



COURSE DESCRIPTIONS
SENIOR COURSES (Grades 10, 11, & 12)

Required Courses: *Provincial exam is required	Credits Required	Comp.? (% / %)
Language Arts 10 *	4	
Language Arts 11	4	
Language Arts 12 *	4	
Social Studies 10	4	
Civilization 11 or Social Studies 11, or First Nations Studies 12 *	4	
Science 10 *	4	
Science 11 or 12	4	
Mathematics 10 *	4	
Mathematics 11 or 12	4	
Physical Education 10	4	
Planning 10	4	
Applied Skills or Fine Arts 10, 11 or 12	4	
Graduation Transitions 12	4	
Total Required Credits	52	
Grade 10-12 Elective Credits	28	
TOTAL CREDITS	80	Grade 12 (must be 16+ credits)

BC to AB equivalencies

REQUIRED COURSES

- *These twelve courses are REQUIRED to receive the BC Dogwood diploma. In addition to these required course students need at least eight (8) more ELECTIVE courses.*
- *In total at least four (4) courses, not including Graduation Transitions 12, must be at the grade 12 level.*

Language Arts:

ENGLISH 10 (Pre-requisite: English 9)

This course involves a considerable amount of writing in order to continue growth of both written and spoken language. Students will explore poetry, short stories, novels, essays, and drama and will make oral presentations related to these topics. Spelling, sentence structure, and grammar are also studied. ***This course concludes with a Ministry of Education provincial exam worth 20% of the final mark.***

ENGLISH 11 (Pre-requisite: English 10)

Students will be introduced to reading, writing and speaking skills at an academic level. Reading and writing assignments to develop the student's ability to read, speak and write with confidence and competence are emphasized. Students will learn how to apply literary terminology and to read critically works of various genres, including the short story, the novel, drama (modern and Shakespeare), poetry and the essay.

ENGLISH 12 (Pre-requisite: English 11)

Students will further develop their reading, writing and speaking skills. The emphasis will be on reading and writing assignments, especially expository essays and paragraphs. Students will also further refine their critical reading skills. ***This course concludes with a Ministry of Education provincial exam worth 40% of the final mark.***

- ***Instead of English 11 or 12, students can choose Communications 11/12, but these do not meet the high school pre-requisites for university and some trades programs. (See Mr. Wilson for more information.)***

COMMUNICATIONS 11 (Pre-requisite: English 10)

This course is designed for those students wishing to go directly into the workforce after graduation, or attend College for some programs. Students will develop basic reading and writing skills.

COMMUNICATIONS 12 (Pre-requisite: English 11 or Communications 11)

A continuation of Communications 11 focusing on reading and writing skills needed for the workplace. ***This course concludes with a Ministry of Education provincial exam worth 40% of the final mark.***

ENGLISH FIRST PEOPLE'S 12 [details to be added]

Physical Education:

PHYSICAL EDUCATION 10 (Pre-requisite: PE 9)

The year consists of 10 units which vary in length from 3-5 weeks. Students are provided with an opportunity to choose some of their units in order to plan a program which best suits their interests and needs. Other units are determined by the instructor to ensure all curriculum requirements are met. A change into sportswear and runners is required.

Mathematics:

APPRENTICESHIP & WORKPLACE MATHEMATICS 10 (Pre-requisite: Math 9)

This pathway is specifically designed to provide students with the mathematics and critical-thinking skills identified for entry into the majority of trades at post-secondary and for direct entry into the workplace.

This course concludes with a Ministry of Education provincial exam worth 20% of the final mark.

