made in Français Langue courses between early and late immersion students in Grades 8 - 12. Students have the opportunity to study a regular math or an honours mathematics course in French at all three levels. Students' mathematical ability and teacher recommendation will determine the level of study (depending on their strength, and subject to their teacher's recommendation.) Special permission may also be granted for students to study Applications of Math 10 in English.

In order for a student to graduate with a bilingual certificate, s/he must successfully complete 15 of the courses offered in the program including Français Langue 12 which is a government-examinable course. These courses are conducted entirely in French. Oral participation is stressed. In Français Langue courses approximately 40% of the mark is based on oral work. The language training incorporates a wide range of experiences aimed at achieving a functional level of language mastery.

GRADE 8 4 Courses	Français Langue 8 + Mathématiques 8 + Sciences 8 + Sciences Humaines 8 <i>(Regular or Honours)</i>
GRADE 9 4 Courses	Français Langue 9 + Sciences Humaines 9 + Mathématiques 9 + Sciences 9 <i>(Regular or Honours)</i>
GRADE 10 4 Courses	Français Langue 10 + Sciences Humaines 10 + Mathématiques 10 + Sciences 10 <i>(Regular or Honours)</i>
GRADE 11 2 Courses	Français Langue 11 + Actualité 11 or Mathématiques 11
GRADE 12 1 Course	Français Langue 12

Actualité, communication et journalisme 11

Quelles sont les circonstances entourant l'évolution du journalisme en Amérique? Quelles sont les composantes d'un journal? Comment prépare-t-on une entrevue? Comment rédige-t-on un article? Voici quelques-unes des questions que nous traiterons dans ce cours. De plus, les élèves devront préparer, puis présenter devant la classe, deux comptes-rendus journalistiques; tenir un carnet d'actualité hebdomadaire sur le monde qui nous entoure; créer et publier une revue scolaire, etc. Ce cours sera très utile pour tous ceux et celles qui veulent enrichir leur vocabulaire tout en travaillant sur leurs habiletés d'écriture, d'écoute et orales.

Pré-requis: Française Langue 10

ART

ART 9

Prerequisite: *None*

This course is great for students who wish to work in a number of different areas of art. They will further their interests in art and explore a variety of media from drawing, painting and printmaking to ceramics, sculpture and fibre art. Theories in art such as colour, balance, perspective and value will help students develop and refine their personal imagery.

VISUAL ART 2-D 9 DRAWING AND PAINTING

Prerequisite: *None*

This course is for students who have an interest in drawing, using different drawing mediums; painting, using acrylic paint, tempera and watercolour; graphic arts, such as silk screen and other print-making applications and some fibre art. Projects will be designed according to class needs and interest.

VISUAL ART 9 CERAMICS AND SCULPTURE

Prerequisite: *None*

This course will take you from the first steps of clay to advanced hand building techniques. Students will learn various approaches to glazing and finishing their ceramic art pieces. Some works will be functional such as bowls, salt & pepper shakers and vases, other pieces will be sculptural such as characters in clay or those illustrating a story. All students will have the opportunity to build bowls and cups on the potting wheel.

GLASS ART 9

Prerequisite: *None*

This is an introductory course for students interested in the methods and techniques of working with glass. Students will learn image development, design and the use of color as they make various projects. The course introduces terms and tools for glasswork as students create artworks using mosaic, etching, and foiling techniques. Some of the projects include stained glass sun-catchers, sand-blasted designs and more.

STUDIO ARTS 9/10: FABRIC AND FIBRE

Prerequisite: *None*

‘TIE-DYE PLUS I’ is for students who have had little or no experience in drawing and painting but enjoy designing and building personal items out of wool, fabric, and other fibre based materials. You will learn to make items using dye methods such as tie-dye, batik and silk painting; printing projects like silk-screening t-shirts and block printing patterns to fabric; felt making, beading, and soft sculpture will also be introduced.

BUSINESS EDUCATION/ INFORMATION TECHNOLOGY

ENGLISH

The aim of our Business Education/IT Department is to help students understand the interconnectedness of jobs, work, and the individual's place in the national and global economy. Students will develop skills that they can apply in their daily lives, and enhance their employability skills. The department mission is to provide "real skills for the real world."

