

École Duchess Park Secondary

Planning & Course Description Guide

Grades 9-12

2019 - 2020



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WELCOME!

The staff of École Duchess Park Secondary extends a warm welcome to students and parents new to and returning to our school in the coming year. We are pleased to offer a wide range of academic programs in English, Francophone and French Immersion as well as a wide variety of extracurricular opportunities.

We welcome parents' interest in their children's education, and we believe in the importance and value of planning together with students, parents, and staff to ensure that every student is successful.

Please feel free to contact an administrator, counsellor, or a teacher if you have any questions.

EDPS ADMINISTRATIVE TEAM

Principal Mr. Lee Karpenko
Vice Principal Mrs. Stephanie Davies
Vice Principal Mme Corrine Madill

EDPS COUNSELLORS

A - G Mrs. Lynne Pakenham
H - N Mr. Kirk Elliot
O - Z Mrs. Marilisa Leamy

Contact information for all École Duchess Park Secondary staff can be found on our web page.

[Staff Directory - Duchess Park Secondary](#)

Please review the information contained in this guide about BC graduation requirements and choose courses carefully. School counsellors are available to help with course planning, post-secondary information and career exploration.

PATH TO GRADUATION

Source: British Columbia Ministry of Education – <https://curriculum.gov.bc.ca/graduation-info#grad-table>

We made changes to the curriculum and the graduation program in accordance with guidelines set out by the BC Ministry of Education. The purpose of these changes is to provide students with a flexible and innovative education that provides opportunities to learn the knowledge, skills, and abilities they need to succeed in today's world.

The new curriculum will help teachers create learning environments that are engaging and personalized for students.

Core competencies at the heart of B.C.'s redesigned curriculum provide essential learning, literacy, and math skills.

To graduate, it will be mandatory for students to write a Numeracy Exam and a Literacy exam in Grade 11 or 12.

Other Graduation Programs

Students have multiple pathways to successfully completing their K-12 education:

- B.C. Dogwood Diploma
- Diplôme de fin d'études secondaires en Colombie-Britannique
 - Bilingual Dogwood requirements will reflect the related changes to the graduation program.
- BC Adult Graduation Diploma

BC Adult Graduation Diploma requirements remain the same, but new courses can count towards the Adult Dogwood Graduation requirements. The Numeracy and Literacy Exams are not required.

PART 1: PROGRAMS

Duchess Park is a 3-Track school, offering programs in English, French Immersion and Francophone.

FRANCOPHONE PROGRAM

École Duchess Park est heureux d'offrir un programme francophone de la 8e à la 12e année qui continue le programme de l'école francophone à l'École Franco-Nord, district scolaire no. 93.

FRENCH IMMERSION PROGRAM

Duchess Park continues the excellent programs offered by French Immersion Elementary Schools in School District No. 57. Core subjects are offered in French from Grade 8 to Grade 12. The goal of the French Immersion program is to provide students with the opportunity to acquire competence in French, in order to communicate with confidence in the Francophone world.

IMMERSION FRANCAIS

Grade 8, 9 & 10 French Immersion students take Mathématiques, Sciences, & Sciences Humaines, in French. Français Langue Seconde and English are required courses each year. P.E. & electives are offered in English.

IMMERSION FRANCAIS 11

Grade 11 students take two courses in French: Sciences Humaines 11 F.I. and Immersion Français 11 Langue Seconde.

IMMERSION FRANCAIS 12

Grade 12 students must take Français Langue Seconde 12.

ALTERNATE SUPPORT PROGRAMS

THE LEARNING CENTRES (T.L.C.)

Duchess Park provides a variety of Learning Centres to meet the diversified needs of our students. Learning Centres provide individual instruction and assistance, skills upgrading, and self-directed learning opportunities.

THE LEARNING CENTRES MAY INCLUDE:

Learning Assistance Support: Learning assistance teachers and counselors monitor the progress of students with identified learning needs in the regular program. They consult with teachers, parents and students to develop Individual Education Plans that facilitate the full inclusion of all students in regular classrooms. In some cases, students are assigned to the Learning Centre for a scheduled block of assistance. Students receive assistance with work from their other subjects, and may have remediation/skills upgrading in the necessary academic area(s). There is no course credit work for time spent receiving specific subject support in Learning Assistance Support. Placement is made through School Based Team.

Course Completion Support: Students may use computer programs or modular learning, to earn specific course credit from Learning Centre teachers. Students are expected to complete a final exam in core subject areas, as determined by Learning Centre teachers in consultation with the specific core subject teacher. Placement is made through School Based Team.

Alternate Blocks allow students to complete academic courses in a small group setting at their own pace. Modularized packages are available for students who must upgrade marks in core courses. Students in this program can expect to complete the same course work as students in the regular program, with the ultimate goal of achieving a Grade 12 Graduation Diploma (*Dogwood*).

Self-Directed Learning: A number of courses in print or on-line are available for students to complete. Students are requested to see their counselors for specific course information. Placement is made through School Based Team.

Learning Support Centre (Grade 9)

The mandate of the junior LSC program is to build skills in English and Mathematics. Content includes learning outcomes from Science and Social Studies. If sufficient skills are developed in this program, students can re-enter the regular Grade 9 program in courses in which they have developed appropriate skills. If more upgrading (support) is required, the student will continue in LSC in Grade 10. Students participate in regular school electives and P.E. courses while upgrading academics in L.S.C.

Learning Support Centre (Grade 10)

LSC 10 is a continuation of the LSC 9 program. Successful development of basic skills in English and Mathematics will allow a student to move into the regular program or the Alternate Education Program. Students who have difficulty developing skills to be successful in Alternate Education will continue in the Learning Centre in Grade 11. Students participate in regular school electives and P.E. programs while upgrading academics in L.S.C.

Learning Support Centre (Grades 11 & 12)

The LSC 11 & 12 provides supported academic courses and exposure to career and work placement, with an emphasis on integration into appropriate classes and community transitions. The LSC program offers dynamic English and Math programs. The learning involves group work and a hands-on, problem-solving approach. Students may participate in regular school electives in their individually designed program. Students can move into Alternate Education, regular classes or continue in LSC to achieve a Dogwood Graduation Certificate or an Adult Dogwood Certificate.

P.A.C.T.

Duchess Park and Prince George Secondary School have become partners in the creation of an offsite learning centre that allows students from both schools to access alternate blocks for academic courses in a small group setting at their own pace. Placement is made through School Based Team.

SPECIAL LEARNING RESOURCE PROGRAM

This program is designed to assist students with special needs. Acceptance into this program is dependent upon assessment and referral. Individual Education Programs are designed to meet the individual needs of each student, and may include both academic and life skills components.

PART 2: PLANNING GUIDE

This Planning Guide is designed to assist students to plan appropriate courses of study in order to graduate with a B.C. Dogwood Graduation Diploma.

Each student is responsible for ensuring that he or she completes appropriate prerequisite courses and all other course requirements for graduation and post-secondary study. Students and parents are advised to review the requirements for graduation and relevant post-secondary guides at:

www.bced.gov.bc.ca/graduation
www.educationplanner.bc.ca
www.canlearn.ca
www.workbc.ca
www.careercruising.com (*Username: Duchess Password: Park*)
www.myblueprint.ca

Two major considerations for course selection are the likelihood for success and post-secondary program prerequisites. Choose courses in which you are likely to be successful as well as courses required for admission to post-secondary institutions. As post-secondary information often changes, ensure your information is current and verify the accuracy of information by contacting post-secondary institutions directly.

GENERAL INFORMATION

Grade 9 and 10 elective courses provide an opportunity for students to explore their own special interests in order to choose areas for more detailed study in later grades.

Some Grade 10 level courses require Grade 9 prerequisites. For example, French 9 and Band 9 provide fundamental skills required for French 10 and Band 10. Completing recommended prerequisite courses greatly enhances the likelihood of success in higher level courses.

Courses at the Grade 10, 11 and 12 levels are worth 4 credits each.

SCHOLARSHIPS & BURSARIES

Counsellors will discuss awards at Grad Meetings scheduled throughout the Grade 12 year. Information is also made available on the Duchess Park website.

GRADUATION REQUIREMENTS (GRADES 10-12)

Check with your school counsellor early in the year to ensure:

- You are taking all the courses you need to graduate
- You are taking all courses required for admission to your job choice or chosen post-secondary institution.

CREDIT REQUIREMENTS:

To graduate, students work towards the graduation requirement of 80 credits:

48 credits	Accumulated from required courses
+ 4 credits	Accumulated from the mandatory Career Education and Capstone program.
+ 4 credits	Accumulated from at least one Grade 10, 11 or 12 fine arts or applied design, skills & technology course
<u>+24 credits</u>	Accumulated from elective courses.
=80 credits	

Required Courses

- Two Career Education courses (total 8 credits)
- Physical Health and Education 10 (4 credits)
- Science 10 (4 credits)
- A Science 11 or 12 (4 credits)
- Social Studies 10 (4 credits)
- A Social Studies 11 or 12 (4 credits)
- A Math 10 (4)
- A Math 11 or 12 (4 credits)
- A Language Arts 10, 11 & 12 (12 credits)
- Arts Education 10, 11, or 12 or Applied Design, Skills & Technologies 10, 11, or 12 (4 credits)

To graduate, students must have:

- a minimum of 16 credits at the Grade 12 level (Four courses including English 12)
- a minimum of 80 credits, made up of required courses plus electives.
- French Immersion and Francophone students must take Français through to Grade 12 and a minimum of 4 courses in French (16 credits) at the Grades 10, 11 & 12 levels.

NOTE: Many post-secondary institutions require a fifth Grade 12 level course.

Elective Courses

An elective is any Grade 10, 11 or 12 course that is not a stipulated requirement.

All courses authorized by the Ministry or School Board are eligible.

At least one of these courses must be a Grade 10, 11 or 12 fine arts or applied skills course.

For definitions of courses that meet the requirements in these subjects and additional information on curriculum, check with a school counsellor or the Ministry website:

www.bced.gov.bc.ca/graduation
www.bced.gov.bc.ca/exams
www.bced.gov.bc.ca/irp

Carefully ensure you have all the courses and credits you need to continue your learning after graduation.

