

GRADE 10 COMPULSORY CORE SUBJECTS

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GRADE 10 COMPULSORY CORE SUBJECTS

ENGLISH LANGUAGE ARTS: CORE 20G (1 credit)

The Grade 10 program is designed to assist students to widen their appreciation of the English language. The program is designed to move students from the exploratory level of Grade 9 towards a greater awareness of the variables of language and communication. The program will involve students in a variety of language activities with the object of increasing student awareness of the diversity and richness of language.

Since the course must accommodate a wide spectrum of students who may have varying levels of language skills, the content will be broad in character and students may encounter a wide variety of materials, such as short prose, novels, drama and poetry as well as visual material such as movies and documentaries. Written and oral communication skills are both stressed.

GEOGRAPHY 20G (1 credit)

North America: A Geographic Perspective. The intent of the course is to examine the characteristics of the physical and social environments of North America, with an emphasis on Canada, and to analyze the interrelationship and interaction between these two environments. The intent is also for students to develop a greater understanding of the physical and cultural diversity; pattern of settlement and livelihood; regional disparity; resource distribution and management; impact of urbanization and industrialization on the physical and social environment; and, to explore the relationship and interdependence of Canada and the USA and its implications, as well as the relationship and dependence of North America to the rest of the world.

ONE OF:

APPLIED MATHEMATICS 20S (1 credit)

Senior 2 Applied Mathematics 20S is one of the two curricula available for students planning to pursue post-secondary studies in mathematics and science. This curriculum is particularly directed to students planning to enter science, engineering, or the high-tech world of work. The other is Senior 2 Pre-Calculus Mathematics 20S. Senior 2 Applied Mathematics 20S is data-driven. Students collect data in experiments and activities, and develop mathematical concepts from analyses of that data:

The components of the curriculum emphasize:

-technical communication-use of technological equipment such as calculators, graphing calculators, and computers

-use of spreadsheets

-specialized measuring devices, including micrometers and calipers

Topics include:

1. Use of spreadsheets
2. Technical communication
3. Exploring Mathematics Using Technology
4. 2D/3D Projects
5. Linear Models and Patterns
6. Relations and Functions
7. Co-ordinate Geometry
8. Measurement Technology
9. Trigonometry
10. Data Management

CONSUMER MATHEMATICS 20S (1credit)

Grade 10 Consumer Mathematics 20S is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Grade 10 Consumer Mathematics 20S is a course emphasizing consumer applications, problem solving, decision making, as well as number sense and number use.

Topics include:

1. Problem Analysis
2. Recreational Mathematics
3. Spreadsheets
4. Wages and Salaries
5. Trigonometry
6. Spatial Geometry
7. Problem Analysis
8. Recreational Mathematics
9. Consumer Decisions
10. Geometry Project
11. Personal Banking
12. Probability and Sampling

PRE-CALCULUS MATHEMATICS (1 credit)

Grade 10 Pre-Calculus 20S is designed for students who intend to study calculus and related mathematics as part of their post-secondary education.

The course comprises, primarily, a high-level study of theoretical mathematics with an emphasis on problem solving, mental mathematics, as well as cumulative exercises and testing.

Students are required to learn mathematical concepts through practice and regular homework. Many of the exercises and problems are expected to be original or different from those presented in class.

Topics include:

1. Polynomials
2. Analytic Geometry
3. Trigonometry
4. Exponents and Radicals
5. Geometry
6. Rational Expressions and Equations
7. Functions
8. Statistics and Probability
9. Variation and Sequences

SCIENCE 20S (1 credit)

The Science 20S Course is designed to prepare students for courses such as Physics, Chemistry, and Biology at the 30S Level. The course emphasizes the gathering and manipulating of data, and the development of Scientific processes through investigation. Students must work and think independently and must also have an aptitude for abstract reasoning.

PHYSICAL EDUCATION 20G (1 credit)

This compulsory course consists of a physical education component(gym) and a health component(classroom). Each component represents 50% of the student's final grade. The Phys Ed component consists of five activity units each lasting approximately one month. A variety of activities will be offered depending on class size, weather, and availability of equipment and facilities. Every attempt will be made to assure that activities covered in 10G are not repeated in 20G. The health component consists of five instructional units including responsibility to self and others, contributing to community, responsible sexual behaviour, mental health and transitions.

GRADE 10 SUPPLEMENTARY SUBJECTS

ART 20G (1 credit)

It is the purpose of this course to introduce and identify concepts of art process for the beginning artist. Elements and principles of design, subject matter, style and

commercial application are some of the artistic questions examined and explored by means of a series of practical projects.