INFORMATION TECHNOLOGY 9

Prerequisite: *None*

Information Technology 9 has been designed to emphasize the skills needed for personal production as well as those needed for upper level technology courses. Through a variety of experiences students will demonstrate confidence such areas as keyboarding, digital media and communication, internet safety, digital file management, 2D animation, graphic design, and website development. This is a fast paced course to provide students with exposure to a mixture of areas. Software utilized in this course includes: All The Right Type, Microsoft Office, The Adobe Creative Suite (Fireworks, Flash, and Dreamweaver), and Apple iMovie.

DRAMA

MUSICAL THEATRE 9

(THEATRE PERFORMANCE)

Musical Theatre is comprised of three major areas of study: vocal production, choreography and acting. In this class students study various musical theatre styles. Areas of development will include vocal technique, character building, and stage presence.

DRAMA 9

Prerequisite: *None*

Drama 9 is an extension of the activities introduced in Discovery 8. The main focus of this course is the development of basic acting skills in the areas of mime, voice, movement, improvisation and role drama. Exercises and activities are aimed at improving students' confidence and group skills in a positive, supportive atmosphere.

ENGLISH 9

Prerequisite: *English 8*

Through the integration of reading, writing, oral communication, viewing and representing, English 9 is designed to develop students' skills and appreciation of literature and language. The activities and resources are selected to appeal to a range of interests and abilities.

- For reading, materials offered for study include short stories, novels, poetry, drama (introduction to Shakespeare), and non-fiction. Students will read for a variety of purposes and demonstrate interpretive understanding.
- In writing, the emphasis will be on the composition skills needed for a variety of formats. All stages of the writing process will be used: pre-writing, drafting, editing, proofreading, and publishing. Emphasis will be on multi-paragraph writing.
- Oral communication skills will be on developing an increasing awareness of audience, purpose and context.
- Representation will consist of students creating a variety of images to assist in the development and expression of ideas.

HOME ECONOMICS

FOODS AND NUTRITION 9

Prerequisite: *None*

Foods 9 is a beginning foods course with an emphasis on "leading a healthy lifestyle for myself and my family". The theme is based on Canada's Food Guide For Healthy Eating and will focus on new and exciting ideas for breakfast, lunch, dinner and snacks. Students learn:

- Basic cookery principles and food preparation techniques.
- Safety and sanitation in the kitchen.
- To make nutritionally balanced meals.
- To make informed decisions about food purchases and consumption.

HOME ECONOMICS

TEXTILE ARTS & DESIGN 9

Prerequisite: *None*

This course is for students interested in textiles as a creative medium. If you enjoy fabric painting, appliqué, embroidery, knitting, quilting and soft sculpture, this course is for you. Craft making, decorative sewing, and creating wearable art is the focus of this course. Students are responsible for purchasing patterns, fabric and supplies. Students learn:

Students learn:

- Textile fundamentals and processes.
- Elements and principles of design.
- Various methods of embellishing textiles.
- Decorative sewing techniques.