Use the next page in this guidebook to plan your courses:

GRADUATION REQUIREMENTS CHECK LIST

GRADE 10 REQUIREMENTS				
Regular Graduation Program		Francophone/French Immersion		
	GRADE 10 REQUIREMENTS	CREDITS		CREDITS
<input type="radio"/>	An English 10	4	An English 10	4
<input type="radio"/>	Social Studies 10	4	Sciences Humaines 10	4
<input type="radio"/>	Science 10	4	Sciences 10	4
<input type="radio"/>	A Math 10	4	A Mathématiques 10	4
<input type="radio"/>	P.E. 10	4	PE 10	4
<input type="radio"/>	Career Life Education 10	4	Career Life Education 10	4
<input type="radio"/>			Français 10	4
CREDIT SUB TOTAL:				
GRADE 11 REQUIREMENTS				
	GRADE 11 REQUIREMENTS	CREDITS		CREDITS
<input type="radio"/>	An English 11	4	An English 11	4
<input type="radio"/>	A Social Studies 11 OR a Social Studies 12 OR BC First Nation Studies 12	4	Sciences Humaines 11 OR 12	4
<input type="radio"/>	A Science 11 OR a Science 12	4	A Science 11 OR a Science 12	4
<input type="radio"/>	A Math 11 OR a Math 12	4	A Math 11 OR a Math 12	4
<input type="radio"/>	Career Life 11	2		2
<input type="radio"/>			Français 11	4
CREDIT SUB TOTAL:				
GRADE 12 REQUIREMENTS				
	GRADE 12 REQUIREMENTS	CREDITS		CREDITS
<input type="radio"/>	English 12 or English 12 First Peoples REQUIRED	4	An English 12 REQUIRED	4
<input type="radio"/>	Career Life Education Capstone 12	2	Career Life Ed. Capstone 12	2
<input type="radio"/>	12	4	A Grade 12 level course	4
<input type="radio"/>	12	4	A Grade 12 level course	4
<input type="radio"/>	12	4	Français 12	4
You need 16 grade 12 credits.		CREDIT SUB TOTAL:	F.I. & Francophone must have a Minimum 16 credits @ 10/11/12 in French	
FINE ARTS / APPLIED SKILLS REQUIREMENT				
<input type="radio"/>	Art or Applied Design Skill or Technology 10/11 or 12	4	Art Ed or Applied Design 10/11/12	4
ELECTIVE COURSES <i>(An additional grade 12 course is recommended)</i>				
	ELECTIVE REQUIREMENTS	CREDITS		CREDITS
<input type="radio"/>	10/11 or 12	4		4
<input type="radio"/>	10/11 or 12	4		4
<input type="radio"/>	10/11 or 12	4		4
<input type="radio"/>	10/11 or 12	4		4
<input type="radio"/>	10/11 or 12	4		4
<input type="radio"/>	10/11 or 12	4		4
<input type="radio"/>	10/11 or 12	4		4
(Minimum of 80 credits is required to graduate)		Total Credits	Total Credits	
WRITE NUMERACY & LITERACY EXAMS				

COURSE DESCRIPTIONS

APPLIED DESIGN SKILLS AND TECHNOLOGY EDUCATION

BUSINESS EDUCATION COURSES FOR GRADES 9 & 10:

Information and Communication Technologies 9

Prerequisite: None

Students will be introduced to:

- Text based coding
- Drag and drop mobile development
- Programming modular components
- Development and collaboration in a cloud-based environment
- Wireless transfer systems
- Impacts of evolving web standards
- Relationships between technology and social change
- Personal learning networks and content consumption
- Keyboarding techniques

Web Development 10

Prerequisite: None. Offered to students in Grade 10-12

- Plan and build webpages from the ground up, from early design stages to hosting and maintaining.
- Languages taught include HTML, CSS, and JavaScript.
- No previous coding experience necessary.
- Designed for students interested in web design or in web-based careers as a post-secondary option.

BUSINESS EDUCATION COURSES FOR GRADES 11 & 12:

Accounting 11

Prerequisite: None

- Introduction to accounting and its role in business. Generally accepted accounting principles, practices, forms and procedures. Designed for those interested in accounting as a post-secondary option, or those considering running a business.

Accounting 12

Prerequisite: Accounting 11

- Advanced accounting concepts used to develop analytical, decision-making and communication skills. Designed for those planning post-secondary studies in accounting, management or business.

Business Computer Applications 12

Prerequisite: None. Offered to students in Grade 11 & 12

Achieve Microsoft Office industry-recognized certification! Become certified in:

- Microsoft Word, PowerPoint, Excel
- Certification provides students with substantial advantage in their higher learning and work force pursuits.
- Develop spreadsheets for use as powerful analysis tools.
- Turn your ideas into impactful PowerPoint presentations.
- Develop computer software skills for success in the 21st Century!

E-Commerce 12

Prerequisite: None. Offered to students in Grade 11 & 12

Learn about the exciting world of marketing, including social media, advertising and promotions!

- Investigate the marketing side of social media.
- Enjoy field trips to local businesses: See/experience marketing in action!
- Participate in Titan, a marketing computer simulation game that lets you be your own boss and experience *real world marketing* decision making!
- Earn Junior Achievement Titan Certificate.
- Analyse successful media campaigns and develop your own Advertisements, Promotions and Social Media Strategies!
- Learn techniques and tricks marketers use to get your attention. Become a better consumer!
- Explore the 4 P's of Marketing: Product, Price, Place and Promotion.
- Develop leadership, decision making, analytical, creativity and marketing skills.

Entrepreneurship 12 - 2019

Prerequisite: None. Offered to students in Grade 11 & 12

Through experiential learning, develop skills to be Entrepreneurial!

- Explore business basics such as: entrepreneurial opportunities, social entrepreneurship, innovation, the global market, networking, market analysis, funding sources.
- Experience running "Business for a Day"!
- Develop a product or service, create a plan for it and pitch it!
- Plan and run your own and/or a class business or special school event.
- Profit used for a class field trip/luncheon to a local restaurant and also donated to a charity.
- Earn a Junior Achievement Business Certificate.
- Investigate the world's most innovative and successful businesses and entrepreneurs!
- Develop skills in collaboration, project management, communication, innovative and critical thinking, evaluation and problem solving.
- Build the skill set needed to be successful in future business studies and to run your own business.

Graphic Production 11 & 12

Graphic Production 12 falls under the umbrella of information and communications technology. It focusses on the creative planning and presentation of visual communication using elements and principles of design as communication tools. Students learn skills and knowledge necessary to understand the impact of image, colour input and design so that they can develop images, signs, symbols and logos as a means to communicate a message or value using software. Students will be exposed to various design and production opportunities.

Marketing and Promotion 11 -2019

Prerequisite: None

Experience the exciting world of marketing, including product development, market research, social media, advertising, promotions and the influence of culture!

- Develop a marketing plan for an innovative new product or service!
- Design a product prototype!
- Use marketing skills to plan, promote and run a school and/or charity event!
- Design your own promotions, advertisements & social media strategies!
- Develop marketing and promotion strategies.
- Experience marketing in action through field trips to local businesses!
- Explore Titan, a business/marketing computer simulation game that lets you be your own boss and experience *real world business & marketing* decision making!
- Explore international marketing and advertising.
- Earn Junior Achievement Titan Certificate.
- Develop skills in collaboration, project management, communication, problem solving, innovative and critical thinking to enable you to succeed in future business/marketing studies and in life.

Work Experience and Career Exploration 12 - 2019

Prerequisite: None. Offered outside of regular timetable to students in Grade 10, 11 & 12

Students explore a variety of career directions to help them with future career selection and post-secondary options.

- Learn about and try out a variety of careers/occupations!
- Find a career that matches your skills and interests.
- Attend fieldtrips, job shadows and work experiences related to career choices!
- Gain work experience hours needed for a particular career.
- Fulfill post-secondary application criteria that require work experience.
- Network with employers and make contacts for the future.
- Gain the knowledge, skills, and attitudes needed to be successful in the workplace and for specific careers.

Work Experience 12 and work placements, generally occur outside of the regular course schedule.

Special Notes:

It is recommended that you are enrolled in Work Experience to participate in Community Programs such as Junior Initial Attack, R.C.M.P. Youth Academy, Rotary Adventures in Healthcare, Health Circuit, P.G. Fire Rescue, Junior Volunteer Program and Encounters with Canada. The ideal work experience candidate should be dedicated and reliable.

HOME ECONOMICS COURSES FOR GRADES 9 & 10:

Food Studies 9 and Food Studies 10

Prerequisite: None

This course teaches the application and extension of knowledge and skills relating to the preparation and presentation of nutritious and appealing meals and baked products.

- 60% Practical work: demonstrating knowledge obtained in provided learning resources.
- 40% Theory: notebook-work, quizzes and tests.

Textiles 9 & 10

Prerequisite: None

These sequential courses extend both knowledge and practical experience with selection, design and construction of clothing and other projects.

- Students will learn how to safely use the tools and machines associated with sewing and textiles.
- A variety of projects are used to introduce these practices.
- 60% Practical work
- 40 % Theory: notebook-work, quizzes and tests.
- Students are responsible for material costs for projects beyond minimum curriculum requirements.
- All work is to be completed at school.

HOME ECONOMICS & CULINARY ARTS COURSES FOR GRADES 11 & 12:

Child Development and Caregiving 12 (Family Studies 12)

Students will learn:

- Legal rights and responsibilities of caregivers, including ensuring children's welfare and safety
- Pregnancy, including health practices for conception and during pregnancy
- Prenatal development, and methods of childbirth and delivery
- Theories of child development, including cultural influences, and how and why theories change over time
- Child development stages from birth to 12 (cognitive, social, physical, emotional development, language and speech)
- Role of play in human development and learning
- Nutritional needs and feeding practices for children of various ages, including external influences on these practices •
- Theories of caregiving styles and impacts on child development •
- Child care options locally and internationally, influences on these options
- Community resources that offer services to children and caregivers
- Service strategies for children and families
- Cultural sensitivity and etiquette, including ethics of cultural appropriation

Culinary Arts 11

Recommended Prerequisite: Foods 10 or Foods 11

This course is designed for senior students (Grade 11 or 12 only)

- Emphasis is on creative food preparation, some history of these foods, and presentation techniques.
- Includes baking basics, cookie designs and arrangements, cake decorating, holiday creations, knife skills, garnishing and plating.
- Students study design principles and elements as applied to food presentations.
- Students will create a Power Point portfolio of their culinary skills and recipes.

Food Studies 11 and Food Studies 12

Prerequisite: Foods 10

Sequential courses extending both knowledge and practical experience with a variety of culinary techniques and styles, from basic to gourmet and from traditional western to foreign cuisines.

- Applies the principles of nutrition in meal planning.
- The skills students develop will further be enhanced with interesting and challenging labs and skills.

Novice Chef 11

Prerequisite: None. Board Authorized Course

- Students explore what it will be like to be responsible for their own nutritional needs once they are “on their own”.
- This course is designed for **senior students (Grade 11 or 12 only)** with little or no food preparation experience, and who will be “dorm dwellers” or living on their own in the near future.
- Focuses on the delivery of economical and appetizing meals that can be quickly prepared.
- Emphasis on health and nutrition.

Textiles 11 and Textiles 12

Prerequisite: None

These sequential courses extend both knowledge and practical experience with selection, design and construction of clothing and other projects.

- Students will learn how to safely use the tools and machines associated with sewing and textiles.
- A variety of projects are used to introduce these practices.
- 60% Practical work
- 40 % Theory: notebook-work, quizzes and tests.
- Students are responsible for material costs for projects beyond minimum curriculum requirements.
- All work is to be completed at school.

TECHNOLOGY EDUCATION COURSES FOR GRADES 9 AND 10:

Construction 9 and Construction 10

Prerequisite: None

Students will learn to read plans, cut to precise measurements and assemble parts to create small structures. Students may build dog houses, garden sheds or planter boxes.

Drafting 9 and Drafting 10

Prerequisite: None

- An introduction to the elements of traditional drafting to Computer Aided Design illustrating architectural, electrical, mechanical or electronic elements.
- Senior courses have a narrower focus to reflect student interests, and may include Drafting and Design courses, which focus on specific areas like textiles or architecture.
- Includes the use of AutoCAD - computerized drafting.

Electronics & Robotics 9 and Electronics & Robotics 10

Prerequisite: None

- Students are introduced to electronics, learn basic theories of electricity, then build and test a variety of circuits and projects to help them understand the theory.
- Projects are first built on a bread board, tested, and then the circuit is designed and etched onto a circuit board and the components are transferred to the completed board.
- Students are responsible for material costs for projects beyond minimum curriculum requirements.