(Portraits & Abstracts)

- Fee: \$10.00
- Gesture Drawings (Twice a year)
- Drawing Unit (Basic Skills, 2 point perspectives, 12 techniques object drawing, pencil crayon abstract, colour wheel, portraits)
- Pen & Ink (Pointillism – abstract or realism)
- Painting Unit (Acrylic & Watercolour, mixing, monochromatic, abstract, shaped canvas painting, painting exercise, 7 techniques)
- Sculpture Unit (Concept Drawings, Cubes, Paper buildings, abstract & monochromatic paper, Paper Mache, Plaster 500ml)
- Multi-media final project (MUST be 3 types of media & expressing knowledge of Principles/Elements of Art)
- Art appreciation (4 styles of art, Focus on REALISM & ABSTRACT, Elements & Principles, Group of Seven, Project on favourite artist)
- Art History (Roman – Renaissance)

Homework: One sketch per week in sketchbook

BAND 25G (1 credit)

The Grade 10 Band Program is open to any student who has completed at least three years of instruction on a Concert Band instrument (eg. Brass, Woodwind, Bass, or Percussion) Students with less than three years of formal instruction may join the program with the permission of the instructor. The program will provide students with the opportunity to improve their playing skills in a Full band and Small Ensemble setting. Students will continue with theory as well as basic arranging skills. Students participating in the Band Program will be expected to perform at various concerts and school functions during the year.

DESKTOP PUBLISHING25S (1/2 credit course)

Students expand skills learned and applied in Print Communications to learn how to attractively set-up pages with pictures and text, appropriate for the school yearbook.

DIGITAL PICTURES AND FILMMAKING (2 x 1/2 credits = 1 credit)

This half-credit course is paired and offered with Filmmaking. Digital Pictures 25S is designed to provide students with the skills and knowledge to communicate messages through images. Possible topics to be covered include introduction to images, buying media, capturing still images, working with lighting, working with frames, understanding

photo management, manipulating images using software tools, displaying graphic images, and critiquing images. Some yearbook page production may be involved.

Filmmaking will involve movie planning through storyboard and script writing. The use of digital video cameras with imovie and moviemaker to produce short films and commercials.

DRAFTING 20G (1 credit)

This course is designed to develop an understanding and skill in the use of tools, techniques and processes used to draw various typed of drawings, such as pictorial and orthographic. Drawing interpretation, multi-view drawing and dimensioning along with geometric application are used to build the student's knowledge of technical drawing.

Lab Fee \$10

FRENCH 20G (1 credit)

This course provides a content or theme based approach to the learning of a second language. Students are encourage to interact with the teacher and with one another in a communicative context on themes and subjects that are considered to be of interest to them. Aside from oral interaction and presentations, students will learn reading skills and will learn vocabulary and grammatical structures for the written language.

Pre-requisite: French 10G

HOCKEY 21G

The aim of this course is to provide a unique program of study to meet the individual needs of highly motivated students. The learning outcomes will be delivered by a variety of meaningful instructional strategies.

This course is being offered to meet an emerging need for the development of sports school programs in Canada. This course will allow students at Teulon Collegiate to have access to an intense program of hockey instruction based on Theory, Technical and Dryland Training Units.

Dryland: Weight Training, skill stations, circuit training, cross training and fitness training.

Theory: Study of International Hockey, Issues in Canadian Hockey, Sports Psychology as well as other topics.

Technical: Fundamental Skill Development, Power Skating, Individual Tactics, Team Tactics, Position Specific Skills and Strategies, Team Play Systems and Special Team Systems.

Students can take this course each year grade 9 to 12 and if they did not take the class

the previous year they can still take hockey for the grade level they are at. This course is geared to the individual and what level of play they are at when they take the course. Many Students have found the class beneficial to improving their individual hockey skills.

HOME ECONOMICS 20G (1 credit)

A. Foods and Nutrition

This course emphasizes nutrition through Canada's Food Guide to Healthy Eating and improved skill in planning and preparing meals.

B. Clothing and Textiles

The major objectives of this course are to develop interest and skill in working with fabric, study the relationship between clothing and personal appearance, values and goals in clothing selection, elements and principles of design, textiles, and wardrobe planning. Students are responsible for purchasing fabric, pattern and notions required for projects.

Fee - \$15.00 & project cost

OUTDOOR WILDERNESS EDUCATION (OWE) 21G

Rationale: Outdoor Wilderness Education 21G

Given our students geographical location they are exposed to a variety of outdoor experiences. Therefore, it is important that our students gain the knowledge, skills, and attitudes for lifelong participation in the outdoors.

Student learning Outcomes

Module 1: Outdoor Survival Skills

Students will demonstrate proficiency in various outdoor survival skills

Module 2: Food Collection and Preparation

Students will describe a variety of methods to collect, prepare, and cook food in the wild.

Module 3: Outdoor Environment Navigation

Students will demonstrate the knowledge and skills to safely and responsibly navigate the outdoor environment.

Module 4: Stewardship of the Outdoor Environment

Students will demonstrate an appreciation for minimum impact travel while in the backcountry.

PRINT COMMUNICATIONS 25S: (1/2 credit)

Students learn the skills necessary to plan and produce the text portion of print and electronic documents, appropriate for the school yearbook.

RETAILING 20S

“This course introduces you to the dynamic field of retailing. You will learn about the various activities involved in selling goods or services directly to consumers. You will also review retailing from a management perspective. This course will require participation in a school store and/or a group project involving creating, advertising, and selling a product/consumable item.”

WOODWORK TECHNOLOGY 20G (1credit)

The woodworking portion is a continuation of the senior one program. The major power tools are reviewed as far as safety and procedure are concerned. A small compulsory project (step stool) is used to introduce advanced woodworking concepts.

Students are required to have safety glasses These may be purchased from the instructor.

Lab Fee: \$20