Welcome to Pleasant Valley Secondary

2019-2020 Course Catalogue

Phone 250-546-3114

Registration information is available on the PVSS website at https://pvs.sd83.bc.ca
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Things to Consider Before Choosing Your Courses

Grad Requirements

Have you chosen the correct courses to help you graduate on time? See the list below for the current British Columbia Grad Requirements. Only grade 10-12 courses count towards graduation credit requirements.

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<tr>
<th>CREDIT REQUIREMENTS</th>
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</thead>
<tbody>
<tr>
<td>Grade 10-12 New Graduation Program 80 Credits required</td>
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<tr>
<td>At least 16 credits must be at the Grade 12 level, including a required Language Arts 12</td>
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<tr>
<td>At least 28 credits must be elective course credits</td>
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<tr>
<td>52 credits of the required 80 must come from the following:</td>
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<tr>
<td>~ Physical and Health Education 10 (4 credits)</td>
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<tr>
<td>~ Science 10 (4 credits), and a Science 11 or 12 (4 credits)</td>
</tr>
<tr>
<td>~ Social Studies 10 (4 credits), and a Social Studies 11 or 12 (4 credits)</td>
</tr>
<tr>
<td>~ A Math 10 (4 credits), and a Math 11 or 12 (4 credits) (Provincial Numeracy Assessment for students graduating.)</td>
</tr>
<tr>
<td>~ A Language Arts 10, 11 &amp; 12** (12 credits total)</td>
</tr>
<tr>
<td>Students graduating after 2019 will complete the Graduation Literacy Assessment (to be introduced Jan. 2020)</td>
</tr>
<tr>
<td>~ An Arts Education 10, 11, or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12 (4 credits total)</td>
</tr>
<tr>
<td>~ Two Career Education courses (8 credits total)</td>
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<tr>
<td>Students are now on the New Graduation Program and will be able to meet the Career Education requirement with any of the following combinations:</td>
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<tr>
<td>~ Career Life Education / Career Life Connections + Capstone</td>
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<tr>
<td>For 2019-2020 and beyond, Career Life Education and Career Life Connections + Capstone will be used in all BC schools.</td>
</tr>
</tbody>
</table>

All Ministry-authorized and Board/Authority-Authorized courses count.
Entrance Requirements for Post-Secondary Education

Will the courses you have chosen allow you to enroll in the Post-Secondary program of your choice? If you are planning to attend a university, a college, a technical institution, or an art college, you should consult a counselor regarding the pre-requisites for that program. Students planning to attend school in the USA must also write the ACT or the SAT entrance exam.

Local Scholarship Opportunities

Will the courses you have selected qualify you for local scholarships? Local merchants, organizations and service groups contribute generously to the Pleasant Valley Scholarship Fund to encourage students to further their education. Students attending PVSS have opportunities to receive scholarships, bursaries and awards based on performance in their final years of schools. Exceptional accomplishments as well as overall citizenship and deportment are considered. For more information on local scholarship opportunities check the scholarship information booklet published every March or consult a counselor.

Distance Learning

Are you planning to supplement your education with Distance Learning courses? All courses that fall within the graduation program, i.e. courses Grade 10 through 12, are tuition free. PVSS uses Education Outreach as our distance learning school of choice. A list of the courses available through them can be found at http://eop.sd83.bc.ca.

Outside of the Timetable Courses (OTT Courses)

PVSS offers the majority of its courses inside the timetable but some courses at PVSS are offered outside of the regular day to give students additional opportunities that would otherwise not be available. All students are required to choose at least 8 courses inside the timetable but they may also choose OTT courses to supplement their educational experience. Outside the timetable courses are indicated in the course catalogue by having OTT written beside their title.

Linear Courses

Some inside the timetable courses (e.g. Concert Band) run for a full-year (linear) instead of the half-year (semester) that most courses run.
Applied Design, Skills, and Technologies (ADST)

Business Education

All grade 10-12 courses in this section fulfill the Applied Design, Skills, and Technologies (ADST) graduation requirement.

If a student has a particular interest in Business Education, you can continue to work in this area and receive extra credits. Please see your teacher to discuss this option if you are interested.

Entrepreneurship & Marketing 9 (ADEM09)
Entrepreneurship & Marketing 9 provides an introductory understanding of the world of entrepreneurship and marketing. This class will introduce students to the risks and rewards of business ownership, the importance of inventions and innovation, and how a product goes from concept to being sold on a shelf. In this class students will learn real world skills that are directly relatable to modern business.

