



**COURSE DESCRIPTIONS**  
**SENIOR COURSES (Grades 10, 11 and 12)**  
**2022-2023**

**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 CLC 12, must be at the grade 12 level.*

**Language Arts:**

**Language Arts 10**

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.

**Language Arts 11**

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.

**Language Arts 12**

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.

**Physical Education:**

**PHYSICAL EDUCATION 10**

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:**

### **GRADE 10**

#### **WORKPLACE MATHEMATICS 10**

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.

**OR**

#### **FOUNDATIONS OF MATHEMATICS 10**

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.

### **GRADE 11**

#### **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..

**OR**

#### **FOUNDATIONS OF MATHEMATICS 11**

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.

**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.

Most students will choose this pathway.

### **GRADE 12**

#### **FOUNDATIONS OF MATHEMATICS 12**

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.

**OR**

#### **PRE-CALCULUS 12**

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.

**OR – see next page**



## **CALCULUS 12**

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.

## **Social Studies:**

### **SOCIAL STUDIES 10**

Social Studies 10 focuses on the development of Canada throughout the 20<sup>th</sup> Century. Topics include World War 1, the Great Depression, World War II, and Canada during the 1950-1990's.

### **SOCIAL STUDIES 11 ELECTIVE**

One elective from the Social Studies 11 section is required for graduation. See the elective courses section for more details.

## **Sciences:**

### **GRADE 10**

#### **SCIENCE 10**

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.

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

### **GRADE 11**

#### **LIFE SCIENCES 11**

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

#### **OR**

#### **CHEMISTRY 11**

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.

#### **OR**

#### **PHYSICS 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.



## **GRADE 12**

### **ANATOMY AND PHYSIOLOGY 12**

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

**OR**

### **CHEMISTRY 12**

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

**OR**

### **PHYSICS 12**

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.

## **Other Required Courses:**

### **CAREER-LIFE EDUCATION 10 & 11 or EDUCATION DE LA VIE DE CARRIERE 10 & 11**

CLE 10 and 11 are mandatory courses. 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.

### **CAREER-LIFE CONNECTIONS 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 mandatory capstone presentation must be completed by each student.

### **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.**



## **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, TECHNOLOGY**

##### **ART STUDIO 10 & 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 STUDIO 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.

##### **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.

##### **DRAMA 10-12**

Different elements of dramatic performance and theatre design are explored in this course. Students will learn the different aspects of live performance as well as theatrical production.

##### **MEDIA DESIGN 10-12**

Students will explore various facets of digital photography, video production, website design as well as other digital platforms including social media. The development of digital technologies will also be explored.

##### **COMPUTER PROGRAMMING 10-12**

Students will explore various coding languages and learn how to use the languages to create a variety of tasks.



## **TRADES AND TECHNOLOGY**

### **AUTOMOTIVE TECHNOLOGY 10 & 11**

These separate Auto Mechanics courses are designed for students wanting to enhance skills related to the mechanical field; such as automotive, heavy duty, marine, small engines, etc. The courses will be divided into two parts, theoretical & practical with an emphasis on safety in an industrial environment. The theoretical part of the courses 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.

### **AUTOMOTIVE TECHNOLOGY 12**

Auto Mechanics 12 is a continuation of AT 11.

### **WOODWORK 10 & 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.

### **WOODWORK 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.

### **HOME ECONOMICS 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.

### **METALWORK 10 & 11**

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.

### **METALWORK 12**

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.

### **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**

### **OUTDOOR EDUCATION 10, 11 & 12**

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.

### **OUTDOOR EDUCATION ACADEMY 10-12**

Second semester **ONLY**. A **fee of \$750** applies and includes costs of certifications. Students will receive credit for four courses at your grade level including Outdoor Education, Physical Education, Media Design, and English. This is a full time course that runs the entire semester. An application is required.

### **ACTIVE LIVING 11 & ACTIVE LIVING 12 (PE 11&12)**

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.

### **FITNESS & 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.

### **PHYSICAL & HEALTH EDUCATION : YOGA 10-12**

### **LIFEGUARD ACADEMY 10-12**

This program is offered in conjunction with the Town of Golden Aquatic Centre. Students receive certifications to become an accredited lifeguard.



## **SOCIAL SCIENCES/HUMANITIES**

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

### **ACADEMIC:**

#### **FRENCH 10 / FRANCAIS LANGUE SECONDE 10**

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 / FRANCAIS LANGUE SECONDE 11**

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 / FRANCAIS LANGUE SECONDE 12**

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**

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**

History is an academic grade 12 course that explores the major events of the 20<sup>th</sup> 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:**

#### **LAW 12**

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.

#### **PSYCHOLOGY 12**

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.

#### **PHILOSOPHY 12**

Philosophy 12 investigates major issues in philosophy and the relevance of these ideas for everyday life. It also examines current social and political issues. Different ideas and systems of thought are also examined along with different philosophical perspectives and the philosophers who developed them.





## **FRENCH IMMERSION**

In order to graduate with the *diplome 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**

### **FRANCAIS LANGUE 10**

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**

Francais 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**

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.

### **EDUCATION de la VIE de CARRIERE**

This course 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)**