OR

FOUNDATIONS OF MATHEMATICS and PRE-CALCULUS 10 (Pre-requisite: Math 9)

This pathway is designed to provide students with the mathematics and critical-thinking skills identified for entry into post-secondary studies. Most students will choose this pathway. ***This course concludes with a Ministry of Education provincial exam worth 20% of the final mark.***

APPRENTICESHIP AND WORKPLACE MATH 11 (Pre-requisite: Foundations of 10 or Apprenticeship and Workplace 10)

This pathway is designed to provide students with the applied mathematics used in some trades and/or to complete the grade 11 mathematics requirement necessary to graduate. **See Mr. Wilson for specific program pre-requisites. *This course concludes with a Ministry of Education provincial exam worth 20% of the final mark.***

OR

PRE-CALCULUS 11 (Pre-requisite: Foundations of Mathematics and Pre-Calculus 10)

This pathway is designed to provide students with the mathematics and critical-thinking skills identified for entry into post-secondary studies. **See Mr. Wilson for specific program pre-requisites.**

Most students will choose this pathway. ***This course concludes with a Ministry of Education provincial exam worth 20% of the final mark.***

Social Studies:

SOCIAL STUDIES 10 (Pre-requisite: Social Studies 9)

Social Studies 10 focuses on the development of Canada as a nation in the 19th century. Studying Eastern Canada covers immigration, the Rebellions of 1837, the achievement of Responsible Government and Confederation. Western Canada covers the Red River Colony, NWMP, Metis uprisings and the building of the railway. Physical geography and themes in BC geography are also dealt with.

SOCIAL STUDIES 11 (Pre-requisite: Social Studies 10)

Social Studies 11 builds on the study of Canada in Socials 9 and 10, which covered the 16th Century through to the 20th Century. Major events of the 20th Century decades are examined for their influence on and in relationship to present day Canada. ***This course concludes with a Ministry of Education provincial exam worth 20% of the final mark.***

OR

BC FIRST NATIONS 12 (Pre-requisite: Social Studies 10)

This course explores the history and contemporary issues related to First Nations people in BC and Canada.

Sciences:

SCIENCE 10 (Pre- or Co-requisite: Science 9)

This is a general science course exploring Biology, Chemistry, Physics and Geology. Four areas are investigated: Understanding Reproduction, Harnessing Energy, Investigating Matter, and Earth Science. ***This course concludes with a Ministry of Education provincial exam worth 20% of the final mark.***

- **AND at least ONE (1) Grade 11 or Grade 12 Science is required to graduate**

BIOLOGY 12 (Pre-requisite: Grade 11-12 status)

This is a more advanced course in Biology. Human Physiology, Cell Biochemistry, & Cell Ultra Structure are the units of study.

CHEMISTRY 11 (Pre- or Co-requisite: Science 10)

This is an introductory course in Chemistry aimed at providing the student with a better understanding of today's world. Chemistry 11 involves the study of: Atomic Theory, Chemical Reactions, the Physical States of Matter, the Periodic Table, Chemical Calculations and Organic Chemistry.

PHYSICS 11 (Co-requisites: Foundations of Math 10/11 or Pre-Calculus 11)

This is an introductory course in Physics aimed at providing the student with a better understanding of today's world. Physics 11 involves the study of: Kinematics (the study of motion), Vectors, Waves, Relativity, and the study of Light and its Properties.

SUSTAINABLE RESOURCES 11 (Pre-requisite: Science 10)

Sustainable Resources 11 is an introductory course that describes the relationships between society & forest ecosystems, as well as identifying essential elements required for forest management & the creation of forest products. This course will satisfy the Science 11 graduation requirement.

Other Required Courses:

PLANNING 10

Planning 10 is a mandatory course. Topics to be covered include introduction to graduation portfolios, graduation requirements, career and education research, financial planning and healthy decision making. Topics included will assist students with career awareness and exploration, as well as preparation and planning for post-secondary studies.

GRADUATION TRANSITIONS 12

This course will not be programmed into the regular timetable. This course includes a mandatory 30 hours of work experience and research and consultation about post-secondary choices and application. A presentation and exit interview must be completed by each student.

