

École Duchess Park Secondary

Course Description Guide

Grade 8

2021-2022



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Updated February 17, 2021

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Welcome to École Duchess Park Secondary

We look forward to welcoming our new grade 8 students, parents, and guardians to **École Duchess Park**. The purpose of this guide is to introduce you to our grade 8 program. We will also provide a snapshot of information about the courses students require in order to graduate in grade 12.

École Duchess Park Secondary values the support of parents and guardians:

- We communicate with parents via email, our website and text messages.
- We look forward to seeing you at parent/teacher night, which we host twice a year.
- We encourage parents and/or guardians to maintain an email connection with teachers and counsellors: All ÉDPS staff email addresses are listed on the École Duchess Park Website.
<http://www.sd57.bc.ca/school/duch>
- Many teachers post their course outlines, assignments, due dates and marks on line.

École Duchess Park Secondary encourages parent involvement in:

- School events
- PAC or SPC
- Tournaments
- Coaching a team

To help students be successful at high school, we ask them to:

- Talk to parents/guardians about what they are doing in school.
- Use a planner to keep on top of deadlines – turn work in on time.
- Ask for parents help in selecting a good time and central place for homework:
 - 20 minutes per night per core subject in grade8
 - 45 minutes per night per core subject in grades 9 and 10
 - 1 hour per night per core subject in grades 11 and 12
- Stay organized
 - Do corrections
 - Study for tests
 - Seek out help if needed.
- Get enough sleep.
 - Know when to turn off “screens” (it takes an hour for the brain to shut down after using a computer, video game or cell phone for social networking before they can actually sleep).
 - Turn off cell phones during class.
- We recommend grade 8 students stay “on campus” during lunch. Most students bring a lunch and eat in our “central canyon.” We do not have a full concession. Most Wednesdays, however, restaurant food may be offered for sale. Pizza is sometimes offered for sale during student fund raisers. A “meal plan” is available for those who need it.
- We encourage students to regularly check school monitors for opportunities such as inter-murals or other school events.

Contacts

EDPS Administrative Team

Principal	Sid Jawanda
Vice Principal	Neil Busby
Vice Principal	Cathy Johnson

EDPS Counsellors

A - G	Lynne Pakenham
H - N	Kirk Elliot
O - Z	Jeff Goodrich

Most students entering Duchess Park in grade 8 will be with us for five years. We want their high school experience to be a positive one. We want all of our students to be aware of and feel comfortable accessing various supports and opportunities in the building.

Students are encouraged to get to know their Principal and Vice Principals.

Counsellors are available to provide students with programming assistance, academic, social, emotional and other support.

Youth care workers offer emotional and social support to all students.

Our Indigenous Ed Department provides an additional level of support to Indigenous students, who wish to access support from our Indigenous Social Worker or Indigenous Education Workers.

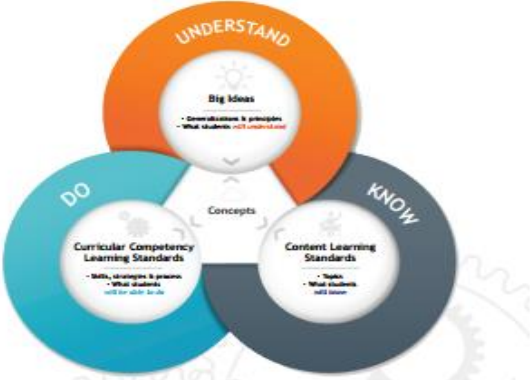
Once transitioned to high school, we recommend that students get to know the adult supports in the building, and to keep in touch with their counsellors as they start to form questions about their courses and future programs.

Please feel free to contact École Duchess Park Secondary at 250-563-7124 if you have any questions or concerns. We look forward to hearing from you. Information for all École Duchess Park Secondary staff can be found on our web page: [Staff Directory - Duchess Park Secondary](#)



GRADE 8 NEW CURRICULUM AND PROGRAM DELIVERY.

Our school curriculum reflects the B.C. Ministry of Education model.