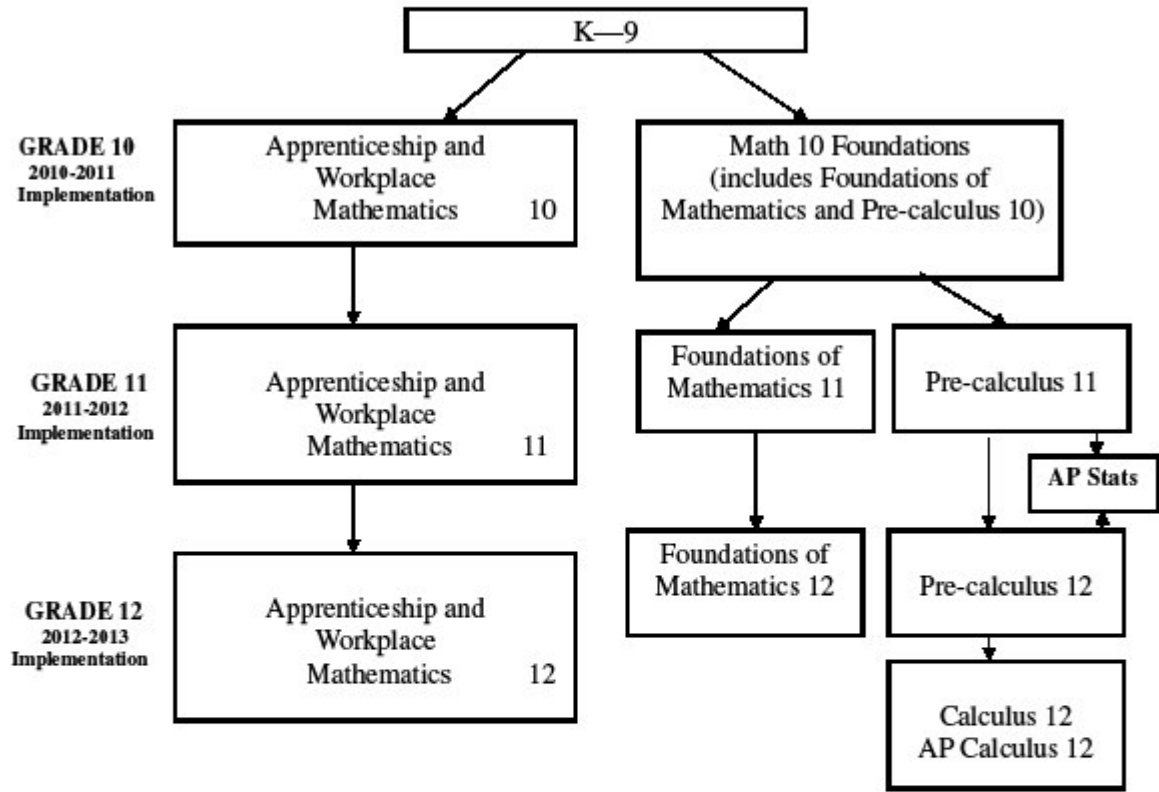
TEXTILES & FASHION 9

Prerequisite: *None*

Sewing for “Recreation and Leisure” is the theme for this course. The emphasis will be on learning skills and techniques by constructing such clothing items as pyjamas, sweatshirts, fleece vests, skirts and other casual clothing. Students are responsible for purchasing patterns, fabric and supplies. Students learn:

- Basic sewing construction techniques.
- Clothing care.
- The variety and use of textiles in today’s society.
- A variety of ways to embellish textile items.
- To make informed decisions about clothing purchases.

MATHEMATICS



FOR 2010—2011 MATH 11 & 12 PRINCIPLES, CALCULUS 12, APPLICATIONS 11 AND ESSENTIALS WILL CONTINUE TO BE OFFERED

THE FOUR STRANDS OF THE BC MATHEMATICS CURRICULUM

- **Number (Concepts and Operations)** - students continue to use basic arithmetic operations and appropriate technology to solve consumer problems.
- **Patterns and Relations** - students solve different types of equations such as linear, quadratic, polynomial, exponential, logarithmic.
- **Shape and Space** - students use geometry, scale diagrams and measuring devices to solve problems.
- **Statistics and Probability** - students use probability and statistics to solve problems involving data samples.

MATH COURSE DESCRIPTIONS

MATHEMATICS 9 / 9 HONOURS

Prerequisite: *Math 8/8H*

This course explores basic algebraic concepts of equation solving and polynomials plus geometry and data analysis. It is a prerequisite for all math courses at the Grade 10 level.

PATHWAY PLACEMENT

Math 8 and 9 prepare students for any of the mathematics pathways described above. Placement in a specific Math Pathway is by teacher recommendation. If there is a question or concern regarding a student's placement please consult with the teacher making the recommendation.

APPRENTICE AND WORKPLACE

MATHEMATICS 10 (AWM 10)

Required Provincial Exam

Prerequisite: Mathematics 9

Description: This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.

Topics: Problem solving, number, algebra, geometry, and measurement. The seven mathematical processes (communication, connections, mental mathematics and estimation, problem solving, technology and visualization) are interwoven throughout the mathematical topics.

Final Examination: Provincial Exam, 20% of final mark

Required Equipment: Scientific Calculator
(Graphing Calculator optional)

Mathematics

Important Questions and Answers for Parents and Students about new Math Pathways and new Math Courses coming to your high school starting in September 2010 and beyond

“What are the new Pathway Names and what is in them?”

Each pathway is designed to provide students with the mathematical understandings, rigour and critical-thinking skills that have been identified for specific post-secondary programs of study and for direct entry into the work force. The content of each pathway has been based on the *Western and Northern Canadian Protocol (WNCP)* which governs curriculum in the Western Provinces and Northern Territories. There are three pathways of courses to consider:

Apprenticeship and Workplace Mathematics (Courses at grade 10, 11 and 12)

This pathway is specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades at post secondary and for direct entry into the work force. Topics include algebra, geometry, measurement, number, statistics and probability.