Entrepreneurship & Marketing 10 (ADEM10)
In this course students will gain a more in-depth understanding of the business world. Student will investigate the risk and rewards of being a business owner and gain real world skills for business. Students will investigate the realities of business ownership and learn the skills necessary to design and market a product or service.

Snack Shack 11 (Marketing and Promotions 11 ) (MAP11)
In this class students will learn the ins and out of operating a real business (school store). Students will learn real world skills such as; running a cash registers, making bank deposits, preparing purchase orders, and designing management systems. Students will learn the marketing process, risk assessment, and promotion strategies in a real business setting.

Snack Shack 12 (Entrepreneurship 12 ) (ENT12)
In this class students will take a leadership role in the operation of a real business (school store). Students will learn real world skills such as; running a cash registers, making bank deposits, preparing purchase orders, and designing management systems. They will learn the design for life cycle, economic trends, and factors that promote innovation.

Accounting 11 (AC-11)
Students in grades 10, 11 or 12 can register in this introductory accounting course. Students who decide to enter the business world either through employment or post secondary institutions will find it easier if they have a background in accounting and understand the language of business. A working knowledge of accounting is also an advantage in post secondary institutions and daily life. You will be better able to handle your personal business affairs, such as preparing a personal budget, keeping personal financial records and preparing your personal income tax. At the end of this course, the student should have a basic understanding of accounting principles and know how to organize the
books of a small business. Topics include: accounting and business, debit and credit theory, general journal, ledgers, posting, financial statements, cash control, banking, payroll, sole proprietorship, partnership and corporation accounting.

**Accounting 12 (ACC12)**
This course enables students in grades 11 or 12 to use industry-standard computer software, Simply Accounting to analyze and solve accounting problems and to produce and present accounting reports for a small business. Topics include: debit & credit theory, cash control, banking, payroll, end of period accounting, partnerships and corporation.

**E-Commerce 12 (ECOM12)**
In this class students will learn the skills and knowledge to operate a modern web based business. Students will learn the basics of creating a website, the evolving nature of ecommerce, different web based marketing strategies, and entrepreneurship opportunities. This class will provide relevant real world skills for students who wish to start their own business or simply want a competitive edge in the business environment.

**Economic Theory 12 (ECT12)**
Economics is the study of how money, trade, and consumptions works. This course will provide the basics of understanding how modern economics work. Students will learn the economic problem, business cycle, economic indicators, and competition in the market. This course is a good foundation for any student wishing to pursue a business, finance or liberal arts post secondary education.
Information (Computer) Technology

All grade 10-12 courses in this section fulfill the Applied Design, Skills, and Technologies (ADST) graduation requirement.

<table>
<thead>
<tr>
<th>Computer Design Technology</th>
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<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
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<tbody>
<tr>
<td>Information and Communications Technology 9</td>
<td>Computer Studies 10</td>
<td>Digital Media 11</td>
<td>Digital Media 12</td>
<td>Digital Media IDS</td>
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<td>Digital Media 11</td>
<td>Digital Media 12</td>
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<tr>
<th>Computer Programming Technology</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
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</thead>
<tbody>
<tr>
<td>Information and Communications Technology 9</td>
<td>Computer Studies 10</td>
<td>Computer Programming 11</td>
<td>Computer Programming 12</td>
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Information and Communications Technology 9 (ADIT09)
Want to learn what a computer is all about? Info Tech 9 focuses on using the computer as a tool in order to help students become more efficient and productive. The course will include lessons and projects used to develop the understanding of the Microsoft Office Suite: Word, Excel, and PowerPoint. The course will also help with research techniques and strategies while using the internet (such as using Google effectively). Students will be introduced to Video Game design and experiment with creating digital images. A good chunk of this course is dedicated to projects so come ready to learn, create, and share.

Computer Studies 10 (CSTU10)
Want to learn how to use technology in new creative ways? Want to go beyond being a user and become a creator? Learn how to maintain or even build your own computer. Want to maximize your online computing, modern internet tools, and other useful computer skills? Learn how to make interactive programs (text based adventures). How about creating amazing images, animations and video games using some of the best software? Well look no further, Computer Studies 10 is designed to help students go from being users who consume content to creators who make original content. A good chunk of this course is dedicated to projects so come ready learn, create, and share.