Metalwork 9 and Metalwork 10

Prerequisite: None

- Students discover a variety of processes used to cut, shape and join different types of metal.
- Introduction to gas welding, MIG welding, machining, precision layout, forging, casting, sheet metal forming, shaping, bending and joining.
- A variety of projects are used to introduce these practices.
- Students in Metal Work 10 will have the opportunity to work in the processes they did not use in Metalwork 9.
- Students may select projects in the process area of choice such as Oxy gas welding, Brazing, Arc Welding, MIG welding, machining, precision layout, forging, casting, sheet metal forming, shaping, bending and joining.
- Material costs for the projects beyond the minimum curriculum requirements are the responsibility of the students.

Metal Art and Jewelry Design 10

Prerequisite: None

This exciting course combines metal-working techniques with art and jewelry design. This course meets Ministry criteria for both applied design and art credits. Come learn how to safely use tools and equipment found in the jeweler's workshop and the metal shop. Learn to shape different mediums to your will and expand your artistic endeavours using copper, silver, pewter, aluminum, brass, horseshoe nails, wire, wood, steel, and glass. Explore new art processes such as repoussé, wax casting, sand blasting, etching, polishing and buffing, sand casting, brazing, and chain mail.

Power Technology 9 and Power Technology 10

Prerequisite: None

This introductory course allows students to learn about different types of engines, power, and alternative energy.

- Students build a variety of projects and tear down and reassemble a small gas engine.
- If time, dirt bikes & snowmobiles can be brought in to learn and practice regular maintenance of these machines.
- Skills in this area can lead to exciting careers in the automotive industry and power sport industry.

Woodwork 9 and Woodwork 10

Prerequisite: None

- Students learn to safely use most basic machines found in a wood shop as well as hand tool techniques and methods.
- Projects may include tables, hand carved candy dishes, routed signs and clocks.
- Material costs for projects beyond minimum curriculum requirements are the responsibility of the students.

Woodwork/Construction 9 – 12 (X Block)

Prerequisite: None

This course will be offered during X block and will allow students to complete projects for the grade in which they are enrolled. They learn the same skills taught in their grade level woodworking or carpentry classes, but in a multi-grade class setting.

TECHNOLOGY EDUCATION COURSES FOR GRADES 11 AND 12:

Electronics & Robotics 11 and Electronics & Robotics 12

Prerequisites: None. (Robotics 9 or 10 highly recommended)

This course will build off skills learned in the junior Robotics course, to further the students' knowledge and experience with various robotics technologies including:

- Methods of movement
- Creation of logic subsystems
- Interaction with the environment
- Semi-autonomous and autonomous programming
- Sensors
- Feedback loops
- Communication protocols

Metal Art and Jewelry Design 11/12

Prerequisite: None

This exciting course combines metal-working techniques with art and jewelry design. This course meets the grad requirements for both Applied Design and Art. Come learn to safely use tools and equipment found in the jeweler's workshop and the metal shop. Learn to shape different mediums to your will and expand your artistic endeavours using copper, silver, pewter, aluminum, brass, horseshoe nails, wire, wood, steel, and glass. Explore new art processes: Repoussé, lost wax casting, sand blasting, etching, polishing and buffing, sand casting, brazing, and chain mail.

Metal Fabrication/Machine Work 11 and Metal Fabrication/Machine Work 12

Prerequisite: Metalwork 10

- These courses are a continuation of Metalwork 10. The skills students develop will be further enhanced with interesting and challenging projects.
- While students will need to meet minimum levels of competency with each process, there is the opportunity to focus efforts in one specialty area of interest: welding (oxy-acetylene, MIG), machining (lathe and milling machine), precision layout, forging, casting, or sheet metal work.
- A variety of projects are used to develop intermediate skills. Grade 12 students may opt to select an advanced project of their choice, subject to instructor approval. Material costs for projects beyond the minimum curriculum requirements are the responsibility of the students.

Woodwork 11 and Woodwork 12

Recommended Prerequisite: Woodwork 10

- Students learn to safely use the hand tools and machines found in a typical woodworking shop.
- Construction of a variety of projects including furniture, cabinets and lathe work is possible.
- Students design, invoice, and construct projects of their own choice (*as approved by the instructor*).
- Students are responsible for material costs for projects, beyond minimum curriculum requirements.

ARTS EDUCATION

ARTS EDUCATION: DRAMA

The Drama program is designed to help students develop basic skills and knowledge associated with theatrical performance and production. It includes acting, directing, script development, film and TV production, and theatre production. Skill building begins in Drama 8, continues through grade 9 and 10, and is followed by more advanced performance and production courses in senior years. Each successive grade of Drama requires greater ability to focus and to work both independently and as a group. Most assignments are group based and require students to be accountable to each other.

Drama 9 and Drama 10

Prerequisite: None

Introductory Drama explores various techniques for improving students' ability to create characters and scenes through exercises, games and performance assignments. Students will explore mime, radio plays, monologues, small scene work, choreography, and improvisational comedy.

Students, who have taken Drama 9 and wish to improve their dramatic skills and knowledge, may be interested in taking Drama 10 as it explores a wider scope of drama forms. Topics covered may include mask making, improvisation, musical theatre song and dance, play writing, small scene work, and physical comedy, and will be of value to those interested in progressing to senior drama classes in grade 11/12.

Film & Television 11 and Film & Television 12

Prerequisite: Previous Drama Courses

Come learn how to make a movie!

Topics: script writing, story boarding, camera work, editing, acting, and learning and using production techniques for television and movies. Projects created may include; commercials, short dramas/comedies, specific genre films, music videos, stop-motion animation, how to videos, etc. All students will be expected to act and to fulfill all the other job assignments in the course. Success requires consistent attendance. Students and their parents will be required to sign a contract of expectations because students will be required to film outside of the classroom using school equipment without immediate supervision of a teacher.

Theatre Company 11 and Theatre Company 12

Prerequisite: Previous Drama Courses

For students who experienced high levels of success in previous drama courses and strongly wish to perform for a public audience.

Students:

- Must demonstrate self-discipline, co-operation and ability to work independently in challenging productions.
- Participate in script memorization, choral singing and choreography.
- Work with makeup, costuming, lighting, sound controls and set design.
- Continue to work on character development, script work and improvisation.
- Perform for the public, requiring attendance at evening or weekend performances.

ARTS EDUCATION: INTERDISCIPLINARY ARTS

Media Arts 9 and 10, and Media Arts 11

Prerequisite: None

- These sequential media arts courses introduce students to visual media. At the core of all current media arts is an understanding of the digital environment: how digital media can be manipulated, and how it may be used in various careers.
- The focus is on learning how to use video cameras, scanners, still cameras (to work with video) and other media to create various presentations.
- In addition to learning how to film and edit video projects, students work with lighting and sound technology.

ARTS EDUCATION: VISUAL ART

Visual Arts students explore their creativity and develop skills that can develop into a lifelong hobby. These skills can also lead to fields such as architecture, communication design, advertising, book and editorial design, publishing, marketing, applied design, fashion design, photography, filmmaking, animation, computer graphics and fine art. Students are exposed to traditional and contemporary directions in the Visual Arts in the areas of drawing, painting, sculpture, pottery, photography, computer graphics and mixed media.

ARTS EDUCATION: VISUAL ARTS FOR GRADES 9 & 10

Art Studio 10

Prerequisite: None

- Learn about the fundamentals of art: design, colour theory, perspective and composition.
- Work with a variety of materials to develop skills in expressing personal imagery and understanding the use of material in the creation of finished products.
- Select a minimum of four artistic areas to study from ceramics, drawing, painting, computer assisted art, sculpture or fiber arts and mixed media.
- Study historical and contemporary artists.
- Make regular use of a sketch book (required).

Studio Arts 2D 10

Prerequisite: None

Designed to assist students in developing confidence in expressing imagery through new mediums, students learn:

- Fundamentals of drawing, design, and painting, and increase their ability to draw and paint.
- Work with pencil, coloured pencil, pen and ink, scratch art, pastels and paint.
- Incorporate new skills and materials to create projects using different effects to express ideas and emotions.
- Historical and contemporary art will be presented through video, images, library assignments and field trips.

Studio Arts 3D 10

Prerequisite: None

A beginner's course in clay work and sculpture that allows students to explore the MAGIC OF MUD! Student skills will be extended from what they learned in Grade 9 art classes.

- Students develop pottery hand-building skills (pinch, coil, and slab), and will use the pottery wheel.
- Surface treatment techniques such as textures, glazing and staining are explored.
- Sculpture projects with materials such as wire, paper, plaster and other materials add to the 3D experience.
- There is some drawing and painting in this course as students use these skills to plan their projects and will use a sketchbook/workbook for this.
- This course challenges students to dream, design and BUILD!

Visual Arts 9: Ceramics & Sculpture

Prerequisite: None

A beginner's course in clay work and sculpture, allowing students to explore the MAGIC OF MUD!

- Students develop pottery hand-building skills (pinch, coil, and slab), and are introduced to the pottery wheel.
- Surface treatment techniques such as textures, glazing and staining are explored.
- Sculpture projects in many different materials add to the 3D experience.
- There is some drawing and painting in this course as students use these skills to plan their projects.
- This course challenges students to dream, design and BUILD!
- Some sketchbook work is required as students plan out projects.

Visual Arts 9: Drawing & Painting

Prerequisite: None

This beginner's course is designed to assist students in developing confidence in expressing imagery through new mediums.

- Students learn fundamentals of drawing, design, and painting to enhance their abilities.
- Students work with pencil, coloured pencil, pen and ink, scratch art, pastels and paint.
- Projects incorporate newly learned skills and an understanding of materials to create different effects.
- Historical and contemporary art will be presented through video, library assignments and field trips.
- Regular use of sketchbook is required.

Visual Arts 9: General

Prerequisite: None

To learn about the fundamentals of art: design, colour theory, perspective and composition, students:

- Work with a variety of materials to develop skills in expressing personal imagery and understanding the use of material in the creation of finished products.
- Select a minimum of four artistic areas to study from ceramics, drawing, painting, computer-assisted art, sculpture or fiber arts.
- Historical and contemporary artists are studied.
- Regular use of a sketch book is required.

ARTS EDUCATION: VISUAL ARTS FOR GRADES 11 & 12

Art Portfolio 12

Prerequisite: A variety of senior level art courses. Admission: Portfolio adjudicated by art teachers.

AP Studio Art General – AP 2-D Design Portfolio 12 – AP 3-D Design Portfolio 12 – AP Studio Art (Drawing) 12

- Designed to assist students in the development of a successful portfolio for post-secondary applications to art institutions.
- A deeper exploration of a personal style and skill development in focus areas will lead to the successful development of a portfolio for post-secondary applications to art institutes.

Art Studio 11

Prerequisite: None

A general art course for students who have previously taken art and for those for whom it is a first experience in developing creative ideas through:

- Exploration of a wide variety of art materials.
- Selected skill development in: drawing, painting, scratch art, printmaking, design, pottery and sculpture.
- Regular use of sketchbook.

Art Studio 12

Prerequisites: Art Studio 11 or Art Foundation 11, or Ceramics 11 or Drawing/Painting 11.

- Deeper exploration of art materials: acrylic paint, water colour, gouache, pastel, charcoal, block printing, clay and coloured pencils.
- Further skill development in drawing, painting, ceramics, print-making and design.
- Regular use of a sketchbook for image development and design strategies.
- Elements and principles of art and technical skill development.
- Assistance in compiling a portfolio suitable for post-secondary applications.

