

Grade 9 Course Selection by Subject

3D Computer Drafting & Design 9 (TED9) (Beginners Level 1)

See Mrs. Beck's website: <http://67.231.28.168/~pbeck/DR110L/index.html>

Design your own cars, jets, houses or jewelry, with the latest 3D modeling 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. Learn drafting skills and be a part of one of the most advanced design and modeling programs in the province. The focus of this course will be creative problem solving and personal design.

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.

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.

Band 9 Beginners (BA9)

For students who have no instrumental experience.

You will be instructed in instrumental technique with the goal of playing in concert band and jazz band.

Business Education 10 (BEG10) *Applied Skills*

Available to Grade 9s

Are you interested in business? If your answer is yes, this is the course for you! Business Education 10 is an introductory business course which deals with four core Business areas: Marketing, Accounting, Entrepreneurship and Computers & Programming. Various projects are used to reinforce learning - such as online business games, creating commercials, presentations and using game-making programs. This course is essential for any student wanting to increase their knowledge of the business world!

Community Recreation 9 (YCR9)

Community Recreation...the adventure begins here.

Tired of traditional PE activities like fitness testing and shuttle runs? Looking for a little adventure? Have you ever wondered what it would be like to explore the great outdoors? Imagine standing at the top of a mountain peak looking down at the Fraser Valley. Taste the koolaid coloured water from a glacier lake. Feel your legs tire as they hold you tight to a cliff-face wondering if you can stretch your hand to the next hold. Picture the whitewater flying in front of you as you hurtle through a raging river in a

kayak, struggling to stay clear of the undertow ahead. Adjust your snowboard to the sound of a snowy wind before taking on the next double diamond. This is Community Recreation.

This course gives students an opportunity to build on their PE 9 and 10 experiences with the addition of even more real-world active lifestyle and adventure opportunities.

Selection of in-school activities will be based on student interest levels. In-school activities will include classroom sessions learning to plan and prepare for adventure activities on the snow, rock, trail, and river.

Depending on class interest, leisure opportunities in the community may be available to further classroom activities. In the past, classes that have chosen this enhancement opportunity have gone bowling, racquetball, golfing, batting cages, judo, mini-golf, curling etc. once a week to supplement their in-class leisure studies at a cost of \$60.00 a student.

In addition, students will be given the opportunity to go on many different adventure outings offered as curricular enhancements. These opportunities will include hiking or backpacking, river rafting or kayaking, camping, snowboarding or skiing, paintballing, rock climbing, mountain biking, and more. Participation in the adventure outings is not mandatory but is recommended. Non-participation will not affect a student's grade. A typical week would be similar to the PE 11/12 example.

Course evaluation will be based entirely on attendance, attitude, and participation. There is no course fee for this class. All expenses associated with the adventure and leisure enhancement opportunities will need to be covered by the student.

Adventure Opportunities

Backpacking/Hiking/Camping: Day hike to Elk Mountain

Snow Sports: Up to four days Snowboarding

River Sports: River rafting Chilliwack River; Caving Chipmunk Caves; Overnight camp-out

Rock climbing: Indoor climbing at Flashpoint

Paintball/Orienteering: Sniperz Paintball

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.

Education Physique 9 (PE9FI)

Follows the same curriculum as the English track.

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.

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!

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

French 9 (FR9)

Prerequisite: 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.

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.

Information Technology 9 (MADIT09)

All grade 9 students in BC should learn to code! Experience an introduction to computer coding with block-based programming. Create dynamic websites with HTML and Dreamweaver. Learn to keyboard **accurately**, as traditional and fun, game-based technologies are emphasized. Skills are developed in the latest MS Office software to create reports you can use through your entire high school career. This course satisfies ADST 9 requirements.

Information Technology 10 (INT10) *Applied Skills*

Available to grade 9s.

Improve your motor skills and creativity with Minecraft. Have fun while learning to design 2D animations with Flash CS6. Edit your digital photos with Photoshop CS6; design video games with GameMaker RPG-type game design. Computer programming in modular format is introduced in this course programming with Alice and Java; Finish by learning how to take a computer apart and put it together again! In Information Technology 10, students develop capabilities in learning new software interfaces that will stay with them long after the technology changes.

Jazz Band 9 Extended Day (JB9)

Corequisite: Concert 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.

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.

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

Prerequisite: Recommended MA 8 with 65% minimum(high C)

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.

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

Prerequisite: 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.

Metal Fabrication & Machining 9 (TEM9)

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.

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.

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.

Physical Education 9 Female (PE9)

Physical Education 9 Male (PE9)

Students will participate in a variety of leisure, fitness, sport and lifestyle activities depending on the instructor and the facility schedule.

Depending on scheduling and grade level students will participate in the following activities * learning to run (run/walk program) * volleyball * aerobics * softball * minor games * basketball * touch football * badminton * soccer * dance (folk, square, swing, hip-hop) * weight lifting * first aid * handball * swimming * wrestling * skating * ultimate * lacrosse

Within each activity students are generally evaluated according to three domains:

- * Affective: participation, attitude, effort, fitness: 50%
- * Cognitive: knowledge/theory/strategies: 25%
- * Psychomotor: skill building: 25%

In grade 9 and 10, students will receive instruction in the St. John's Ambulance Scene Oriented First Aid course. In grade 9 students will be instructed and tested on the theory component. In grade 10 students will receive practical instruction and testing. All students must satisfactorily complete Physical Education 9 and 10 to meet the graduation requirements of the B.C. Ministry of Education.

A fitness evaluation will take place each term.

Science 9 (SC9)

Science 9 is an exploration and activity-oriented course. Students study the physical world in a laboratory setting. 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 based assignments. The philosophy of this course is an enrichment focus. The students will gain a stronger understanding in the foundations of science appropriate for the age level. At the end of the course, a student will be granted a percentage boost (up to 5%) on their final grade based on the quality of their special project. 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. A study of the principles of democracy and the major events in European and North American history from 1500-1815. Also, includes mapping, a study of Canada's First Nations and an introduction to the regional geography of North America.

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.

Technology 9 (TEG9)

Technology 9 is an introductory course that allows students to explore areas of design, electronics, woodworking, metalwork and computer controlled machines (CNC) through design challenges. In this course students must come up with solutions to the design challenges they are given.

This class is a hands on project based course. Some of the projects that students might design and build are:

- tethered airplanes
 - CO2 cars
 - catapults and trebuchets
 - pop bottle rockets
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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.

Women in Tech 9 (TEG9F)

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 (TEW9)

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 hands 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)

Math Department Flow Chart