<h3>Curriculum Model</h3> <p>The curriculum model is made up of three elements: Content, Curricular Competencies, and Big Ideas. Teachers combine the three elements in ways they see fit to personalize learning in their classrooms.</p> <p>Content What students are expected to know</p> <p>Curricular Competencies What students are expected to do</p> <p>Big Ideas What students are expected to understand</p>  <p>The model pulls together the best from modern learning theories and BC teachers' advice. At the outset, BC educators said, curriculum needs to:</p> <ul style="list-style-type: none">• be flexible to better enable teachers to innovate• focus on higher-order learning• address Core Competencies• integrate Aboriginal world views and knowledge• respect the unique nature of disciplines while supporting cross-curricular learning	<h3>Core Competencies</h3> <p>Core Competencies are at the centre of the curriculum redesign in BC.</p> <p>Core Competencies are sets of intellectual, personal, and social and emotional proficiencies that all students need to develop in order to engage in deeper learning. The Core Competencies include thinking, communication, and social and personal competencies.</p> <div><p>Thinking</p><p>T</p><ul style="list-style-type: none">• Creative Thinking• Critical Thinking<p>Communication</p><p>C</p><p>Personal and Social</p><p>PS</p><ul style="list-style-type: none">• Positive Personal/Cultural Identity• Personal Awareness and Responsibility• Social Awareness and Responsibility</div> <p>Competencies are embedded and evident within the learning standards. They come into play when students are engaged in "doing" in any area of learning. Together, the literacy and numeracy foundations, essential learning, and Core Competencies contribute to the development of educated citizens.</p>
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École Duchess Park Secondary Programs

École Duchess Park proudly offers a diverse educational program to meet the needs of our students.

École Duchess Park offers three academic streams.

1. English Stream
2. French Immersion
3. Francophone

École Duchess Park`s Grade 8 Transition Model.

English Stream Program

The grade 8 English program at Duchess Park will attempt to bridge the “gap” between elementary school and high school.

Grade 8 students will be enrolled in supportive cohorts for a full year. Grade 8 core classes include the Humanities, (English and Social Studies), Math and Science. Students will also be enrolled in Physical Education, French, and exploratory courses.

Grade 8 students take exploratory courses in period 4. Soccer and Band are electives offered at 7:30 a.m.

Teachers will work collaboratively to facilitate student learning by helping students make connections across the curriculum. Students will have fewer teachers, and there will be more integration of skills competencies and content.

We will attempt to be responsive to students’ need for support. **Support blocks** may be offered to students based on need and ongoing team consultation between the school and parents.

As determined by assessment or teacher recommendations, grade 8 students may access:

Learning Assistance 8 (English Stream)

Some students may benefit from learning assistance to support core learning and/or to provide specific support in:

- Numeracy
- Literacy
- Social Emotional

In addition to helping students improve in one or more of these areas, the learning assistance teacher will co-ordinate with mainstream teachers and teach strategies and adaptations to support student learning.

Special Learning-Needs Resource Program

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

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.

Like the English Stream Program, our Grade 8 French Immersion Students will be scheduled in cohorts. Most of their core classes will take place in the morning blocks. In period 3, they will take English 8 and PE 8 on alternating days throughout the year. French Immersion students will join English Stream students for exploratory courses in period 4 year-long.

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.

FRANCOPHONE 8

Les élèves francophones de 8^e, 9^e et 10^e 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.