Studio Arts 2D 11

Prerequisite: None

You do not have to be an experienced art student to succeed in this course. Beginners are welcome. Studio Arts 2D 11:

- Emphasizes creative problem solving in drawing and painting and the development of a personal style.
- Students will explore art using a wide variety of drawing and painting materials.
- Historical and contemporary art will be studied.
- The regular use of a sketchbook is required.
- There is a focus on the language of art, creative strategies and art styles.
- Help developing a portfolio for post-secondary applications for students hoping to study art in post-secondary.

Studio Arts 2D 12

Recommended Prerequisite: Studio Arts 11: Drawing and Painting (Studio Arts 2D 11)

This course is designed for students who wish to:

- Perfect their skills in drawing and painting.
- Explore image development and design strategies, and elements and principles of design.
- Learn technical development with a variety of media.
- Explore personal expression with a focus on creative strategies and art styles.
- The regular use of a sketchbook is required.
- The development of a portfolio for post-secondary applications is emphasized and encouraged.

Studio Arts 3D 11

Prerequisite: None

This class is open to all students who enjoy being creative.

- This course is designed to accommodate beginners as well as students with experience in art classes.
- Projects involve sculpture, hand built pottery, as well as functional wheel thrown pieces.
- Students work with a variety of ceramics and sculpture media, which may include clay, wire, plaster, papier mâché, and mixed media.
- Students work on drawing skills.
- Sketchbook or folder required for design and image development.
- Students also learn the role of sculpture, ceramic forms and art in history and in society.

Studio Arts 3D 12

Recommended Prerequisite: Studio Arts 11: Ceramics and Sculpture (Studio Arts 3D 11)

- This course is a continuation of Studio Arts 11: Ceramics & Sculpture (Studio Arts 3D 11).
- There will be greater emphasis on independent work.
- Students will have the opportunity to develop their own ideas through individually created assignments while continuing to build their skills in ceramics and sculptural forms.
- A journal/sketchbook is required for students to work on image development.
- Assistance will be given in compiling a portfolio for post-secondary applications where necessary.

Visual Arts: Photography 11 and Visual Arts: Photography 12

Prerequisite: None

Photography is an excellent tool for students who would like to develop and understand more about creativity while not necessarily being adept visual artists. Senior photography provides the environments for students to capture images in stop-motion and to manipulate photographs in a variety of forms. We will go over aspects of visual arts elements, technologies and visual culture. In an ever-increasing digital age, technology including cameras, computer software, and lighting can be the outlet for students to gain experience, technical skills, and awareness of their own abilities.

ARTS EDUCATION: MUSIC

Instrument upkeep charge: \$10.00 per month.

Music 9 – Band

Prerequisite: None

- Band 9 is a sequential, performance-based class.
- Students are expected to provide an instrument or rent one from the school.
- Band 9 stresses rudiments of music and on ensemble playing.

Music Appreciation 11 and Music Appreciation 12

Prerequisites: None

- Analyze and interpret musical styles from the medieval period through to the present day.
- Use creative and research based projects to appreciate and experience music from all genres and time periods.
- No previous musical experience needed, earbuds encouraged!

Instrumental Music 9, Instrumental Music 10, Instrumental Music 11 and Instrumental Music 12 – Jazz Band

Prerequisite: None

7:30 – 8:42 a.m. twice weekly

This mixed grade course specializes in music from the Jazz idiom to modern day styles.

- Students build on skills acquired in Band 9 through 12.
- Alternate instrument arrangements are required.
- Effort will be made to include students not playing an appropriate instrument.
- Students can double on instruments.
- This is a performance group and performs and tours as above.

Instrumental Music 10, Instrumental Music 11 and Instrumental Music 12 - Concert Band

Prerequisite: None

7:30 – 8:30 a.m. twice weekly

This is a touring group. Students play in concerts for in-school functions and festivals in and out of the city.

- Students play a variety of music styles from classical to jazz or rock.
- Includes transcriptions of movie scores and popular music.
- Rudiments continue to be stressed.
- Focus is on ensemble playing.
- Students are expected to provide an instrument or rent one from the school.

ENGLISH and ENGLISH LANGUAGE ARTS

The English/Language Arts curriculum allows students to experience a full range of language in various forms and contexts while building capacity to effectively comprehend and respond to language, communicate with precision, clarity, and artistry to achieve specific goals. To interact effectively with others to enhance successful learning for productive, satisfying lives.

All students must take a grade 9, 10, 11 and 12 ENGLISH course, selected from the ENGLISH course list. Courses listed under *English Language Arts* are elective courses.

ENGLISH

English 9

This course is designed to enhance skill development as students practice multi-paragraph compositions and persuasive writing for specific audiences. A variety of literature and media is used to explore such elements as stereotyping and satire.

English: Composition 10 and Literary Studies 10

Prerequisite: English 9

If you are interested in developing and extending the craft of written communication to support personal and career goals or to prepare for university studies, this course might be for you! Here you build writing competencies in varied structures, forms, and styles of compositions. You work individually and collaboratively to study, create, and write original pieces, exploring audience and purpose. You further develop your craft through processes of drafting, reflecting and revising. Possible areas of focus include narrative, expository, descriptive, persuasive, and opinion pieces. Literary topics may include literature of a particular era, location, or theme and will enhance higher-level thinking through close reading of appropriately challenging texts.

English: Composition 10 and New Media 10

Prerequisite: English 9

If your favourite way of communicating is through the digital world, this course might be for you! If you want to focus on improving your reading and writing skills, this course offers flexibility in the novels and stories to be covered. The course centres on student's interests, needs and abilities. The focus will be on exploring the changing role of technology in today's society and the increasing importance of digital media in exchanging ideas. Coursework is aimed at providing students with opportunities to demonstrate understanding and communicating ideas through a variety of digital and print media. Possible focus areas include media and film studies, journalism and publishing, and digital communication.

English: Creative Writing 10 and Literary Studies 10

Prerequisite: English 9

Are you creative? Do you enjoy writing? This course might be the one for you!

This course is designed for students with both an interest in and an aptitude for creative writing. You will have the opportunity to build writing skills through the exploration of identity, memory, and story, in a range of genres. You will be able to read and write traditional and experimental works, to participate in writers' workshops, and to seek publication. The course is intentionally grounded in the sampling of writing processes, where you will share and discuss your creations. You will also be able to express yourself creatively as you experiment, reflect on and practice writing. Possible areas of focus include creative forms such as slam poetry, oratory, rap, drama, song, graphic novels, film, creative non-fiction, historical fiction, poetry, song lyrics, and multimodal creative forms that combine visual, written and oral texts.

English: Composition 11

Prerequisite: An English 10

Composition 11 is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students read and study compositions by other writers and are exposed to a variety of styles as models for the development of their writing. Students have increasing independence to study, create, and write original and authentic pieces for a range of purposes and real-world audiences. Through drafting, reflecting, and revising they build a body of work that demonstrates expanding breadth, depth, and evidence of writing for a range of situations. They will develop confidence in their abilities as they consolidate their writing craft.

English: Literary Studies 11

Prerequisite: An English 10

Literary Studies 11 allows students to delve deeply into literature. Students can explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time:

- Increase their literacy skills through close reading of appropriately challenging texts.
- Enhance their development of the English Language Arts curricular competencies, both expressive and receptive.
- Expand their development as educated global citizens.
- Develop balance and broaden their understanding of themselves and the world.
- Further develop higher-level thinking and learning skills.

English: New Media 11

Prerequisite: An English 10

New Media 11 is the second tier in a program of studies designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. This course provides students with a set of skills vital for success in an increasingly complex digital world. Possible areas of focus in New Media 11 include:

- Media and film studies.
- Journalism and publishing.
- Digital communication – blogging, writing for the web, writing for social media, gaming & podcasting.

English Studies 12 ** REQUIRED**

Prerequisite: An English 11

This REQUIRED English Studies 12 course builds on and extends students' previous learning experiences in English Studies. It is designed for all students and provides them with opportunities to:

- Refine their ability to communicate effectively in a variety of contexts and to achieve their personal and career goals.
- Think critically and creatively about the uses of language.
- Explore texts from a variety of sources, in multiple modes, and that reflect diverse worldviews.
- Deepen their understanding of themselves and others in a changing world.
- Gain insight into the diverse factors that shape identity.
- Appreciate the importance of self-representation through text.
- Contribute to reconciliation by building greater understanding of the knowledge and perspectives of First Peoples.
- Expand their understanding of what it means to be educated Canadian and global citizens.

ENGLISH LANGUAGE ARTS ELECTIVES:

English Studies 12 with Literature 12 A.P.

Prerequisite: An English 11 (Includes the required English Studies 12 course)

This advanced placement course combines the REQUIRED English Studies 12 course with Literature 12 and Composition to create a full year 12-credit program. Literature 12 allows greater freedom for both the teacher and students to establish reading lists and activities. One quarter of the course is devoted to “core studies,” a survey of representative works from several literary periods. For the remainder, students choose from one of the following options for further in-depth study: prose, poetry, drama and independent studies. This A.P. course is recommended for students planning to continue English studies beyond high school.

English: Composition 12

Prerequisite: An English 11

This course provides opportunities for students to study, create, and write original and authentic pieces with increasing independence and self-sufficiency. They develop their craft through processes of drafting, reflecting, and revising to build a body of publishable work that demonstrates breadth, depth, and evidence of sophisticated and specialized writing for a range of purposes, situations, and audiences using real-world applications with impact and effectiveness. To support students in their refinement and pursuit of mastery, students are exposed to a variety of styles and read exemplary compositions by other writers.

The following are possible areas of focus within Composition 12:

- Narrative, expository, descriptive, persuasive, and opinion pieces, with attention to areas such as thesis development, structure, transitions, hooks and leads, persuasion, argumentation, and the study of a wide range of sample works.
- Planning, drafting, and editing processes.
- Writing for specific professional audiences and specific academic disciplines.
- How to cite sources, consider the credibility of evidence, and evaluate the quality and reliability of the source.

English: Creative Writing 12

Prerequisite: An English 11

Creative Writing 12 is designed for students who are interested in creating a body of work reflective of a sophisticated breadth and depth of skill. The course provides students with opportunities to specialize and publish in real-world contexts. Students engage in the exploration of personal and cultural identities, memories, and stories, in a wide range of genres. Within a supportive community, students will collaborate and develop their skills through writing and design processes, celebrating successes. Students will refine their ability to write in complex, controlled styles with effectiveness and impact. Possible areas of focus within Creative Writing 12 include fiction and poetry, creative non-fiction, and memoir.

English: First Peoples 12

Prerequisite: An English 11

This course is the academic equivalent of English Studies 12.

While the focus is primarily on First Peoples’ voices from British Columbia, students also engage with texts that reflect First Peoples’ perspective from elsewhere in Canada and throughout the world.

- Presents authentic, historical or contemporary First Peoples voices.
- Focusses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text – including oral story, speech, poetry, drama, masks, dance, song, film, and prose (fiction and non-fiction).

English: New Media 12

Prerequisite: An English 11

New Media 12 is the third tier in a program of studies designed to reflect the changing role of technology in today’s society and the increasing importance of digital media in communicating and exchanging ideas. This course provides students with a set of skills vital for success in an increasingly complex digital world.

Possible areas of focus in New Media 12 include:

- Media and film studies.
- Journalism and publishing
- Digital communication – blogging, writing for the web, writing for social media, gaming & podcasting.

History and Appreciation of Film 12

Prerequisite: English 10. Board Authorized Course

This Film Study course teaches students to view and respond critically to a selection of “essential” films. Drawn from the rich history of narrative film, students develop knowledge of the language of film and:

- The conventions of major film genres and sub-genres.
- Key directors and visionaries and their contributions to the film medium, the historical and social context in which films are created, and the enduring legacy of films in popular culture.
- Students will develop a deep appreciation of the history of film, and enhance their abilities to read and interpret films and respond to them critically, both orally and in writing.