Foundations of Mathematics (Courses at grade 11 and 12) Beginning in 2011 & 2012 respectively

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus like Economics, Geography, Arts or Humanities. Topics include financial mathematics, geometry, measurement, number, logical reasoning, relations and functions, and statistics and probability. Most students will choose this pathway.

Pre-calculus (Courses at grade 11 and 12) Beginning in 2011 & 2012 respectively

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus like Sciences or Engineering. Topics include algebra and number, measurement, relations and functions, trigonometry, permutations, combinations and binomial theorem. A small number of students will choose this pathway because of the higher-level topics included in it.

“Which Math course is best suited to my child?”

While there is no “rule” about which Math course is right for each student, the decision can be made easier by thinking about your child’s ability in Math, his/her interest in Math, and his/her future education and career plans. The new courses have been designed to facilitate student success after high school. For example: If your child has worked hard in Math 8 or 9, enjoys working on projects or “hands-on” activities, or intends to pursue a trade or technical job after high school, then choose the **Apprenticeship and Workplace pathway**.

If your child has worked hard in Math 8 or 9, enjoys working on projects or “hands-on” activities, or is planning further study in the Social Sciences like Economics, Geography, Psychology, Arts or Humanities at post secondary, then the **Foundations pathway** will be the best choice.

If your child has been very successful in Math 8 and 9, enjoys the challenges of Math, and is thinking about future education or a career that involves Sciences or Engineering at a university, then starting the **Pre-Calculus pathway** will be the best choice.

Your child’s education choices after high school depends, in part, on the courses he/she takes in high school. To find out more information about each pathway option, please talk to your child’s Principal, counsellor and math teacher as well as visit www.wncp.ca for more curriculum information.

Parents need to remember that grade 10 has ONLY two courses but there are three pathways in grade 11 to 12. Students who choose grade 10 Apprenticeship and Workplace cannot move to the Foundations stream easily.

“What’s the difference between Apprenticeship and Workplace, Foundations and Pre-Calculus compared to Essentials, Applications and Principles that we are used to now?”

As you can see, the course names have changed, but there is more than that! The content covered in each course has also changed. The content comes from WNCPC (a collaboration of Ministries of Education from western provinces and territories) and WNCPC has restructured Math instruction from K-12. Elementary students are already working on WNCPC topics in their Math courses. Secondary courses need to change now so the whole structure is more consistent across grades and across provinces. These changes have been made purposefully to achieve consistent delivery of curriculum from K-12. Students will experience new course names, new course content in different grades and a change in focus towards math topic understanding as well as procedural math understanding.

“Can my daughter get into University or College without taking Pre-Calc 11 or 12?”

Yes! There are many different combinations of courses and programs that will allow a student to go to college or university. The specific Math courses that are required by colleges and universities depend entirely on the program a student wants to enter. Some entrance requirements include calculus math courses (courses from the Precalculus pathway) and others do not require calculus courses (courses from the Foundations pathway). **It is crucial that you check the university or college website to find out which specific courses are needed for entry and what marks are needed in those courses.**

“Is there still going to be a Provincial Exam in the new Grade 10 courses?”

Yes! The new grade 10 pathway courses starting in Sept. 2010 will have a Provincial exam that counts for 20% of the student’s overall course mark. This is the same breakdown for exam and school mark as the current math 10 courses. The exams will include a computation section without the use of a calculator as well as a calculator -allowed section. The exams will still include multiple choice questions but will now also include problem solving questions that are required to be assessed from the new curriculum. Students will be able to access sample exams for these new courses from: <http://www.bced.gov.bc.ca/exams/>

“My daughter wants to study University Chemistry but her teacher has suggested Foundations ... What should we do?”

While Pre-Calculus 11 or 12 will be required for University Science and Engineering programs, it is important to understand the reason for the teacher’s recommendation for Foundations. Foundations may have been suggested because your child found the Foundations and Pre-Calc 10 course very challenging. The teacher is concerned that your daughter will be challenged by the content in the Pre-Calc pathway in grade 11 and/or 12. It may also be that your child’s learning style is more suited to a less theory-based course like in the Foundations pathway. Parents should review the prerequisite courses required for individual institutions. With new courses starting for September, there will be institutions that accept the Foundations stream courses for entry to programs instead of just Pre-Calc 11 and/or 12.

“What happens if we change our mind about the pathway decision that we made before the start of this year?”