ELECTIVES

- In addition to the required courses students need at least eight (8) more ELECTIVE courses.
- While 20 courses (80 credits) is the minimum needed, most post-secondary programs will require more courses, and often specific courses. SEE MR. WILSON FOR DETAILS.
- *At least one (1) grade 10, 11 or 12 course must be a FINE ARTS or APPLIED SKILLS*

FINE ARTS AND APPLIED SKILLS

- *At least one (1) grade 10, 11 or 12 course from this category is required to graduate.*
- *Divided into "Fine Arts, Design and Media" or "Trades and Technology"*

FINE ARTS, DESIGN AND MEDIA

ART FOUNDATIONS 11

Students will use Art as a vehicle for creative communications. Students will explore careers in Art and create a portfolio. Both 2 and 3 dimensional artwork will be studied. Students will experiment in as many different media as possible in order to find the range of possibilities for expression.

ART FOUNDATIONS 12

Students will use Art as a vehicle for creative communication. An appreciation for creative problem solving will be encouraged. Using a mixture of media and styles in both 2 and 3 dimensional artwork is a major goal. Careers in Art will be explored. A portfolio will be developed by each student.

CHORAL MUSIC 10, 11 & 12: CONCERT CHOIR

Choir is a full year (100 hour) course and is based primarily on performance through the development of choral singing skills and public performance. Students will be expected to perform at concerts several times a year and perhaps travel to perform at music festivals in the spring. Beginners as well as experienced students are welcome.

CREATIVE ARTS 12

This course is a blend of creative writing and visual arts. While skills in one or both would be nice, any student is welcome as long as he/she has a strong INTEREST in one or both,

INSTRUMENTAL MUSIC 10, 11 & 12: CONCERT BAND

Band is a full year course (100 hours) based primarily on performance through instrumental skill development and musical performance. Students will be expected to perform at concerts several times a year and perhaps travel to perform at music festivals in the spring. Beginners, as well as experienced students, are welcome.

BA DIGITAL MEDIA 11

In this course students explore the various facets of digital photography and video, including editing and production.

VISUAL ARTS 10: GENERAL

The Grade 10 year covers art concepts and each student's technical skills. More time is given to independent interest in selected art areas. Model making, sculpture, pottery, carving, painting, drawing, and graphics are covered in more depth.

TEXTILES 10, 11 and 12

Students will explore the use of fabrics and develop their creative and practical skills to create a variety of personal items.

TRADES AND TECHNOLOGY

BA AUTOMOTIVE TECHNOLOGY 11

The Auto Mechanics course is designed for students wanting to enhance skills related to the mechanical field; such as automotive, heavy duty, marine, small engines, etc. The course will be divided into two parts, theoretical & practical with an emphasis on safety in an industrial environment. The theoretical part of the course will cover several areas of mechanical diagnosis, service and repair; each area will be supplemented by practical labs. Specific tasks will be recorded in a student log book which may be applied to post-secondary trades training or apprenticeship in the various fields.

BA AUTOMOTIVE TECHNOLOGY 12

Auto Mechanics 12 is a continuation of AT 11.

CARPENTRY & JOINERY 11

This course introduces students to the theories and practices of cabinetry including power hand tools use, project management and construction techniques. Students will construct a large cabinet and some other articles of furniture. Students will be expected to pay for materials for projects they will keep. Joint types and modern construction methods and techniques will be explored. This course is an excellent choice for students considering a career in wood technology, construction, or cabinetry.

CARPENTRY & JOINERY 12

This course will introduce students to the practices, principles and theories of residential framing and house construction. Development of proper worksite practices, application of construction standards and safe and correct use of equipment will be explored. Construction of a stick-frame building completes the course. Students will pay for materials for projects that they keep.

FOODS & NUTRITION 10, 11 & 12

Students will focus on planning and preparing nutritious food for various situations, considering social, economic and health factors that affect food choices. Specialty flour mixtures, ethnic dishes and group projects will challenge student thinking and skill development. Students investigate specialty diets and international cuisine with an emphasis on safe food practices and aesthetic presentation.