FRANCOPHONE

The Francophone School District offers Français Langue Première 9, 10, 11 and 12 and Sciences Humaines 9, 10, & 11. Francophone students may take Mathématiques 9 & 10 and Sciences 9 & 10 in French Immersion classes.

Francophone 8, 9 & 10

Les élèves francophones de 8e, 9e et 10e années suivent des cours de Mathématiques, Sciences et Sciences Humaines en français. Français Première langue et anglais sont des cours obligatoires chaque année. Éducation Physique et les cours optionnels sont offerts en anglais.

Francophone 11

Les élèves de 11e année suivent deux cours en français: Français Langue Première 11 et Sciences Humaines 11.

Francophone 12

Les élèves de 12e année doivent suivre le cours Français Langue Première 12.

FRENCH IMMERSION

French Immersion Language Arts 9

This course is designed to help students improve French communication by:

- Defining and affirming thoughts.
- Analyzing texts for different sociocultural contexts to improve comprehension of texts.
- Acquiring a better comprehension of the French culture and its values.
- Producing a variety of descriptive and narrative texts.

French Immersion Language Arts 10

Prerequisite: French Immersion Language Arts 9

This course is designed to help students improve French communication and to better understand the French culture by:

- Learning to recognize cultural markers in language variations.
- Analyzing texts to grasp how French uses different methods to broadcast the sense, complexity, and depth of human life.
- Using poetic elements to enrich writing and to evoke reader reaction.

French Immersion Language Arts 11: Media and Digital Communication

Prerequisite: French Immersion Language Arts 10

This course helps students appreciate the diversity in French culture and how these are shaped by its surroundings by:

- Recognizing language variations which indicate cultural markers.
- Analyzing the influence of external elements on the recipient and how these impact the interpretation of text.
- Increasing awareness of the impact and influence of media on people and society.

French Immersion Language Arts 12

Prerequisite: French Immersion Language Arts 11

This course helps students recognize language variations which indicate cultural markers to better understand the diversity in the Francophone world and to understand how a linguistic and cultural identity is formed by:

- Deepening reading comprehension and human life comprehension by analyzing extreme influences on the recipient.
- Mastering the French language by reviewing texts.
- Discovering the possibilities offered to bilingual learners.

INTERNATIONAL LANGUAGES

Broaden Your Horizons! Language courses give you the opportunity to connect with people from around the world. In our global economy, speaking another language gives you a competitive advantage!

Do not drop a second language course without first determining whether a second language is required for your future job or for admission to a university or college program.

Junior language courses emphasize listening and speaking. As students gain proficiency, more time is devoted to reading and writing practice. By the end of Grade 12, successful students have acquired a level of fluency upon which to build future studies.

We are proud to report that SD No. 57 and the Duchess Park French program have a *twinning project* with the Education Attaché at the French Embassy in Canada and have secured a school with which to exchange cultural and linguistic opportunities.

Core French 9

Prerequisite: French 8 or introductory level core French class

- Increase vocabulary and knowledge of the Francophone world with print/digital material and by working collaboratively through the internet with students based in L'Académie de La Martinique.
- Emphasis is on group projects, where students can pick up nuances of language and culture from one another.
- We begin by sharing simple e-mails and evolve to sharing video projects and progressing to Skyping sessions.
- The goal is for students who meet criteria to be able to travel to Martinique to engage in the exchange program.
- The course begins at the grade 9 level and will continue through to the grade 12 level.

Core French 10

Prerequisite: Core French 9 or introductory level core French class

This course will continue to develop the collaborative learning commenced at the grade 9 level between our Canadian classroom and that of L'Académie de La Martinique. We will employ increasingly sophisticated levels of skills, activities, literature and media. Emphasis remains on group projects and improving understanding of the nuances of French language and culture.

Core French 11 and Core French 12

Prerequisite: Core French 10 and 11

French 11 and French 12 students continue to develop the collaborative learning commenced at the grade 9 level between our Canadian classroom and that of L'Académie de La Martinique:

- Increasingly sophisticated skills and activities and a wider variety of literature and media are employed.
- Cultural content includes the role of French in the context of Canada and France and its contributions to the world.
- Real-time language learning experiences and real cultural discussions between our students and those of La Martinique will foster cross-curricular study in these courses.
- At the end of Grade 11 or 12, students meeting pre-set criteria are eligible to apply to Exchange Programs with La Martinique and may also apply to Immersion Bursary Programs within our own country to study at certain universities offering immersion in their Faculty of Languages.

German 9 and German 10

Prerequisite: None

German 9 and 10 introduce students to the basics of spoken and written German through a variety of activities including conversations, presentations, and video.

German 11 and German 12

Prerequisite: German 10 and German 11

German 11 & 12 provide increasingly sophisticated and demanding materials and activities to enable students to acquire fluency and knowledge of Germanic culture and language.

NOTE: German 10 & 11 students may participate in a 10 week German exchange program.

Introductory Spanish 11

Prerequisite: None

This two year program introduces students to the Spanish language, Spanish culture, and Hispanic literature.

A variety of classroom activities include conversations, presentations, audio & video. Increasingly sophisticated and demanding materials and activities are used to enable students to acquire fluency and knowledge of Hispanic culture.

Spanish 11

Prerequisite: Introductory Spanish 11

In the second year of this program, students move into a more advanced study of Hispanic literature and culture, while continuing to improve spoken and written Spanish. A variety of classroom activities include conversations, presentations, audio & video. Increasingly sophisticated and demanding materials and activities enable students to acquire fluency and knowledge of Hispanic culture.

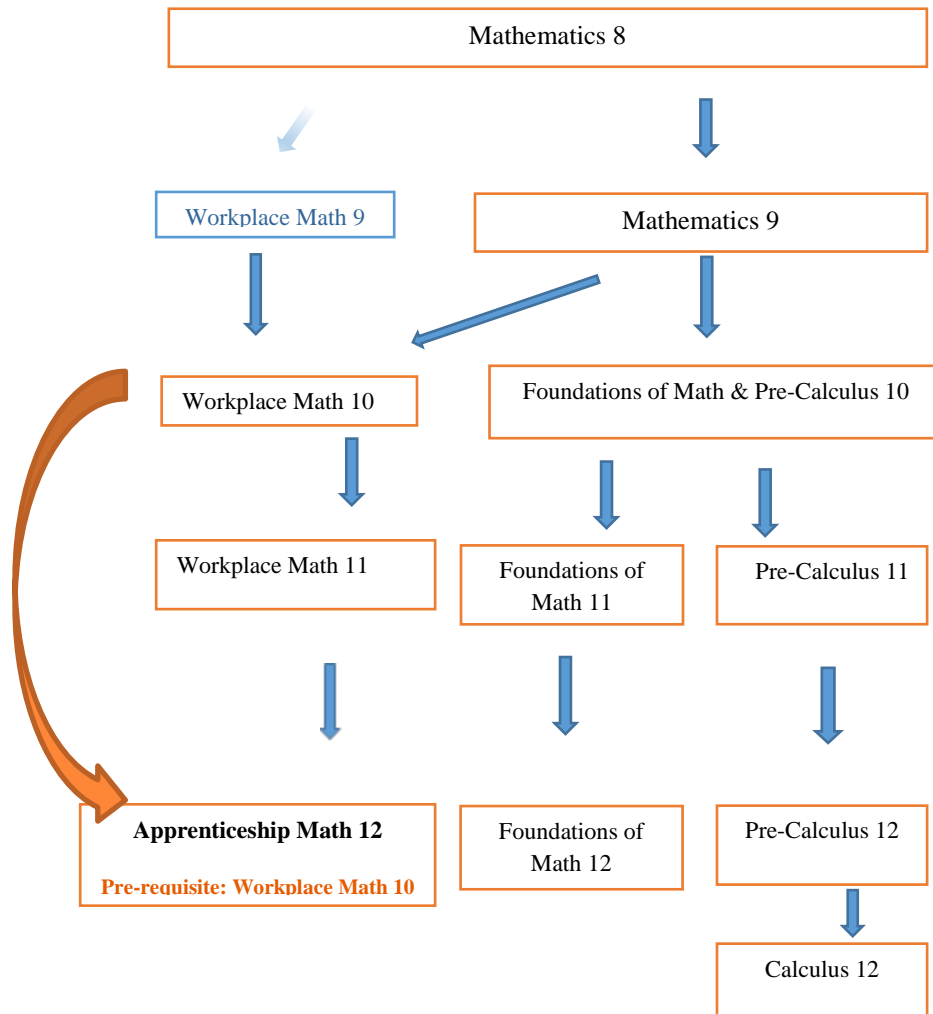
MATHEMATICS

TO GRADUATE, STUDENTS MUST COMPLETE A MATH 10 and *EITHER* a MATH 11 OR a MATH 12. The NEW curriculum no longer adheres to A PATHWAY.

For example: A student who completed Pre-Calculus 11 could choose to take Geometry 12 next.

OR A student who completed Workplace Math 10 could take Apprenticeship Math 12.

Other math choices include: Computer Science 11, Computer Science 12, Geometry 12, and Statistics 12



Math Skills Development Chart

Reasoning and analyzing Understanding and solving Communicating and representing Connecting and reflecting

<p>Workplace Math 9 is a locally developed math class for students, who struggled in Math 8 and need more math skills before taking a regular Math 9.</p> <hr/> <p>WORKPLACE MATH 10 Replaces A & W Math10 CONTENT:</p> <ul style="list-style-type: none"> - Proportional reasoning - Measuring - Flexibility - Analyzing Data - Surface area and volume - Financial Literacy <hr/> <p>WORKPLACE MATH 11</p> <ul style="list-style-type: none"> - Financial literacy - Rate of change - Interpreting graphs - 3-D Objects <p><i>For graduation only.</i> Upgrading required for most college & university programs.</p> <hr/> <p>* APPRENTICESHIP MATH 12 Trades math appropriate for students entering CTC or Apprenticeship programs other than Electrician or Power Engineering.</p> <hr/> <p>GEOMETRY 12 Recommend a grade 11 Math prerequisite. CONTENT:</p> <ul style="list-style-type: none"> - Geometry and Measurement: geometric constructions, circle geometry, tangents, transformations, and non-Euclidean geometries - Focus on problem solving - First Peoples perspectives reflected <hr/> <p>COMPUTER SCIENCE 11 New course: Meets grade 11 math requirements. No Prerequisites. CONTENT:</p> <ul style="list-style-type: none"> - Computational fluency - Data and Probability: ways to represent data types, basic programming concepts, scope, construct, algorithms, use of computers for financial analysis 	<p>COMPUTER SCIENCE 12 No Prerequisite. Not part of a pathway. CONTENT:</p> <ul style="list-style-type: none"> - Computational fluency - Data and Probability: accessing memory, data structures, multi-dimensional arrays, algorithms, Big-O notation, recursive problem solving <hr/> <p>FOUNDATIONS OF MATH and PRE-CALCULUS 10 Directly replaces 2004 Foundations of Math and Pre-Calculus 10 curriculum. CONTENT:</p> <ul style="list-style-type: none"> - Number: polynomial multiplication, factoring, linear equations, financial literacy - Computational fluency: powers, integral exponents, linear relations, slopes and lines - Patterning: geometry, measurement, trigonometry - Data and Probability: graphs - Problem solving - Financial literacy <hr/> <p>FOUNDATIONS OF MATH 11 Directly replaces the 2004 Foundations of Mathematics 11 program.</p> <hr/> <p>FOUNDATIONS OF MATH 12 As above, plus statistics including combinatorics, regressions and regression analysis</p> <hr/> <p>Foundations of Math:</p> <ul style="list-style-type: none"> - Emphasis on both a practical and theoretical focus, which prepares students for post-secondary studies in the arts and social sciences - For students who may pursue post-secondary programs in the arts, humanities, and social sciences (e.g. psychology and social work) <hr/>	<p>PRE-CALCULUS 11 Directly replaces Pre-Calculus 11. CONTENT:</p> <ul style="list-style-type: none"> - Number: operations, powers, rational exponents and radicals, financial fluency, investments, loans - Computational fluency: exponential functions, polynomial factoring, rational expressions, equations, quadratic functions and quadratic equations - Geometry and Measurement: trigonometry including non-right triangles and standard position <hr/> <p>PRE-CALCULUS 12 Pre-Calculus 12 replaces the previous Pre-Calculus 12 but is not part of a pathway. CONTENT:</p> <ul style="list-style-type: none"> - Logarithmic functions and equations, exponential equations, operations and logarithms, polynomial functions and equations, rational functions. - Computational fluency: Transformation of functions - Patterning - Geometry and Measurement <p>Pre-calculus places</p> <ul style="list-style-type: none"> - Emphasis on a more theoretical focus which prepares students to study calculus at post-secondary. - For students who may pursue post-secondary programs requiring mathematics (e.g. science, math, engineering) <hr/> <p>STATISTICS 12 Foundations of Math 11 or Pre-Calculus 11 are recommended as a Prerequisite. CONTENT:</p> <ul style="list-style-type: none"> - Statistical analysis of data including standard deviation, normal distribution, Z-scores, confidence intervals and correlation co-efficient - Sampling techniques and bias, statistical techniques to test validity of hypothesis - Data and Probability
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MATHEMATICS