Computer Programming 11 (CMPR11)
This course is an introduction to complex computer programming with a focus on the study and modification of existing code and formalization of computational thinking concepts.

Computer Programming 12 (CMPR12)
This course focuses on the development and documentation of advanced programming structures using the processes and workflows of programming professionals.
Media Design 11 (MEDD11)
Are you looking for a career in Photography or computer design? This is a Computer Graphic Design course that will utilize software available in the Adobe CS6 Design Suite (Photoshop, Dreamweaver, InDesign). Topics include 2D graphic design, photo and video editing, and animation and film making. Photography will be integrated into the course and therefore it would be beneficial if students had their own camera/ipod/phone. This course is a great way to prepare for the technical aspect of careers in graphic design, interior design, art and film making. MU

Digital Media Development 12 (DMD12)
Are you ready to take your design skills to the next level? This is an advanced Computer Graphic Design course that will take the student deeper into the world of the Adobe CS6 Design Suite. This includes Illustrator, Flash and Premiere. Topics include 2D and 3D graphic design, photo and video editing, short film (with sound and dialogue) making Flash animation. Photography will be integrated into the course and therefore it would be beneficial if students had their own camera/ipod/phone. This course is a great way to prepare for the technical aspect of careers in graphic design, interior design, art and film making.

Independent Studies 12 (IDS...)
Looking for a personalized, project-based learning experience in Information Technology? Once students have completed Grade 12 in any of the Info Tech streams, they are eligible to pursue additional project-based studies in a topic of interest, based on instructor consultation. Possibilities include advanced studies in: graphic design, 3D design and animation, web design, game design, game scripting, programming, web programming, and computer technologies.
Home Economics

All grade 10-12 courses in this section fulfill the Applied Design, Skills, and Technologies (ADST) graduation requirement.

Food Studies 9 (ADFS09)
Do you want to amaze your friends and family with your culinary (cooking) skills? You will learn the skills and develop an understanding of how ingredients work together to create amazing dishes. Recipes during the semester will include baking, desserts, lunches, soups, snacks, breakfasts etc.!

Food Studies 10 (FOOD10)
Increase your knowledge of food by cooking up a storm. A break from sitting in a desk all day, you will be chopping, slicing, dicing and planning your way to delicious meals and desserts you can prepare and eat all in 1 or 2 periods. In this course you will learn how to prepare food that is fun, fabulous and fashionable. From humble basic ingredients, you will produce magnificent edibles that will not only taste fabulous but will also be good for your body! Menu selections will include a wide variety of choices and will include baked items, breakfast, lunch and dinner foods, desserts, International foods, soups and snacks etc. Attendance is essential for success because of the hands on nature of this course.

Note that this course may be taken either in Grade 9 or in Grade 10

Food Studies 11/12 (FOOD11/FOOD12)
In this Senior Foods course, you will have a chance to learn culinary essentials and have fun creating dishes that are healthy and delicious...so you can survive on your own! This course will provide you with opportunities to cook foods from "scratch" and help you gain new cooking techniques and taste a variety of foods. Labs will range from a wide assortment of desserts, baked items, appetizers and meal preparations that will include some vegetarian and international dishes. In addition, you will also be introduced to recipes that require more complex preparation such as filleting fish, deboning chickens and preservation techniques. Current nutrition and consumer information will also be included. Theory will include, nutrient and meal analysis, choosing and costing out recipes to create a banquet style meal for all senior classes and PVSS staff members. This course will definitely help you gain confidence in your culinary skills, even if you don't plan a career in the Food Industry this will still be a great course

Textiles 10-12 (TXT10)
Have you ever wanted to learn to sew? Are you interested in having fun while developing your sewing skills? This course allows you to explore you sewing skills and express your artistic freedom in an individualized project of your choice. This course will introduce you to the sewing machine and what it can do for you; the possibilities are endless!
## Technology Education

All grade 10-12 courses in this section fulfill the Applied Design, Skills, and Technologies (ADST) graduation requirement.