METAL FABRICATION & MACHINING 11 (Pre-requisite: Metalwork 9/10 preferred)

Advanced skills are taught involving the lathe, milling machine, and welding practices. A major project is required from each student for successful completion of the course. Some essential aspects of the technology are presented but the course is predominantly practical in nature. Costs of materials are the students' responsibility.

METAL FABRICATION & MACHINING 12 (Pre-requisite: Metal Fabrication & Machining 11)

Individually selected projects are used to provide the opportunity for more experience in the use and care of machine tools. The student will have a variety of practical experience and unusual techniques from which to select those most suited to his ability and interest. Students are encouraged to participate in the design of a major project.

TECHNOLOGY EDUCATION 10: MECHANICS

This course studies small engine service, maintenance and repair. Theoretical and practical skills will emphasize the areas of mechanical, electrical and fuel systems, cooling and lubrication systems, diagnosis, preventative maintenance and shop safety. Practical labs will involve the use of two and four stroke cycle engines. A good portion of the course is set aside for individual student project work. Students will build a solid foundation in mechanics and be prepared for further studies in YATT 11A.

TECHNOLOGY EDUCATION 10: METALWORK

This is an introductory metalwork course focusing on machining techniques. Students will be taught to measure and machine to industrial tolerances. Student designed projects are encouraged, subject to the instructor's approval.

TECHNOLOGY EDUCATION 10: WOODWORK

This course is open to all students in Grade 10. TEW 10 will be a course to familiarize students with basic hand skills and machine techniques. The student is expected to learn to demonstrate a reasonable degree of skill in the basic operation of cutting, shaping, fitting and turning wood articles on machine tools, be totally aware of the safety procedures and learn finishing techniques which can be used on wood products. Students must be prepared to meet the cost of materials for projects.

WELDING 12

This course is designed for students wanting to improve the welding skills they started to develop in WELD 11 using commonly used practices. Skills covered in WELD 11 are further refined. Students will be required to complete a minimum number of welding and cutting modules. Log books will need to be maintained. As time permits some student initiated project work may be worked on.

FITNESS AND RECREATION

HOCKEY SKILLS PROGRAM 10, 11 & 12 (application required)

The Hockey Skills Program has been developed to offer student hockey players, both male and female, as an opportunity to further improve their hockey skills by a trained professional. Participants will develop individual hockey skills, individual and team tactics, off-ice training specific to hockey.

BA OUTDOOR EDUCATION 10, 11 & 12 (Pre-requisite: PE 10)

This course will focus on leadership, goal setting and outdoor recreation skills through a variety of activities both during regular instructional time and outside of the school. Learning outcomes will focus on life-long health and safety skills, using outdoor equipment and technology and relating activities to the tourism and ecotourism industries.

PERSONAL FITNESS 11 (application required)

Personal Fitness is for students who choose not take PE 11/12 due to timetabling conflicts or because they prefer to exercise in a more individual/independent manner. Course content promotes life-long physical activity through a variety of topics while integrating the 150 minutes of week of physical activity required for DPA. There is an application form and a selection committee for this course.

PHYSICAL EDUCATION 11 (Pre-requisite: PE 10) & PHYSICAL EDUCATION 12 (Pre-requisite: PE 11)

The senior PE curriculum is organized into three main categories: Active Living, Movement and Social Responsibility. The aim of the PE curriculum is "to enable all learners to enhance the quality of life through active living." Career path decisions related to sport, recreation and leisure services are fostered through practical experiences gained both in the classroom and outside the school setting.

STRENGTH & CONDITIONING 10, 11 & 12

This course has been developed for those students wanting a more comprehensive course in modern strength and conditioning principles. Students will learn principles in such techniques as weight training, agility, balance training, nutrition and energy system usage and apply them to a self-designed program suited to their specific conditioning needs.

HUMAN SERVICES and CAREER EXPLORATION

BA LEADERSHIP 10, 11, & 12

The Leadership class is a unique opportunity for students to develop leadership skills in an environment that fosters cooperation, service and commitment. The students in this class are expected to develop leadership skills such as organization, initiative, motivation, public speaking, representation and advocacy through school and community-wide, student-led projects.