Because the three pathways were designed to give students different skills, attitudes and knowledge for different career and post secondary paths, they were not designed specifically to allow for lateral movement between pathways. As a result, schools will not be suggesting students move from one pathway to another once a choice has been made and a student is working in one pathway’s courses. The pathway courses contain different content and were designed in such a way that students could take courses in more than one pathway if desired. Taking more than one math course is not unusual in other parts of Canada. It is a newer idea in British Columbia but this would give a student the most available opportunities at post secondary institutions. There are other options as well. If, after high school, your son or daughter changes career paths and realizes that he/she needs Pre-Calc 11 or 12 instead of the Foundations courses taken, colleges and universities will offer these or equivalent courses for upgrading. Your son/daughter should choose the courses that best fit his/her current math interest and best fit his/her current post secondary direction!

What are the Goals of the New Pathways?”

The goals of all three pathways are to provide prerequisite attitudes, knowledge, skills and math concept understandings for specific post-secondary programs or direct entry into the work force. All three pathways provide students with mathematical understandings and critical-thinking skills. It is the choice of topics through which those understandings and skills are developed that varies among pathways. When choosing a pathway, students should consider their interests, both current and future and their plans after high school. Students will be exposed to more problem solving as a way of learning and practicing math concepts. The pathways and courses were designed to prepare students to solve problems in real life more confidently. All three pathways were designed to clearly communicate high expectations for students’ mathematical learning in grades 10, 11 and 12

“Which pathway is most suitable for the majority of students to be studying in grades 11 and 12?”

The most challenging pathway for students will be the highly theoretical Pre-Calculus 11 and 12 pathway. It leads to university level post secondary Calculus courses for Sciences and Engineering (where only a small number of students are successful in enrolling). The majority of students will choose the less theoretical Foundations pathway for their high school studies.

MODERN LANGUAGES

The principal goal of the Language program at EMS is to develop communication skills so that students will have the desire and ability to express themselves in real-life situations. According to the B.C. Ministry Language Education Policy, it is mandatory to study a second language for 4 consecutive years (grades 5, 6, 7 and 8). In Surrey, that language is French. Students should be aware that a grade 11 language is a prerequisite for most universities, and that a grade 12 language course is required for certain University programs. All languages have an optional grade 12 Provincial Exam worth 40% of the final mark.

FRENCH 9

Prerequisite: *French 8*

French 9 builds upon acquired knowledge, skills and attitudes and offers its students an excellent opportunity to experience the power of authentic interaction in French. Students increase their abilities to communicate effectively in French (listening, speaking, reading and writing) in exploration of age-appropriate themes. This course includes four units of work in “**Communi-Quête 2**”.

SPANISH 9

Prerequisite: *Some experience with a foreign language is recommended.*

Spanish 9 is designed to introduce the student to basic Spanish grammar structures and vocabulary and to develop communication skills through listening, speaking, reading and writing. The audio-visual Spanish programme “**Avancemos Uno**” provides many varied activities which put the student in a “communicative” situation, thereby rapidly increasing the student’s ability to speak Spanish. At the end of this course, students will be able to communicate effectively on topics such as family, friends, school and leisure activities.

MUSIC

**Students with little or no previous experience wishing to join any of the Band classes, must have the permission of the Band Director.*

CONCERT BAND 9

Prerequisite: *Band 8 or Director’s approval.*

This is a continuation of Band 8, usually for students in Grade 9 with two years band experience.

JAZZ BAND 9

Prerequisite: *Approval of the Band Director*

This class is for students interested in playing “Big Band”, jazz, and rock music. Members must also play in one of the Concert Bands.

*** Classes meet for an extended day Tuesdays and Thursdays for 1 ¼ hours after school.*

P.E.

PHYSICAL EDUCATION 9

Prerequisite: *Physical Education 8*

Through participation in a variety of activities, students will develop a positive attitude towards active living in the pursuit of lifelong health and well-being. Activities will be selected from the movement categories of: *games, individual and dual activities, dance, and alternate environment activities*. In addition, through Personal Development units, students will be introduced to *Healthy Living and Family Life*. Emphasis is placed on developing positive personal and social behaviours and interpersonal relationships. The demonstration of efficient and effective movement skills will be emphasized.