MATHEMATICS

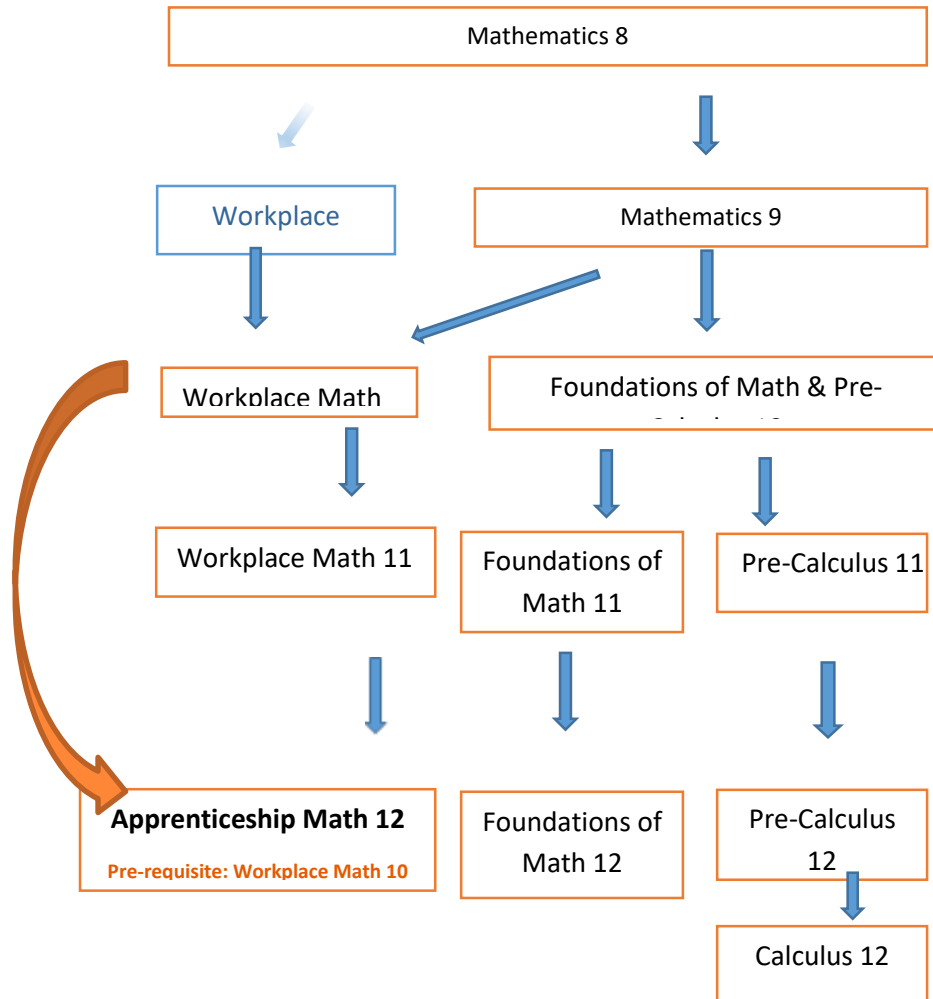
TO GRADUATE, STUDENTS MUST COMPLETE A MATH 10 and ***EITHER*** a MATH 11 OR a MATH 12.

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 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 and 11 CONTENT:</p> <ul style="list-style-type: none"> - Number: Financial literacy - Computational Fluency - Patterning - Geometry and Measurement 3D - Data and Probability <hr/> <p>APPRENTICESHIP MATH 12 Pre-Requisite: Workplace Math 10 Appropriate for CTC Apprenticeship programs except Electrician & Power Mechanics.</p> <hr/> <p>COMPUTER SCIENCE 11 Meets grade 11 math requirements. No pre-requisites CONTENT: Computational Fluency, data and probability</p> <ul style="list-style-type: none"> - Ways to represent data types, basic programming concepts, scope, construct, algorithms, use of computers for financial analysis. <hr/> <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 Stream</p> <ul style="list-style-type: none"> ➤ This math stream has both a practical and theoretical emphasis that 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). 	<p>FOUNDATIONS OF MATHEMATICS and PRE-CALCULUS 10 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 MATHEMATICS 11</p> <hr/> <p>FOUNDATIONS OF MATH 12</p> <ul style="list-style-type: none"> - As above plus statistics including combinatorics, regressions and regression analysis. <hr/> <p>GEOMETRY 12 Pre-Requisite: A Grade 11 math 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>Pre-calculus Stream</p> <ul style="list-style-type: none"> ➤ This math stream has a theoretical emphasis that prepares students to study post-secondary calculus. ➤ For students interested in electrician, power engineering, and post-secondary programs in science, math and finance. 	<p>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. <p>Geometry and Measurement: trigonometry including non-right triangles and standard position.</p> <hr/> <p>PRE-CALCULUS 12 CONTENT: 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> <hr/> <p>STATISTICS 12 Foundations of Math 11 or Pre-calculus 11 is recommended as a pre-requisite. 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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COURSE DESCRIPTIONS

GRADE 8 CORE ACADEMIC COURSES

Grade 8 core academic courses lead to the grades 9, 10, 11 and 12 courses required to meet BC Ministry of Education graduation requirements. Core Academics may be taken in English or French, depending upon whether the student is enrolled in the English, French Immersion or Francophone program. Successful completion of any of these regular programs leads to a *B.C. Graduation Diploma*.