Mathematics 9

Prerequisite: Math 8

Extends Math 8 topics, including equations, variables, problem solving, number operations, patterns, relations and data analysis.

Workplace Math 9

For students who struggled in Math 8

Provides prerequisite skills for Workplace Math 10. **DOES NOT** lead to the Foundations of Math and Pre-Calculus stream. Students who wish to enroll in Foundations of Math 10 must successfully complete the regular Math 9 course.

Foundations of Mathematics and Pre-Calculus 10

Prerequisite: Regular Math 9 (minimum 60%)

Leads to Workplace Math 11 or 12, Foundations of Math 11, or Pre-Calculus 11. Encompasses a wide variety of mathematical concepts such as algebra & numbers, measurement, relations & functions and trigonometry, and applies them to a variety of related areas.

Workplace Mathematics 10

Prerequisite: Any Grade 9 level Math course

Leads to Workplace Math 11 or Apprenticeship Math 12. Topics include: proportional reasoning, solving equations, types of income, spatial puzzles, Pythagorean Theorem, similarity of polygons, unit conversions, measurement and trigonometry.

Foundations of Mathematics 11

Prerequisite: Foundations of Math and Pre-Calculus 10 (recommended minimum 60%)

Leads to Foundations of Math 12. Emphasis on extending knowledge from Foundations of Math and Pre-Calculus 10. Intended for students inclined toward Humanities rather than entering professions requiring the Sciences or Math.

Pre-Calculus 11

Prerequisite: Foundations of Math and Pre-Calculus 10 (recommended minimum - 67%)

For students continuing in Math, Engineering or the Sciences. A prerequisite for Calculus at most universities and colleges. Includes: algebra (absolute value, radicals, rational expressions & equations), relations and functions, and trigonometry.

Workplace Mathematics 11

Prerequisite: Any Grade 10 level Math course

Builds on Workplace Math 10 skills. Includes slope and statistics. This is an easier math that will allow for graduation. *However, students wishing to do trades or most college and university programs will have to upgrade.*

Apprenticeship Mathematics 12

Prerequisite: Any Grade 10 level Math course

Appropriate for students interested in trades or apprenticeship programs **EXCEPT Electrician or Power Engineering**. Includes measuring using tools with graduated scales, conversions, geometry and trigonometry, 2D and 3D shapes, isometric drawing, math in the workplace and financial literacy.

Foundations of Mathematics 12

Prerequisite: Foundations of Math 11 (recommended minimum - 60%)

For students interested in pursuing post-secondary education in non-scientific and non-mathematic fields. Includes: personal finance, logic, probability, permutation and combinations, relations and functions, and research.

Pre-Calculus 12

Prerequisite: Pre-Calculus Math 11 (recommended minimum - 67%)

For students continuing studies in Mathematics, Engineering or the Sciences. A prerequisite for first year Calculus. Major units: permutations, combinations and binomial theorem, relations and functions, and trigonometry.

Pre-Calculus 12/AP Calculus 12/Calculus 12 (12 credits)

Prerequisite: Teacher recommendation and Pre-Calculus 11 with 80%

Combines Pre-Calculus 12/Advanced Placement Calculus into a single block over two semesters. Pre-Calculus 12 is provincially regulated. AP Calculus 12 is internationally recognized and offered through the U.S. College Board. The AP Calculus 12 course culminates with an AP final exam in early May.

PERSONAL DEVELOPMENT

Career Life Education 10 (Previously called Planning 10)

Prerequisite: None

The goal of this mandatory course is to help students develop skills needed to become self-directed individuals and to help meet grad requirements in the following areas.

- Personal Development: goal setting, lifelong learning, personal financial planning
- Connections to community: explore global trends and economy
- Career Education: essential career and employability skills, post-secondary graduation opportunities, employment standards, labour market trends, workplace safety, and work experience opportunities.

Career Life Education 11 – 12 and Capstone Project (Course development in progress)

Career Life Education 11 – 12 replaces Grad Transitions.

Career Life Education is intended to be an ongoing experience that helps students articulate their growth and development over time. Creating goals and planning for a successful future is key. The final aspect of Career Life Education is intended to be a culminating experience of the 10 – 12 Career Education curricula, by having students complete a final project that demonstrates their learning in an area of interest through an exhibition or presentation. Capstone Project components include creating a proposal, working with a mentor, doing research, creating a product, and doing a presentation.

Leadership 10, 11 and 12

- Introduces topics including self-esteem, self-image, self-awareness, public speaking, time management, meetings, parliamentary procedure, leadership styles, political leadership, communication skills, group process, problem solving, conflict resolution, and stress-management.
- Introduces the concepts of role modeling and various roles of leadership.
- Students chair and organize meetings.
 - Evaluate, teach and advise peers on goal setting.
 - Teach organization patterns.
 - Create/ implement problem solving and decision making solutions.
 - Assess team strengths and weaknesses.
 - Run and plan an event or campaign.

Peer Tutoring 11

Prerequisite: None. Board Authorized course. Some instruction outside the regular timetable

Students MUST HAVE good attendance and positive role modeling. Peer tutors:

- Work in a variety of classroom settings to provide assistance to students who experience difficulties with academics.
- Encourages leadership development in any curriculum area.
- Encourage students to achieve their best and provide a line of communication between the student, the student's teachers and the LA teacher.
- Will be flexible, self-motivated, creative and compassionate.
- Require development of sound interpersonal and communication skills useful in most careers, including those involving 'human resources' - e.g. recreation counsellor, trainer, youth care worker, teacher, and social worker.
- Tutoring assignments will be primarily grade 8 and 9 academic courses.

Peer Helping 12

Prerequisite: Peer Tutoring 11. Board Authorized course. Good attendance required: Min. 80%

- Peer Helping 12 expands upon concepts and skills introduced in Peer Tutoring 11.
- Peer Helpers will learn more specialized mentorship skills and act as social role models.

Psychology 11

The purpose of this psychology course is to introduce students to the scientific study of behaviour and mental processes of humans and other animals. Some of the topics we may cover include methods of research, human development and theories, the human brain and behaviour, learning styles, forensic psychology, altered states of consciousness, such as dreaming and sleep, and psychological disorders.

Psychology 12

Prerequisite: None

The purpose of this psychology course is the continuation of introducing students to the scientific study of behaviour and mental processes of humans and other animals. Some of the topics we may cover include: adolescence (personal and social development), adulthood and old age, sensations and perceptions, personality and individuality, stress and health, therapy and change, and social psychology such as group interactions.

PHYSICAL EDUCATION

Physical Education 9

This course is a graduation requirement that focusses on promoting healthy attitudes and regular physical activity using the curriculum developed by the Ministry of Education. The course is offered as PE 9 *Girls and PE 9 *Boys.

Physical and Health Education 10

This course is a graduation requirement that focuses on promoting healthy attitudes and regular physical activity using the curriculum developed by the Ministry of Education.

- A 4-credit course required for graduation.
- Aim: to enable students to develop the skills they need to become self-directed individuals.
- Focus: goal setting, education and careers, health, finances, and graduation transition.

P.E. 11 (Active Living 11) and P.E. 12 (Active Living 12)

Prerequisite: Physical Education 10

Promotes healthy attitudes and regular physical activity as an important part of lifestyle. Helps students to:

- Apply concepts of a balanced, healthy lifestyle design to programs for themselves and others.
- Apply elements of movement and fitness to improve personal functional levels of competence in a variety of environments and activities.
- Model and apply leadership skills and positive personal qualities to volunteering at school and in the community.

ATHLETE DEVELOPMENT

Basketball 10 and Basketball 11 (Co-ed) X Block

Prerequisite: None. Open to students in Grades 9 - 12. (Does not replace PE 9 or 10) No Fee.

Basketball 10 and 11 is designed to help athletes learn the game of basketball at an elite level. It focusses on:

- Perfecting fundamental skills.
- Playing the game at an elite level.
- Team strategies and individual skill development.

Coaching 11 and Coaching 12

Prerequisite: None. Offered outside of the regular timetable.

- This course will provide students with the practical experience and theoretical knowledge involved in coaching athletic teams. Opportunity to complete N.C.C.P. – Competition Introduction – Parts A and B.
- Available to students in Grades 11 and 12 only.

Fitness and Conditioning 11 and Fitness and Conditioning 12 (Co-Ed)

Prerequisite: PE 10

Monday & Wednesday after school & Friday mornings: participants must attend 3 times per week.

- This course is an introduction to personal fitness training techniques and strategies.
- Students will learn how to create realistic fitness goals, develop their own individual fitness plans, and execute a fitness plan to successfully attain their strength, aerobic and nutritional goals.
- Dual fitness plans, and execute a fitness plan to successfully attain their strength, aerobic and nutritional goals.

Football 11 (Y-Block Semester 2)

Prerequisite: None. Open to students in Grades 9 to 12.

Learn many facets of the sport of Football: It is a game that requires a great deal of athleticism, position, specific skill, and knowledge of strategy. You will learn specific conditioning, skill development, and game play through a combination of physical activities and classroom teaching about the sport. You will gain a key understanding of football fitness, position, and team strategy. After taking Football 11, you will have a better understanding of the sport and you will have developed the skills required to play this dynamic and physically demanding game at an elite level.

Volleyball 11 and Volleyball 12 (Co-ed)

Prerequisite: None. Open to students in Grades 9 to 12. No Fee.

- Designed to supplement the athlete's regular training program.
- Students will receive thousands of ball repetitions during this course.

