

## Grade 9 Course Selection by Subject

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### **3D Computer Drafting & Design 9 (MADD-09) (Beginners Level 1)**

Design your own cars, jets, houses or jewelry, with the latest 3D Autodesk Inventor software. Take your models home after printing them in the 3D printer. This course will be an introductory course using the latest current industry standard 3D modeling software used by engineers, architects and designers. The focus of this course will be creative problem solving and personal design.

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### **App Development & Robotics 9(MADIT 09)**

Lego Mindstorms - imagine building and bringing your own Lego robot to life while learning to code at the same time! Write mobile apps and games to install & use on your own phone. Explore and build worlds with Minecraft. Code your own website. Develop your understanding of personal and social communication through Internet and Social Media projects.

Note: This course satisfies the grade 9 Applied Design Skills and Technology course requirement.

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### **Art 9 (AR9)**

A foundation course in which a variety of media is used. Students will explore drawing, painting, mixed media, ceramics and/or sculpture and design. Emphasis will be placed in using the elements of design to create original imagery. Some discussion of art in history and contemporary times will be included.

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### **Art Dramatiques 9 (DR9)**

A developmental drama program. We don't just DO plays. Major areas of development include movement, mime, speech, role-play and improvisation. In class emphasis will be placed on teamwork and concentration. The overall goal of the program is to give the student self-confidence to make presentations in class and to transfer this to onstage and stage experiences. Marks are awarded on the basis of performance and participation in class. Attendance is crucial, make-ups are impossible.

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### **Band 9 (BA9)**

Open to students who have completed Band 8 or contact Ms. Wade.

Band 9 further develops your technical skills as they relate to more challenging music from the band repertoire. There will be many opportunities for performances at concerts, festivals and trips.

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### **Coding & Media Design 10 (MMEDD10)**

Create 2D video animations with Flash CC. Develop your multimedia skills using several applications, as well as online apps. Develop mods and worlds in Minecraft. Edit your digital photos with Photoshop CC; design video games with GameMaker RPG-type game design; and edit sound with MIDI and Wav programs. Learn to program with Scratch and take a computer apart and put it together again! In Coding & Media Design 10, students develop capabilities in learning new software interfaces that will stay with them long after the technology changes.

**Note: Grade 9s may take this course**

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## **Community Recreation 9 (PHE9)**

Co-ed course. Tired of the same traditional PE activities? Looking for a little more adventure from your PE class? Have you ever wondered what it would be like to explore the great outdoors, or see what leisure opportunities our city has to offer?

This is your chance! This course will allow you to earn your PHE 9 credit through this course which supplements the traditional PE curriculum by giving students an opportunity to experience leisure and adventure activities as part of this course.

In the past, students have gone bowling, golfing, mini-golfing, curling, and experienced racquetball, tennis, batting cages, and judo.

In addition, students will be given the opportunity to go on many full day adventure outings offered as curricular enhancements. These opportunities will include hiking, backpacking, river rafting, camping, snowboarding/skiing, paintballing, rockclimbing, mountain biking, and many more. Participation in the adventure outings is not mandatory but why wouldn't you want to?!?!

Participation in these curricular enhancements activities are not mandatory, and therefore participation will not affect a student's grade. There is no course fee for this class. However, all expenses associated with the adventure and leisure enhancement opportunities will need to be covered by the student.

For real time pictures, videos, and descriptions of Comm Rec activities visit <https://www.facebook.com/Commrecextreme> or visit our website at [www.commrecextreme.com](http://www.commrecextreme.com)

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## **Drama 9 (DR9)**

A developmental drama program. We don't just DO plays. Major areas of development include movement, mime, speech, role-play and improvisation. In class emphasis will be placed on teamwork and concentration. The overall goal of the program is to give the student self-confidence to make presentations in class and to transfer this to onstage and stage experiences. Marks are awarded on the basis of performance and participation in class. Attendance is crucial, make-ups are impossible.

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## **Education physique et sante' 9 (PE9FI)**

Follows the same curriculum as the English track. See Physical Health and Education 9 description. This course is co-ed.

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## **English 9 (EN9)**

Focus on developing a strong base of reading, writing, speaking and listening skills. Students are also encouraged to develop critical thinking skills as well as an increasing appreciation of literature.