ENGLISH STREAM

French 8

The BC Ministry of Education deems it compulsory for students to take a second language from Grade 5 through Grade 8.

French 8:

- integrates language skills in reading, writing, listening & speaking by using a variety of literature and media.
- increases vocabulary and knowledge of the Francophone world.

Humanities 8

Humanities 8 blends language skills in reading, writing, listening and speaking with Social Studies 8. This year-long blended course focusses on improving communication to better understand the world around us through the study of history, geography, literature, poetry, non-fiction, grammar and writing skills, and visual communication. Students will also learn how to be successful high school students by learning organization, time management, note taking, brain storming, problem solving, critical thinking, use of technology, library and research skills, and study and test-taking strategies.

Math 8

Math 8 begins with a review of concepts learned in elementary school, reinforcing and extending basic math skills such as problem solving, number operations, patterns & relations, space and shape, statistics and probability. It is hoped that by integrating math skills with concepts learned in science and exploratory courses, through projects and cross-curricular learning, students will have a better grasp of how math is used in the world and feel more confident as math students moving forward.

Science 8

Science 8 focusses on the exploration and discovery of the Scientific World. Students work in science labs to investigate:

- cells and systems.
- optics.
- fluids and dynamics.
- water systems on Earth.

It is hoped that by integrating math skills with concepts learned in science, students will have a better grasp of the relationship between the skills and concepts learned in each class, and become more confident and engaged students.

FRENCH IMMERSION CORE COURSES

Taking French as a second language inspires students to deepen their understanding of French culture while at the same time becoming more confident in their ability to express themselves in both oral and written French. Students in the French Immersion Program must take Français through to grade 12 to earn a dual graduation certificate in both English and French.

English 8

All French Immersion 8 students take an English 8 class that integrates language skills in reading, writing, listening and speaking. Visual communication is also studied.

French Immersion Humanities 8: (Combines Français Langue Seconde 8 et Sciences Humaines 8)

Français Langue Seconde continues to focus on oral and written French language acquisition

Sciences Humaines 8 – F.I.

Social Studies is a Ministry requirement through to grade 11. French Immersion take Social Studies in French as Sciences Humaines in grades 8, 9, 10, and 11. These courses delve into past civilizations to examine their impact on current society and cultures.

Sciences Humaines 8:

- focusses on society and culture from about 500 to 1600 A.D.
- investigates characteristics of civilizations around the world.
- explores reasons for their rise and fall.
- explores geographical concepts.

Mathématiques 8 – F.I.

Mathématiques 8 focuses on reinforcing and extending basic math skills including problem solving, number operations, patterns & relations, space & shape, statistics & probability. Students will take math in French up to and including mathématiques 10. Grade 11 & 12 math is offered in English.

Sciences 8 – F.I.

Science is a Ministry requirement through to grade 11. Sciences 8 (F.I.) focusses on the exploration and discovery of the Scientific World. Students work in science labs to investigate:

- cells and systems.
- optics.
- fluids and dynamics.
- water systems on Earth.

FRANCOPHONE PROGRAM

The Francophone program is available to students from a French background or to those who have attended a Francophone School. Francophone students take Français Langue Première in grades 8 – 12.

PHYSICAL EDUCATION 8

All Grade 8 students take PE 8.

Physical Education (P.E.) is a Ministry requirement through to grade 10.

- P.E. involves participation in a wide range of activities to develop personal wellbeing and provides a basis for lifelong healthy living.
- Activities may be selected from among games, dance, gymnastics and other activities.
- P.E. 8 is offered year-long, every other day.

GRADE 8 EXPLORATORY COURSES

Grade 8 students take a variety of “short-term” exploratory courses to expose them to areas of interest that may lead to more detailed study in later grades. Exploratory courses Duchess may offer include:

Art Education 8

Students will learn various skills and techniques for drawing and painting and 3-D art using clay and other media.

Career Ed 8

Students begin with *myBlueprint*. The grade 8 focus is to increase self-awareness around their personal learning styles and how preferences and aptitudes affect them in school and in their personal lives.