CANADIAN SPORTS SCHOOL NORTHERN BC

Elite competitive athletes may apply to participate in Sports School. Duchess Park students attend Duchess Park for academic core courses in the two morning blocks. They will focus on athletic training at UNBC in their two afternoon blocks. Students are responsible for transportation between the two schools and for ensuring that they complete all academic courses required for graduation. Contact your counsellor, or a P.E. teacher, or your coach for more information.

SOCCER PROGRAM

Open to players with a wide variety of soccer experience who are serious about improving and building skills, the Duchess Park Soccer Program is aimed at developing the whole athlete. This course is designed for the more serious player looking to continue their soccer development at the select level or beyond.

Soccer 11 and Soccer 12 Y Block

In “Y” block, these courses run out of the **UNBC indoor facility** twice weekly after school and evenings from November through April. Soccer 11 ends with the start of the Select season tryouts.

The course focusses on mastery of technical aspects of the game while learning to apply those skills to specific tactical situations to solve problems. Emphasis on game play. Players practice technical skills and develop tactical awareness through small-sided games.

Soccer 11 /12 provides flexibility for the busy student athlete and may be taken as a 2 credit course by attending only one term or as a 4 credit course by attending both terms.

SCIENCE

Science courses have 3 general goals:

- To develop positive attitudes towards Science.
- To develop the skills and processes of Science.
- To increase students’ scientific knowledge.

Science 9

Prerequisite: None

- Life Science – reproduction.
- Physical Science – atoms, elements, compounds, and electricity.
- Earth Science – energy.

Science 10

Prerequisite: None

- Ecosystems.
- Chemical Reactions, radioactivity.
- Motion – velocity, acceleration.
- Climate change.
- Earth Science – continental drift, earthquakes.

BIOLOGY

Life Sciences 11

Prerequisite: Science 10

As the “study of life,” Life Sciences 11 provides an overview of the vastly different organisms that inhabit the world.

- Key themes include identifying physiological similarities and differences, how organisms have changed through time, and interactions between organisms. Major lab components include use of various microscopes and hands-on dissections. This course includes an extensive amount of vocabulary.

Anatomy and Physiology 12

Prerequisite: Life Sciences 11 or Chemistry 11 are recommended as they are supportive for the biochemistry unit

- Learning themes are branched into cell biology (cytology, DNA, enzymes) and human biology (body systems and processes). Hands-on components require a high level of laboratory skills and development of dissection techniques. Students are required to dissect a fetal pig to create a dissection portfolio. This course has a demanding vocabulary.

Horticulture 11

Prerequisite: None

- A hands-on learning experience for students interested in developing skills in agriculture and horticulture.
- Students will gain knowledge and skills in landscaping, garden development and garden maintenance.
- Covers soil composition and fertility, importance of plants to humans, plant hardiness, botany (plant development, parts and classifications) and plant propagation. Practical and project work are major components of this course.

NOTE: This elective course DOES NOT meet the grade 11 Science requirements

CHEMISTRY

Chemistry 11

Prerequisite: Science 10

Recommended: Good background in math and problem solving. May be taken concurrently with Foundations of Math and Pre-Calculus 10.

- For the university-bound student: expands on the study of physical and chemical properties of matter.
- The introduction to Chemistry covers chemical reactions, bonding, and mole calculations. Other units include atomic structure, organic chemistry, and solution chemistry.

Chemistry 12

Prerequisite: Chemistry 11

Recommended: Strong background in Mathematics and Problem Solving

- Covers reaction rates, equilibrium, solubility, acid-based reactions and electrochemistry. This lab-based course places significant time and effort on correct lab procedures and lab write-ups.

EARTH SCIENCES

Earth Science 11

Prerequisite: Science 10

This course explores the nature of science through a study of:

- Earth materials: minerals & rocks and the economic role of these resources.
- Astronomy - Solar System and Universe.
- Geologic time – fossil record, absolute and relative dating methods.
- Internal processes – review of plate tectonic theory, in depth exploration of the occurrences of earthquakes and volcanoes, and the impact on humans.
- Surface processes – the atmosphere, water cycle, weathering and erosion.
- Oceanography – introduction to the study of oceans.

Geology 12

Prerequisite: Science 10

Many resource-based industries are based upon geology and mineral and rock formation.

This course looks at conditions that affect the formation, arrangement and structure of rocks. Weathering and erosion processes are studied in terms of their impact on continually reshaping landscapes.

The course also looks at how Earth's geological and biological history is interpreted and inferred from information stored in rock strata and fossil evidence. Plate tectonic theory is introduced to show how it is used to explain the changes that occur within Earth and to Earth's crust throughout geological time.

This course should be of particular interest to students interested in resource based industries such as mining or the study of archaeology.

ENVIRONMENTAL SCIENCES

Environmental Science 11

Prerequisite: Science 10

This grade 11 course surveys Forestry, Agriculture, Fisheries, Mining and Energy to provide students with an overview of these resources, which are an important part of the B.C. and Canadian resource economy. The importance of sustainability and conservation, and stewardship is studied with a view to understanding conflicting perspectives and political influences. Resource-related technologies and innovations will be discussed.

Environmental Science 12

Prerequisite: Science 10

Recommended: Environmental Science 11 as a strong background for this course

Grade 12 Environmental Sciences allows students to narrow their focus on to a specific resource of interest such as Forestry, Agriculture, Fisheries or Mining. Students will research career opportunities, economic and political influences, and resource related technologies and innovations

PHYSICAL SCIENCES

Physics 11

Prerequisite: Foundations of Math 10 and Pre-Calculus 10, and Science 10

- This introductory course focuses on motion, forces, waves, nuclear energy, and special relativity.
- Provides a solid base for further study for universities & Physics 12.
- Strong background in algebra and problem-solving is beneficial.

Physics 12

Prerequisite: Foundations of Math 11, and Physics 11, and a strong background in algebra & problem solving

- Studies classic mechanics & electromagnetism designed to help students develop analytical and problem-solving skills.
- Opportunities for students to understand and apply the principles and concepts of physics to practical situations.
- Proper laboratory skills and safety measures will be stressed.
- Topics include: work, energy and power; vector kinematics & dynamics; momentum and equilibrium; circular motion; gravitation; electrostatics; electric circuits, and electromagnetism.

Science for Citizens 11 (Replaces Science & Technology 11)

Not intended for students pursuing science in university, this course integrates the processes of science with the practical uses of science. Curriculum covers technological advances, the impact of technology on our lives and ethical implications of technology.

SOCIAL STUDIES

Students are required to take Social Studies 9 and 10.

Grade 11 students can choose to take a Social Studies 11 OR a Grade 12 “Social Studies” course.

Social Studies 9

Prerequisite: None

Social Studies 9 examines the culture, politics, economy, technology and the environment in Europe and North America from 1500 to 1815. This course may take a multitude of approaches such as:

- **Revolutions** that swept the world from the 1500’s to the 1800’s, the English Civil War, French Revolution, the rise of Napoleon and nationalism, the Industrial Revolution, and finally World War I.
- **British North America** – European explorers and the development of New France, the British colonies, interactions and alliance building between European and First Nations, and implications of those relations on the Seven Years War, the American Revolution, and the movement of European Western Expansion in North America.

Social Studies 10

Prerequisite: Social Studies 9

Social Studies 10 is designed to strengthen students’ examination of what it means to be a Canadian citizen. Particular emphasis is given to Canada’s development during the twentieth century including Canada’s role in World Wars I and II, The Great Depression in Canada, and Canada’s Aboriginal and French Canadian Peoples.

We investigate other social, economic, and political changes, including different political systems, the electoral process, and the Constitution, the Charter of Rights and Freedoms.

Students learn to question how our history impacts contemporary issues in Canada and Canada’s participation in world affairs.

SOCIAL STUDIES 11 or 12 OPTIONS:

Comparative World Religions 12

Prerequisite: Social Studies 10

This project based course explores religious beliefs, across time and place. Students examine and evaluate the characteristics of religion, mythology and spirituality, and their impact on social, political, legal, and environmental values. Comparing and contrasting beliefs provides insights into diverse global cultures and peoples (including First Peoples spirituality and cultures). Using primary source evidence, students analyze historical perspectives and identify continuity and change within religions. Overall, this course encourages students to explore more aspects of the world around them, promoting insight and understanding into others beliefs and practices surrounding religion and spirituality.

Exploration in Social Studies 11

Prerequisite: Social Studies 10

This course provides great latitude in terms of the content of study and will include a focus on either Political Studies, Human Geography or Comparative cultures. Regardless of *content*, Social Studies 11 will help students build skills that expand upon those acquired in Social Studies 10. Social Studies 11 does not have a government exam; however, students may be required to complete one or two research projects. Social Studies 11 is a foundation course for future studies in the humanities and social sciences.

Law Studies 12

Prerequisite: Social Studies 10

A broad survey course of the Canadian Legal System, covering criminal law, civil law, family law, labour law, human rights and the Constitution of Canada and the Canadian Charter of Rights and Freedoms, role of the judiciary as a constitutional check on legislative power, legislation concerning First Peoples, Canada's correctional system. Students will gain an appreciation of the evolution of Canadian law, legal institutions, and the legal challenges created by a changing society. A case study method is used to provide a high level of student interest and involvement.

Physical Geography 12

Prerequisite: Social Studies 10

Geography is the foundation for many studies of inquiry: When you understand the Earth as a planet and its relationship to the sun, and when you learn about the physical characteristics of place, you begin to understand the role of geography on environment, on the evolution of people and cultures and ideas. As you begin to understand Earth as the homeland for human beings and other species, you begin to understand the interconnectedness of it all. In Physical Geography 12, you look at:

- Weathering, erosion, tectonic motion and volcanism, dynamics of atmosphere and its influence on weather.
- Climate change, global warming, and the consequences to our environment.
- Mapping.
- Introduction to GPS (Geographic Positioning System) and GIS (Geographic Information System).
- Learn about all of the amazing careers that flow from a study of geography.

Social Justice 12

Prerequisite: Social Studies 10

- The focus of Social Justice 12 is to help students recognize and understand causes of injustice.
- Students learn to analyze a variety of social injustices in the world such as poverty, Aboriginal Peoples and the law, genocide, women and social justice, and globalization.
- Students will be challenged to examine their own beliefs and values.
- Students learn ways to realize their capacity to effect positive change toward a more socially just world.

20th Century World History 12

Prerequisite: Social Studies 10

- Using methods of historiography to analyze and evaluate historical evidence to determine its reliability and significance.
- Applying those methods to a study of political, economic, social and technological changes of the 20th century after 1919.
- Focus: Consequences of WWI, Russian Revolution, Boom & Bust in USA, Rise of Fascism in Italy & Germany, WWII.
- Students will be challenged to examine their own beliefs and values.
- Students learn ways to realize their capacity to effect positive change toward a more socially just world.

COURSES OFFERED OUTSIDE THE REGULAR TIMETABLE

Basketball 10 and Basketball 11 (Co-ed) (X Block – Early Morning)

Prerequisite: None. Open to students in Grades 9 - 12. (Does not replace PE 9 or 10) No Fee.

Basketball 10 and 11 is designed to help athletes learn the game of basketball at an elite level. It focusses on:

See course description on page 32

Biology: Anatomy and Physiology 12 (X Block – Early Morning)

Prerequisite: Life Sciences 11 or Chemistry 11 are recommended as they are supportive for the biochemistry unit

Learning themes are branched into cell biology and human biology

See course description on page 33

Biology: Life Sciences 11 (X Block – Early Morning)

Prerequisite: Science 10

Looks at physiological similarities and differences, interactions between organisms and how organisms changed through time.