<table>
<thead>
<tr>
<th>Path</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
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</thead>
<tbody>
<tr>
<td><strong>Trades Exploration/ Life Skills</strong></td>
<td>Junior Trades 9</td>
<td>Technology 10</td>
<td>Students are eligible for any shop courses</td>
<td>Students are eligible for any shop courses</td>
</tr>
<tr>
<td><strong>Mechanics</strong></td>
<td>Mechanics and Metal 9</td>
<td>Mechanical Trades 10 (No Prerequisite)</td>
<td>Automotive Technology 11 (No Prerequisite)</td>
<td>Automotive Technology 12</td>
</tr>
<tr>
<td><strong>Metalwork</strong></td>
<td>Woodwork 9</td>
<td>Woodwork 10 (no prerequisite)</td>
<td>Woodwork 11 (no prerequisite)</td>
<td>Woodwork 12</td>
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<td>Furniture and Cabinets</td>
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<tr>
<td><strong>Girls Only D-I-Y Workspace 12 (STX12A)</strong></td>
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### Girls Only D-I-Y Workspace 12 (STX12A)

Haven’t taken a shop class before, or not since you were in Middle school? Have you ever wanted to learn how to make your own jewelry, change a tire, create an original wood burning project? Discover what the shops can offer in this exclusive all girls course for students in grades 10, 11 and 12. Hands-on activities are based on learning a variety of practical skills in several areas all geared towards giving students a broad range of real-life shop experiences. This course is to gain confidence with tools and machinery and increase your “know how” for when you become a car or home owner to tackle many common problems yourself or just do some artistic fun design work. This course is run in conjunction with ITA curriculum.

### Junior Trades 9 (STX10B)

Did you hear about the fun in Jr. Trades? Interested in learning valuable hands-on skills? This course explores practical skills from 3 to 4 modules based on a variety of common trades; construction, plumbing, electrical, drafting and electronics. Each module is introduced with technical knowledge and has students creating labs/activities from basic design and engineering principles. Great for students who think they might be interested in pursing a career in the trades or who want to be versatile and have a broad range of hands-on skills. This course is run in conjunction with ITA curriculum.

### ADST: Mechanics and Metal 9 (ADM09)

Want to learn about how to repair mechanical things and build stuff from metal? This is an introductory course into understanding and repairing engines along with projects that give a taste of welding and fabricating with metal. The core mechanical work is tear-down and reassembly of small engines. Be a whiz with a lawnmower or dirt bike. Several small projects are constructed from metal including candleholders, pencil holders and small motors.

### ADST: Woodwork 9 (ADW09)

Are you ready for the big time? Woodworking in a full woodshop? Want to have fun building high school projects? This course is for students new to woodwork or the previously experienced, ready to step up to tools and processes used in grade 9 woodworking. It will include both traditional and cutting edge woodworking techniques using the latest CNC technology. Students will learn the safe operation of power equipment and produce practical and decorative projects. Students will add their
own design input to Instructor guided projects. Projects will include CNC (computer designed) engraving projects. Projects in the past have included step-stools, book shelves, name plaques, pens and wooden toys.

**Mechanical Trades 10** (STX10A)
Discover what mechanical and metal trades can offer. Hands-on activities in small engine mechanical, automotive mechanics, welding, metal fabrication, machining, hydraulics and electrical are all geared towards giving students a broad range of skills and sparking interest in trades opportunities. This course is based largely on material from the ITA (Industry Training Authority (Apprenticeship Branch)) and gives students who may be considering a career in the trades a leg up on how to prepare themselves and what to expect from prospective employers.

**Technology Explorations 10** (TEXP10)
If you would like to build things and understand the structures, products and systems that we depend on every day, this course is for you. Students will be given the opportunity to develop problem solving skills, use their creativity and learn about the latest trends in technology. Students will be exposed to a variety of tools, materials and processes used to design and manufacture products. Using their knowledge students will design, make and evaluate a series of projects that typically include; graphic drawings, CO2 cars, tower construction, catapults and an electronics project.

**Woodwork 10** (WWK10)
Are you ready to start using all the big machinery? This course will include woodworking techniques and a problem solving/design approach to project work. Students will learn the safe operation of all power equipment and produce practical and decorative projects. Bring the computer into the woodshop and start to produce projects that utilize the CNC router and the VCarve Pro design software. All students will be expected to design their own final project after completing skill building exercises and an instructor guided project. Additional costs may be incurred depending on the size and type of wood used in the final project.