HOCKEY CANADA SKILLS ACADEMY

Offered to any student in Grades 9-11, this elective program is a nationally certified course offered in over 80 schools across Canada. The goal of the course is to develop students' skills in the game of hockey, through the specific teaching of the fundamental skills necessary to enjoy and excel in the game. The students are taught and monitored based on their self-improvement during the semester. The ice times are led by leading community coaches, who have been trained specifically to teach in this program. Fitness classes develop hockey specific training using the school facilities. The classroom blocks are a vehicle to share expertise in the areas of sports psychology, nutrition, leadership, goal setting, mentoring, coaching, and public speaking. Leading guest speakers from NHL, University, and Junior hockey are frequent guests of the program. Program cost is \$600 per student. Each student receives a Hockey Canada jersey, and is fully insured.

This program is offered in Semester 2 of the 2009-10 school year at EMS.

Contact Mike Coflin - coordinator, via e-mail: coflin@shaw.ca for additional information

SCIENCE

SCIENCE 9

Prerequisite: **Science 8**

A general science course that involves the use of the scientific process, laboratory skills and formal laboratory writeups. Life science includes reproduction. Physical science covers atoms, elements and compounds as well as the characteristics of electricity. Earth and space science focuses on space exploration.

SOCIAL SCIENCES

COMMUNITY LEADERSHIP 9/10

The very root of the word "lead" means to go, travel or guide. This credit course is the beginning of your journey as a leader. It is based on the premise that **leadership begins with you**. The main goals of the **Community Leadership 9** course are to provide students with an opportunity to assess personal leadership strengths, to analyze community needs, and to work on projects based on these needs.

Students will work as a team on projects that will require learning many new leadership skills. In the process, students will make a positive difference for others in our school and local community. This course is recommended for students who like to work with others, to teach or mentor younger students, and to find creative methods to meet these goals.

Students must submit an application to be considered for this course.

SOCIAL STUDIES

SOCIAL STUDIES 9

Prerequisite: *Social Studies 8*

Social Studies 9 is often described as two smaller courses rolled into one. Students investigate the struggle for democracy by studying the great revolutions. The English, French and American Revolutions take the focus for the study and development of democracy, while the Industrial Revolution illustrates how massive social change can occur in a non-violent way. Additionally students study the social, political and economic development of the North American continent from the arrival of the Vikings to the War of 1812. Canadian regional geography and current events remain the other focus of the Social Studies 9 curriculum.

TECHNOLOGY EDUCATION

If students wish to take any projects home, they will be required to pay a materials fee.

METAL WORK 9

Prerequisite: *None*

Students learn basics in metalworking, machine operations, oxygen/acetylene gas welding, wire-feed arc welding, basic sheet metal and aluminium casting. Students will be able to design and construct projects of their own choice with available materials. There are opportunities to cast a piece of jewellery, either a ring or a pendant, in gold or silver, using existing designs or by creating one's own design. Emphasis will be on safety at all times. Grade level determines project selection.

MECHANICS 9

Prerequisite: *None*

This is an introductory course open to male and female students. This course covers the following topics:

- 2 stroke cycle engine
- 4 stroke cycle engine
- Shop safety
- Tools and equipment
- Oxygen/Acetylene gas welding
- Design and build a gravity powered car

This is an excellent introductory course for students interested in taking the automotive courses offered in Grades 11 and 12.

ENGINEERING TECHNOLOGY 9

Prerequisite: *None*

Engineering technology 9/10 is a hands-on course meant to explore technology by finding solutions to design challenges. Students will work both individually and in teams using the *design process* and a variety of woodwork and metalwork tools as well as computer programs. Each project will involve stages that include planning, testing, competition and reflection. This course will be enjoyable for students interested in becoming engineers, architects, builders, designers and also those who like to work on small projects that challenge their problem solving abilities. This course is interesting, fun and one you'll look forward to attending!

Some projects include: CO2 dragsters, robotics, bridge construction, catapults, electronics, mini-rockets, egg-drop, mouse-trap powered cars.

There is a materials fee of \$30. Students may take home all of their projects once they are completed and marked.

WOODWORK LEVEL 1

Prerequisite : *open to all grades*

Woodwork Level 1 is meant to introduce students to wood technology. Safe operation of standard woodworking tools and machines will be taught. Upon successful completion of this course students will have used all machines in our shop and have a solid understanding of how quality pieces of furniture are made. You will get to make a custom piece of furniture to keep!

Some of the machines taught are the: mitre saw, table saw, jointer, thickness planer, bandsaw, lathe, router, drill press and power sanders.

There is a materials fee of \$50.

DRAFTING AND DESIGN 1

An introductory course that provides skill development in computer and manual drawing techniques. Students will learn to draw in architectural and mechanical-related areas. This course can be of value to anyone wishing to pursue a career in designing, building, or manufacturing items.