See course description on page 33

Cafeteria 11 & 12 (X and Y Block)

Prerequisite: A Previous Grade 10, 11 or 12 Foods Course

This course provides an opportunity for students to earn both Leadership and Cafeteria credits.

Students develop baking and service skills by preparing baked goods such as muffins, bread, cookies, and crepes, and snacks after school for service in the school cafeteria the next morning.

A Food Safe certification Level 1 is a component of this course.

Coaching 11 and Coaching 12 (Outside the Regular Timetable)

Prerequisite: None. Available to Grade 11 & 12 students only. Offered outside of the regular timetable

- This course provides practical experience and theoretical knowledge involved in coaching athletic teams.
- Opportunity to complete N.C.C.P. – Competition Introduction – Parts A and B.

Chemistry 11 (X Block – Early Morning)

Prerequisite: Science 10. Good background in math and problem solving.

Covers chemical reactions, bonding, mole calculations, atomic structure, organic chemistry and solution chemistry.

See course description on page 34

English Studies 12 ** (X Block – Early Morning)

Prerequisite: An English 11

This required course builds on and extends students' previous learning experiences in English Studies.

See course description on page 24

Exploration in Social Studies 11 (X Block – Early Morning)

Prerequisite: Social Studies 10

Exploration in Social Studies has great latitude in terms of the content of study and could include a focus on either political studies, human geography or comparative cultures.

See course description on page 36

Fitness and Conditioning 11 & Fitness and Conditioning 12 (Co-Ed) (X & Y Block)

Prerequisite: PE 10. Monday & Wednesday after school & Friday mornings: Participants must attend 3 times per week.

This course is an introduction to personal fitness training techniques and strategies.

See course description on page 32

Football 11 (Y Block – After School, Semester 2)

Prerequisite: None. Open to students in Grades 9 to 12

Learn specific conditioning, skill development, and game play through physical activities and classroom teaching.

See course description on page 32

Instrumental Music 9, 10 11 and 12 - Jazz Band (X Block – Early Morning)

Prerequisite: None

This mixed grade course specializes in music from the Jazz idiom to modern day styles.

See course description on page 23

Instrumental Music 10, 11 and 12 - Concert Band (X Block – Early Morning)

Prerequisite: None

This is a touring group. Students play in concerts for in-school functions and festivals in and out of the city.

See course description on page 23

Leadership 10, 11, & 12 (X Block – Early Morning)

Prerequisite: None. Board Authorized Course

You will have opportunities to take on leadership roles of increasing responsibility.

See course description on page 31

Outdoor Education 11 & 12 (Outside the Regular Timetable, Year Long)

Open to Grade 11 and 12 students who are interested in the great outdoors. Offered outside of the regular timetable.

This is a full year, activity oriented course, in which students participate in outdoor activities and develop the skills and knowledge associated with outdoor pursuits. Classroom time will consist of one to two blocks a week (X, Y, or L blocks). The practical portion of this class will occur in partial, full, and multi-day field trips. The course content may include wilderness safety, multi-season camping skills, general outdoor skills, preparation for outdoor activities, wilderness survival, paddling, backpacking, food preparation and meal planning, first aid, cycling, communication skills, avalanche awareness, snowshoeing.

Peer Tutoring 11

Prerequisite: None. Board Authorized Course. Some instruction outside of the regular timetable.

Students MUST HAVE a good attendance record and positive role modeling.

Peer Tutors work in a variety of classroom settings to provide assistance to students who experience difficulties with academics.

See course description on page 31

Peer Helping 12

Prerequisite: Peer Tutoring 11. Board Authorized Course. Good attendance record required.

Expands upon Peer Tutoring as peer helpers learn more specialized mentorship skills and act as social role models.

See course description on page 31

Volleyball 11 and Volleyball 12 (Co-ed) (X Block – Early Morning)

Prerequisite: Physical Education 10. Open to students in Grades 9 to 12. No Fee.

Woodwork/Construction 9 – 12 (X Block - Early Morning)

Prerequisite: None

Students will learn to read plans, cut to precise measurements and assemble parts to create small structures. Students may build dog houses, garden sheds or planter boxes.

Soccer 11 and Soccer I.D.S. (Y Block – After School)

This course runs out of the **UNBC indoor facility**. It is a Y-Block class offered twice a week after school and evenings from November through April. Soccer 11 ends with the start of the Select season tryouts.

See course description on page 33

Work Experience and Career Exploration 12 - 2019

Prerequisite: None. Open to students in Grades 10, 11 & 12.

Students explore a variety of career directions to help them with future career and post-secondary options.

Work Experience 12 and work placements, generally occur outside of the regular course schedule.

See course description on page 16

SPECIAL PROGRAMS OFFERED WITH EXTERNAL PARTNERS

CNC CAREER & TECHNICAL CENTRE

Entry to CTC Apprenticeship programs is by application. To be considered, students must have a minimum 65% grade point average in core subjects and they must be in a position to graduate.

CNC Career Technical Centre (CTC)

CTC is a partnership between School District No. 57 and CNC that allows high school students to attend CNC for one or two semesters in grades 11 and/or 12, allowing the student to graduate with both a Grade 12 Diploma and a CNC Certificate in one of the following areas:

<ul style="list-style-type: none">• Automotive Service• Collision Repair• Carpentry & Joinery• Culinary Arts (Grade 12 only)• Dental Studies (introductory evening course for Gr. 12)• Electrical/Electronics	<ul style="list-style-type: none">• Heavy Duty/Commercial Transport Mechanical Repair• Industrial Mechanic (Millwright) / Machinist• Natural Resources and Environmental Technology (those entering Grade 12 only)• Welder Fitting Skills
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For many of the above programs, students will earn a first year apprenticeship in their chosen trade. Students apply in their grade 10 year. For more information see your counsellor or contact Doug Borden, CTC Coordinator @ 250-561-5858.

CNC or UNBC DUAL CREDIT PROGRAM

Entry by application. Students must be in a position to graduate.

Through a partnership between School District 57, College of New Caledonia and The University of Northern British Columbia, this program offers Grade 12 School District 57 students the opportunity to gain first-hand experience in a first-year university level course. Grade 12 students in good standing, with recommendation from their principal or guidance counsellor, may enroll with UNBC or CNC to earn high school elective credits while also earning first-year university credit towards a degree.

In order to qualify for dual credit:

- The British Columbia Ministry of Education requires that the course be approved by a representative of School District 57 before the student registers for the course.
- Students must obtain the signature of their principal (or counsellor) and a parent or guardian (if under 18 years old) indicating that they are capable of successfully completing a university level course.
- Students may take up to three courses from UNBC or CNC for Dual Credit, but they may only take one course at a time.
- Upon completion of the course(s), a transcript will be mailed to School District 57 (Prince George).
- Successful completion of a Dual Credit course does not guarantee future admission to UNBC or CNC.

SCHOOL DISTRICT `57 PROGRAMS

Canadian Sports School Northern BC

Elite competitive athletes may apply to participate in Sports School. Duchess Park students attend Duchess Park for academic core courses in the two morning blocks. They will focus on athletic training at UNBC in their two afternoon blocks. Students are responsible for transportation between the two schools and for ensuring that they complete all academic courses required for graduation. Contact your counsellor, or a P.E. teacher, or your coach for more information.

SD `57 Career Education Programs:

Career Education helps students explore a wide range of diverse working environments. The focus is to encourage students to seek out opportunities that will benefit them in making a confident career decision. Students can choose to participate in a variety of exciting programs that will train them to develop the skills they need to establish a stable career.

Careers in Health Care UNBC: Explore the *Physiotherapy Program*, the *Northern Medical Program*, the *Nursing Program* and UNBC's *Health Sciences Programs*. There will be lectures, a question and answer session, demonstrations and tours of UNBC and the Northern Medical Program facilities.

CNC/UNBC Tours: Offered to Grade 10-12 students keenly interested in learning more about the *Ecosystem Science and Management Program Degrees* *at UNBC and/or the *Natural Resources and Environmental Technology Diploma Program(NRET)* at CNC. Both programs offer a wide range of career options to those interested in all aspects of resource and environmental management. If students like the outdoors and enjoy the sciences, this may be just the opportunity for them.

Futures in Health at CNC – Med Lab/Nursing: Explore the *Medical Radiography Technology Diploma Program*, the *Health Care Assistant Certificate Program*, and the *Dental Assisting Certificate Program*.

Futures in Health at CNC – Med Lab/Health Care Assistant/Dental: Explore the *Medical Radiography Technology Diploma Program*, the *Health Care Assistant Certificate Program*, and the *Dental Assisting Certificate Program*.

Heavy Metal Rocks: This program run jointly by the Prince George Construction Association and School District #57 provides students with exciting hands-on experiences operating heavy equipment found in the construction industry.

Junior Initial Attack: This program is a highly selective program for Grade 12 students. The selected students will complete training with the Wildland Fire Service over the course of the school year. The best five students from the training will be offered employment with the Wildland Fire Service in July of their graduation year.

Kindergarten Health Circuits: Northern Health short term work experience opportunities for Grade 11 & 12 students to assist healthcare professionals with various immunizations and tests in dental hygiene, audiology, ophthalmology and general health during the annual health exams of School District '57 Kindergarten students.

Prince George Fire Rescue: Students interested in a career in structural firefighting are encouraged to apply. Students are assigned to a fire crew and follow their daily regime of training and attending calls.

RCMP Youth Academy: This program is offered to students interested in a career in policing or law enforcement. Students are provided with a “boot camp” style experience during a week of their Spring Break. RCMP officers provide training opportunities on a wide range of topics from major crimes to victim services.

Other Opportunities: Adventures in Health Care, Northern Opportunities, Young Entrepreneurs, CHOP 57 and more!!!!

**For more information, visit <https://www/sd57.bc.ca/school/cla/career/Pages/>

Youth Work in Trades (WRK) (Secondary School Apprenticeship)

Students 15 years or older working in a trade leading to an apprenticeship with a Journeyman trades person may be eligible for up to sixteen course credits. Students who are interested and currently working or planning to work in an appropriate trade should contact their Counsellor. The documentation and administration of this program occurs at the district level through the WRK Coordinator, Bruce Northrop. If you have questions, he can be contacted through your school Counsellor.

NIGHT COURSES



Continuing Education
CENTRE FOR LEARNING ALTERNATIVES
SCHOOL DISTRICT NO. 57 (PRINCE GEORGE)

3400 Westwood Drive, Prince George, BC, V2N 1S1

Phone: (250) 564-6574 Fax: (250) 563-5487
www.sd57.bc.ca

February 8, 2019

To Prince George Students, Parents, and Guardians,

**Grade 11 and 12 Courses Now Available in Evening Sessions at
Duchess Park Secondary for Fall and Spring Semesters Starting in
2019-20.**

School District No. 57 (Prince George) is piloting the opportunity for Gr. 11 & 12 students in the Prince George region to take some of their grade 11 or 12 courses in evening sessions starting in September 2019. The courses are organized through the Continuing Education department and will be taught by district teachers. These version of the courses will have similar demands as the sections which are offered during the daytime.

We hope that students will find the additional times for course offerings will allow them more flexibility in fulfilling their graduation requirements.

Please see the accompanying course selection sheet for which courses are being offer. Students applying for courses must be 16 years old by July 1, 2019. Grade 11 students whose birthdays are later in the year will be placed on a waiting list and can participate if spaces are available.

For more information, please contact your child's school counselor to discuss the options for them.

Sincerely yours,

Tom Paterson
Director of Learning Pathways