**Automotive Technology 11** (TAUT11)
Automotive Technology 11 is intended for students to gain a basic knowledge of all the systems in the car and create an interest in mechanical repair work. Students will focus their time on safe work practices, tool skills, precision measurement, engine fundamentals, brake systems, tire and suspension servicing, and electrical systems. Time is also spent exploring the impact of the automobile on our culture and career options in the automotive industry.

**Automotive Technology 12** (TAUT12)
Automotive Technology 12 is intended for students interested in gaining knowledge, skills and attitudes required by students to successfully work in automotive related industry. Areas explored include shop safety practices, tool skills, precision measurement, engine diagnostics, advanced electrical and electronics skills, and the impact of the automobile on culture.

**Automotive Technology 12: Engine and Drivetrain** (TEAD12)
The engine and drivetrain course is the advanced mechanics option for students who have developed significant skill in both Auto tech 11 and 12 courses. Emphasis is placed on analytical and critical thought patterns necessary for mechanical problem solving. Students will have the opportunity to use diagnostic equipment and troubleshooting on a variety of automotive systems. Repair work on significant engine or power train components is a large component of this course. Recent developments in automotive design/engineering are explored.
**Metalwork 11** (TMET11)
If you like to construct things from metal this is the course for you. This is a project oriented course that will further your basic knowledge of metalworking tools, materials and processes. General fabrication and welding are covered with an emphasis on arc welding, and advanced machining with the lathe and milling machine. Students will be given a variety of projects to select from that may include dice, cannons, model engines and a custom ring made using jewelry skills.

**Metalwork 12** (TMET12)
The Metalwork 12 option is the advanced fabrication course for students who have developed significant skill in both Metal 10 and 11 courses. A higher level of precision and quality will be encouraged on all machine operations. An introduction to TIG welding is given in this course. Student projects are decided in collaboration with the instructor to stretch student creativity and innovation. These large-scale projects often result in custom bike or go-kart fabrication.

**Woodwork 11/12** (WWK11, WWK12)
Do you feel like you missed out on the fun of woodwork? No previous woodshop classes are necessary for this course. The students in this class will study the nature of wood, joinery, and tool care. Projects will involve basic joinery techniques and lead up to furniture construction. Using all the power of the computer design program **VCarve Pro** students will incorporate their own ideas to produce a final project after completing instructor guided skill building projects, one of which utilizing the shop's **CNC router**. Students will learn the safe operation of all power equipment. Possible additional costs may be incurred depending on the size and type of wood used in final project.

**Woodwork 12: Furniture and Cabinets** (TFAC12)
This is an advanced Cabinetmaking course which covers the skills and techniques of fine cabinets and furniture making. This course will emphasize the design of furniture and cabinets. Students will produce designs before construction of their projects. The students will learn to use various techniques and a variety of machine operations in a safe manner. Possible additional costs may be incurred depending on the size and type of wood used in final project.

**Sr. Trades 11** (STX11A)
Did you miss out on Jr. Trades, heard about all the fun they had? Interested in learning valuable hands-on skills? This course explores practical skills from 3 to 4 modules based on a variety of common trades; construction, plumbing, electrical, drafting and electronics. Each module is introduced with technical knowledge and has students creating skill building activities from basic design and engineering principles. The semester will culminate with a large project such as a garden shed, chicken house or play structure. Great for students who think they might be interested in pursuing a career in the trades or who want to be versatile and have a broad range of hands-on skills. This course is run in conjunction with ITA curriculum.
Arts Education

Dance

All grade 10-12 courses in this section fulfill the Arts Education graduation requirement.

<table>
<thead>
<tr>
<th>Grade</th>
<th>During School Class</th>
<th>Outside the timetable: Day and time below</th>
<th>Peer Instruction</th>
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</thead>
<tbody>
<tr>
<td>Grade 9</td>
<td>DNC09</td>
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<tr>
<td>Grade 10</td>
<td>DNTP10</td>
<td>Dance Company DNCM10</td>
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<tr>
<td>Grade 11</td>
<td>DNTP11</td>
<td>Dance Company DNCM11</td>
<td>XTA11</td>
</tr>
<tr>
<td>Grade 12</td>
<td>DNTP12</td>
<td>Dance Company DNCM12</td>
<td>XTA12</td>
</tr>
</tbody>
</table>