Please Note: EN 9 is an integrated class; there is no specifically designated EN 9 Honors.

Students may, however, achieve an honors standing within the context of the integrated class. Students will have the option of choosing challenge activities and reading materials that go beyond the demands of the regular curriculum. If they do so, and achieve a high level of performance in both their regular work and in their challenge activities, they will receive the honors designation on their report card. Honors standing must be earned each term.

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### **Entrepreneurship & Marketing 10 (MADEM10)**

Are you interested in business? Do you want to run your own business one day? If your answer is yes, this is the course for you! We learn about entrepreneurs, who they are, how they get started and how they market their ideas to you and me! Various projects are used to reinforce learning - including creating a marketing campaign with commercials, online ads & a company website! This course is essential for any student wanting to increase their knowledge of the business world!

**Note: Grade 9s may take this course.**

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### **Foods & Nutrition 9 (FDN9)**

Learn food preparation basics such as proper measuring, different types of equipment, recipe format, and safety and sanitation. Students will work through units of baking, nutritious eating, local food fair, and the things that influence how and what we eat. You will make a variety of foods with and without recipes including things such as tacos and quesadillas, muffins and scones, pizza, and much, much more!

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### **Français Langue 9 (FRAL9)**

Continuation of FRAL 8 for immersion students. Students are expected to demonstrate a working knowledge in their written competency of the present, imparfait, passé composé and plus-que-parfait tenses. In FRAL9, the grammar content will also focus on: Prepositions, Personal pronouns and agreement with the past participle, Active and Passive voice, Future tenses and conditional modes. Also, poetic devices will be introduced. The FOUR skills (listening, speaking, reading and writing) continue to be developed.

Literature: Le Lion

Recommended: Petit Larousse de poche, Bescherelle

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### **French 9 (FR9)**

**Recommended: FR 8**

This is a continuation of the communications-based program: Communiquête used in French 8. Students will revisit grammar concepts seen and practiced in French 8. As a performance-based course, oral participation and speaking French within the classroom is expected. Students struggling with grammar concepts and the ability to speak French in front of the class should not consider this course.

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### **German 9 (GE9)**

Introductory course open to Grade 9 students with the emphasis placed on oral skills and vocabulary development. Reading and writing will be taught in conjunction with each unit. The course gives the student a good foundation in basic German vocabulary and oral skills. Students with a prior knowledge of German may be moved into German 10 at the discretion of the teacher.

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**Jazz Band 9 Extended Day (JB9)**

***Recommended enrollment in Band 9***

Further development of technical skills in the area of Big Band Jazz. Instrumentation is the same as Grade 8. This is an extended day class for which the student receives extra credit. Attendance at all extra-curricular rehearsals and performances is mandatory.

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**Living and Learning with Character 10 (YIPS 10C)**

**Mandatory for all grade 9 students.**

Good character is the foundation of a strong and healthy school culture. The focus of this course will be to introduce students to the Mouat School of Character values: respect, responsibility, integrity, caring, awareness, and teamwork. In this blended course, work will be completed online, through guest speakers, school assemblies, and a bi-weekly CD9 class.

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**Mathematics 9 Foundations (MA9) (see flow chart at the end of document)**

***Recommended: Good standing in MA 8***

***An honours option is available for those students who qualify.***

Scientific calculators are required. The course includes numerical and spatial reasoning, logic, and patterns to solve puzzles and games, exponents, operations with polynomials, operations with rational numbers, two-variable linear relations, multi-step linear equations, spatial reasoning, probability and statistics, types of income and financial literacy. Students will need a solid background from Math 8 and good work habits. This course prepares students for the grade 10 Foundations & Pre-Calculus Math option.

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**Mathematics 9 Workplace (AM9W) (see flow chart at the end of document)**

***Recommended: Any Math 8***

Scientific calculators are required. There will be heavy review of previous curriculum that will allow students to cover the required material at a pace which allows for better comprehension, necessary for entry into the Math 10 Workplace option.

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**Metal Fabrication & Machining 9 (MADM-9)**

Introductory course in metal work. Students will experience metal art, jewelry design, CNC plasma cutting, decorative metal work and welding. Heavy emphasis will be placed on safe work practices and use of tools in this introductory course. Students will work both individually and in teams through various workstations.