INDEPENDENT STUDIES (application required)

Students will choose and develop a project in consultation with a mentor. Rigorous projects help students learn key academic content and practice 21st Century Skills (such as collaboration, communication & critical thinking). The project may be an extension of existing curriculum or may be outside of regular school instruction. The project must take about 100 hours to complete and will result in a final presentation to a panel.

INTRODUCTION TO TRADES (competitive application procedure)

Working with the College of the Rockies students will be exposed to several trades in order to build skills and provide insight into potential career paths. Several certificates will be earned and the student's mark is dependent on successful completion of all modules and certifications. **Space is limited to 12 students who must apply. Preference will be given to grade 11 and 12 students with applied skills experience and a good attendance history at GSS.**

PEAK Emergency Response Training (application required)

This course provides students with the training necessary to become Ski Patrollers, including first aid and emergency response. Students who successfully complete the course will receive an internationally recognized certificate. **Interested students should speak to Mrs. Trask to discuss eligibility requirements.**

TEACHER ASSISTANT (application required)

Interested students will work with a teacher to provide classroom support.

WORK EXPERIENCE 12

This course provides students with an opportunity to explore a career or interest. It requires students to give 100 hours of **UNPAID** work experience, preceded and followed by some school-based activities. **Students must be in grade 12 and must be able to transport themselves to and from the worksite. All placements must meet School District No. 6 requirements. See Mr. Wilson for details.**

MATH and SCIENCE

BIOLOGY 12

This is a more advanced course in Biology. Human Physiology, Cell Biochemistry, & Cell Ultra Structure are the units of study.

CALCULUS 12 (Co-requisite: Must take Pre-Calculus 12 concurrently)

This course encompasses most of the topics usually presented in First Year Calculus courses offered at post-secondary institutions. Any student who intends to study Calculus after graduation should seriously consider taking Calculus 12. The regular classroom program is supplemented by extra lessons to prepare interested students for the Advanced Placement Calculus examination.

CHEMISTRY 12 (Pre- or Co-requisite: Chemistry 11)

This is a more advanced course in Chemistry. The following topics are covered: Reaction Rates, Chemical Equilibrium, Solubility, Acids/Bases/Salts, and Reduction/Oxidation.

FOUNDATION OF MATHEMATICS 12 (Pre-requisite: Pre-Calculus 11)

This is a required course for admission into many university social science and humanities, as well as some trade and technical programs. **See Mr. Wilson for specific program pre-requisites.**

PRE-CALCULUS 12 (Pre-requisite: Pre-Calculus 11)

This is a required course for admission into many post-secondary science/math programs, health sciences, and some business programs. It will also give students the background they will need if they continue on with the study of Calculus. **See Mr. Wilson for specific program pre-requisites.**

PHYSICS 12 (Pre-requisite: Physics 11)

This is an advanced course in Physics intended for students who are considering a post-secondary career in the Sciences or Engineering. It deals for the most part with the topics of Force and Motion, Gravitation, Energy, Electricity and Magnetism. Computer simulations are used to reinforce concepts.

ADVANCED PLACEMENT (AP) SCIENCE/MATH COURSES

Students may take:

- AP BIOLOGY 12,
- CHEMISTRY 12, AND
- CALCULUS 12.

These courses are taken in conjunction with the regular, grade 12 course and are not considered SEPARATE courses. **See Mrs. Trask for details.**

SOCIAL SCIENCES/HUMANITIES

- ***N.B. Some post-secondary schools differentiate between “academic” and “interest-based” social sciences for entrance requirements.***

ACADEMIC:**FRENCH 10 (Pre-requisite: French 9)**

This course uses a communicative approach to further French language skills with the “Entre Amis” program using a variety of learning resources including music, print materials, presentations, and videos.