Computers – Digital Media 8

Students learn how to use computers effectively and productively. Topics covered may include typing, word processing, research, and an introduction to programming.

Drama 8

Students are introduced to theatre games, mime, story-telling, short performances, acting-basics (voice, gesture, posture, facial-expression), creating characters and communicating emotions to an audience.

Food and Nutrition 8

Students will be introduced to food preparation and health and nutrition.

Metalwork 8

Students will be introduced to the Metal Work shop and learn basic skills used to cut, shape and join different types of metals.

Robotics 8

Students learn script-based (drag & drop) programming for use with robots. Students work individually or in groups to learn locomotion, remote control, sensors, and interaction with the environment.

Science Exploration 8

An exciting project based science course that provides an opportunity for students to do different types of science experiments.

Woodwork 8

Students will be introduced to safety in the Woodworking shop as well as creating a project.

ELECTIVE COURSE: BAND 8

Band 8 – X Block: An optional course offered two days per week at (7:30 a.m.)

Interested students confirm their wish to take band by submitting a grade 8 course request form.

Students begin to learn how to perform music with a chosen instrument through carefully sequenced activities of increasing difficulty that prepare them for band in grades 9-12. This class is an optional elective with a start time of 7:30 a.m.

DUCHESS PARK'S MANDATE: Help students stay connected to their school

Some ways we help students transition from elementary to high school include:

- Presentations at elementary school to give students a first glance at Duchess Park and High School.
- Maintaining a strong connection with elementary schools to learn how best to support new students.
- Grade 8 Parent Information Meetings.
- Touring grade 7 students through Duchess and consulting with grade 7 teachers.
- Grade 8 Academy: Two days where new grade 8 students experience Duchess Park in a fun way
- Grade assemblies.
- Connecting our students to various extracurricular programs and activities.
- Encouraging kids to get involved with their school.
- Providing opportunities for student to support and help each other.
- Maintaining communication and trust between the school, our students, and parents and guardians.
- Building programs and supports to meet the needs of our students.

See the Duchess Park Website for information about events and activities going on throughout the year.

Sports	Clubs, Events, Activities	Clubs, Events, Activities
<ul style="list-style-type: none">• Badminton• Basketball• Cross-country• Football• Golf• Rugby• Skiing & Snowboarding• Soccer• Table Tennis• Track and Field• Volleyball	<ul style="list-style-type: none">• Art• Band• Charities• Crafts• Committees• Drama• Drum Building• Duchess Park Idol• E-Sport• Fashion Show• Flying U	<ul style="list-style-type: none">• Leadership• L.G.B.T.Q.• Me to We• Pink Day• School Dances• Student Council• Terry Fox• Trips• Volunteer• Condor Connections• and more...

GRADE 8 MATTERS!

Grade 8 is a step along the way to graduation!

GRADUATION

To graduate in grade 12, students must have successfully completed:

- An English 10, 11 & 12
- (French Immersion & Francophone students must also have Français 10, 11 & 12)
- Career Life 10, 11 & 12
- A Math 11 or 12, Science 11 or 12 and Social Studies 11 or 12.
(French Immersion & Francophone students take Sciences Humaines 11 & Mathématiques 11).
- A Math 10, Science 10, Social Studies 10 & P.E. 10.
(French Immersion & Francophone Students take Mathématiques 10, Sciences 10 & Sciences Humaines 10).
- A minimum of three additional grade 12 courses.
- Additional elective courses including a fine arts or applied skill course for a minimum of 80 credits.
- Upon successful completion of the program, students receive a BC Dogwood Graduation diploma.

French Immersion

The *French Immersion Program* gives students an opportunity to achieve functional competency in the French language and familiarizes students with the Francophone culture.

Upon successful completion of the program, French Immersion students will receive a French Immersion Graduation certificate as well as the regular B.C. Dogwood Graduation Diploma.

Francophone

Students who graduate from Programme Francophone will receive *the Diplome de fin d'études secondaires on Columbie-Britannique* (French Dogwood Diploma).

Students who also successfully complete English 10, 11, and 12 will also receive the regular *BC Dogwood Graduation Diploma*.