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**Music: Concert Choir 9 Extended Day (MCC9)**

Open to all Grade 9 students who wish to sing. Students do not need previous singing experience of any kind. Students will further their understanding of the vocal mechanism and basic music theory skills. The emphasis of this course is performance of music in a variety of styles.

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**Physical Education Leadership 9 Extended Day (YPELE9)**

Extended Day; Full Year Linear Course.

***Enrollment by instructor approval.***

The grade 9-12 students in this course will work in teams to plan, promote, and run the intramural activity program during the lunch break. They also put on special activity days throughout the school year. As an extended day course, class will meet

once a week on Tuesday mornings from 7:15-8:00am.

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### **Physical Health and Education 9 Female (PHE9)**

### **Physical Health and Education 9 Male (PHE9)**

Students will participate in a variety of leisure, fitness, sport and lifestyle activities. Depending on scheduling, students will participate in the following activities: learning to run, volleyball, aerobics, softball, minor games, basketball, touch football, badminton, soccer, dance (folk, square, swing, hip-hop), weight lifting, handball, swimming, wrestling, skating, ultimate, lacrosse. Health topics include puberty, mental health, healthy relationships, on-line safety, etc.

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### **Science 9 (SC9)**

Science 9 is an exploration and activity-oriented course. You will study the physical world in a laboratory setting. Emphasis is hands-on, real-world learning experiences to enhance your appreciation for the natural world. Making observations and arriving at suitable conclusions are stressed in the experimental laboratory reports. Projects and lab activities are used whenever possible.

The major topics include:

- a) Biology - cellular reproduction including mitosis and meiosis.
  - b) Chemistry - atomic theory, chemical formulas, reactions and writing reaction equations.
  - c) Physics -Voltage, current & resistance.
  - d) Earth Science -effect of solar radiation, matter cycle.
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### **Science 9 Honors (SC9)**

The material covered will be the same as in Science 9 (see SC9 course description above) with a greater emphasis placed on critical thinking skills, process skills and enrichment. The curriculum will be covered faster allowing time for working on laboratory skills, laboratory report writing, experimental design, special projects and computer explorations. The philosophy of this course has an enrichment focus. The students will gain a stronger understanding in the foundations of science appropriate for your age level.

Space in this course is limited.

Criteria:

- minimum 86% average in SC 8
  - recommendation from SC 8 teacher
  - willingness to pursue science activities beyond the prescribed learning outcomes of the curriculum.
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### **Sciences Humaines 9 (SCH9)**

This French Immersion course follows the same curriculum as the English track. Same description as Social Studies 9.

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### **Social Studies 9 (SS9)**

This modern history course takes students on a journey from the Age of Revolutions to the Laurier Era 1750-1911. Students will learn about major international conflicts affecting Canada: American Revolution • French Revolution; major migrations & their effect on Canada; the fight for responsible government in British North America • Confederation of Canada • Settlement of western Canada; First Nations issues; and Canadian geography. This course will apply historical thinking skills to wrestle with

questions about morality and values.

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### **Textiles (TXT10) *Applied Skills***

An introductory course for Grade 9-12 students, where you will learn some basic sewing techniques, including using and fitting patterns.

Projects may include a platypus and reindeer or bunny, as well as:

1. bear with dress or overalls
2. pajamas
3. garment of your choice

Also covers some aspects of clothing selection. Note: Basic patterns, fabric and notions will be supplied. Most students will want to personalize the course and should expect a cost of \$50-\$100.

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### **Women in Tech 9 (MADW F-9)**

This is an introductory course that will introduce female students to jewelry making, woodworking, art metal, and computer controlled machines (CNC).

Being a project centered course, the students will make a variety of projects.

Some examples are:

- jewelry
  - candle holders
  - picture frames
  - yoyos, pens, bowls, goblets
  - jewelry boxes
  - stained glass
  - CNC made signs
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### **Woodwork 9 (MADW-09)**

This is an introductory woodworking course providing students with the opportunity to use the latest woodworking equipment and computer controlled machines (CNC). Safe use of hand and power tools will be heavily emphasized. Being a project -centered course, students will make a variety of projects.

Some project examples are:

- skateboards and long boards
- candle holders
- picture frames
- yoyos, pens, bowls, cups
- jewelry boxes
- household furniture
- gumball machines

**Math Department Flow Chart (on next page)**