FRENCH 11 (Pre-requisite: French 10)

The program continues with "En Direct I." Students will develop their listening, speaking, reading and writing skills. Students will distinguish between the use of the imperfect and passé composé in narration and description and know the conditional and pluperfect (plus-que-parfait) forms of regular and irregular verbs.

FRENCH 12 (Pre-requisite: French 11)

The program continues with “En Direct II.” Grammatical structures are reinforced. Vocabulary is extended with emphasis on French idioms. Writing in French is extended to advanced composition and analysis. The cultures of Canada and France are studied in French through reading and discussions of prose, poetry and journalistic pieces.

GEOGRAPHY 12 (Pre-requisite: Grade 11-12 status)

This course can be taken in Grade 11 or 12. This course is divided into two parts, physical geography (70%) and environmental relationships (30%). Special emphasis is placed upon the economy, development and environmental problems of BC.

HISTORY 12 (Pre-requisite: Grade 11-12 status)

History is an academic grade 12 course that explores the major events of the 20th century from WW1 to the collapse of the USSR. Much of the class is directed at post-secondary preparation but done in a way that is accessible to all learners. Some of the skills include research and source analysis, critical thinking, debating, and academic essay writing with proper citations.

INTEREST-BASED:

COMPARATIVE CIVILIZATION 12 (Pre-requisite: Grade 11-12 status)

This course is a study of civilizations through their history, art, architecture and philosophy.

LAW 12 (Pre-requisite: Grade 11-12 status)

This course may be taken in Grade 11 or 12. The course is designed to deal with those aspects of our legal system which the student is likely to encounter, with the emphasis on rights and obligations. This will include criminal law and civil law.

BA PSYCHOLOGY 12 (Pre-requisite: Grade 11-12 status)

Psychology 12 is an introductory course which will investigate the following topics through classroom activities, projects and guest speakers: Schools of Psychology, the Brain, Perception, Learning, Thinking and Memory, Personality, Psychological Disorders, Psychotherapies, and Developmental Disorders.

BA INTRODUCTON TO SPANISH 11

This course introduces students to the basics of the Spanish.

FRENCH IMMERSION

In order to graduate with the diplôme de fin d'études secondaire en Colombie-Britannique, a French Immersion student must successfully complete:

- **FRAL 10, FRAL 11, and FRAL 12**
- **three more French electives, at least one of which must be at the grade 11 or 12 level**

ECONOMIE DOMESTIQUE 10 : ALIMENTATION

Students will explore a variety of food experiences *en français*. Through discussion, research and the preparation of diverse recipes, students will come to appreciate international tastes and cultures. Students will produce meals under supervision - independently and in groups - developing life skills for healthy life style. Course content supports the graduation focus areas of tourism, hospitality and foods.

FRANCAIS LANGUE 10 (Pre-requisite: Français Langue 9)

French literature and composition are studied and analyzed in more detail. Oral work and presentations are also emphasized. The elements of the language are practiced in depth.

FRANCAIS LANGUE 11 (Pre-requisite: Français Langue 10)

Français Langue 11 is the continuation of FRAL 10. Studies in grammar, vocabulary (idiomatic expressions) and composition will be emphasized. Students will study literature, including "La route de Chlita" by Michele Marineau.

FRANCAIS LANGUE 12 (Pre-requisite: Français Langue 11)

Students will complete the requirements for their Dual Dogwood certificate by refining writing skills (grammar and writing descriptions, narrations and dissertations) and through literature studies. Oral skills will be developed through presentation. ***This course concludes with a Ministry of Education provincial exam - oral and written - worth 40% of the final mark.***

PLANIFICATION 10

This course may be offered through Distance Learning. It is a mandatory course for graduation. Topics to be covered include introduction to graduation portfolios, graduation requirements, career and education research, financial planning and healthy decision making. Topics included will assist students with career awareness and exploration, as well as preparation and planning for post-secondary training.

SENIOR FRENCH IMMERSION ELECTIVE (TBD)