DNTP = Dance: Technique and Performance

This is a physically demanding, activity based course which includes four main components:
- Technical skills training in jazz, hip hop and musical theatre style dance
- Aerobic, strength and flexibility training
- Dance composition (how to choreograph) based on the fundamental elements of dance
- Final public performance in the semester-end dance show

NOTE:
- Only students with previous studio dance experience or DNTP10 can sign up for DNTP11, DNTP12
- Students can only sign up for XTA 11 or XTA 12 with teacher permission

OUTSIDE THE TIMETABLE COURSE
Known as the ADRENALINE DANCE TEAM – Dance Company 10 / 11 / 12
This is an advanced senior dance class for which participants must apply. Preference is given to the grade 11 and 12 students but there are usually a few spots for some very dedicated grade 10’s. This course will run on Monday evenings from 3:30 – 6:30 and on Wednesday evenings once a month. This is an advanced class with high physical and technical expectations – only those serious about working in a team setting need apply. There are additional costs associated with the competitions and travel.
- Sign-up for the course during course selection.
- Attend the information meeting and complete the written application.
- In September attend a choreography learning session and assessment.
- Any student in Dance Company must also be enrolled in DNTP11 or DNTP12.
Drama

All grade 10-12 courses in this section fulfill the Arts Education graduation requirement.

Drama provides students with opportunities to explore human experiences through character and situation. Students will experience a wide variety of performance and production activities such as acting scenes, character development, theatre games, improv, puppetry, monologues, masks, mime, makeup, set design, props, costume, scriptwriting and direction. All drama students are required to actively participate, collaborate with others and demonstrate personal commitment.

Drama 9  (DR-09)
Students will be introduced to theatre through a wide variety of performance activities. Students will also be introduced to theatre “behind the scenes”: set design, costume and stage make-up.

Drama 10  (DRM10)
Students will advance their theatre performance skills through a wide variety of performance activities. Students will advance in their application of theatre production elements: set design, props, costume, stage make-up, and light and sound cues. Students will also begin writing and directing.

Drama 11  (DRM11)
Students will further develop theatre performance skills through a wide variety of performance activities. Students will help direct other students and progress in playwriting. Students will also apply production elements like costume, props, make-up, set design, lights and sound to their scene work.

Drama 12  (DRM12)
Students will master theatre performance skills through advanced performance activities. Students will direct other students and continue playwriting. Students will also apply production elements like costume, props, make-up, set design and technical cues to their scene work. Students will also act as stage managers.
Music

All grade 10-12 courses in this section fulfill the Arts Education graduation requirement.

Drumline 9-12
Prerequisite: willing to be part of a team that focuses on rhythm, technique and discipline. This course is a brand new course that will provide students with team building skills and endeavors in the rhythmic world of drumming. This course is being offered to any student who wants to try a music course with or without any previous musical background. Drumline demands considerable dedication from all of its members. Regular practice, rehearsals, fundraising, trips and community concerts are typically expected of all students. This is a semester course.

Drumline 9
Drumline 10
Drumline 11
Drumline 12

Concert Band 9 (XBA09C)
This course is for all successful Grade 8 Band students and will operate as a Concert Band. There will be strong emphasis on technical development, tuning and intonation, and balance. Increased demands will also be made of the student’s performing skills. Students who missed band in Grade 8 but would like to take this course should see the teacher to make a plan for the summer to ensure the possibility of success in Band 9.

Instrumental Music: Concert Band 10-12
This class is expected to be the “showcase” band at PVSS. It is a Senior Band which demands considerable dedication from all of its members. Regular practice, extra rehearsals, fundraising, trips and community concerts are typically expected of all students. While three years of students meet together there are increasingly demanding standards of performance, knowledge, understanding and leadership.

Band 10 (MUCB10)
Band 11 (IMC11)
Band 12 (IMC12)

Jazz Band 9 (OTT Course) (XBA09J)
The junior stage band is run outside the timetable as a supplement to the regular band program. It provides an enrichment opportunity for exceptional band students and prepares them for the Senior Stage Band by building on the skills they have brought with them. Take this as a ninth course.

Instrumental Music: Jazz Band 10-12
With Big Band instrumentation, this limited enrollment class focuses on Jazz music. Only serious music students need apply. This group requires uncommon professionalism and diligent practice of its members. Jazz interpretation, improvisation, ensemble refinement, and independent rehearsal skills are some of the major areas of concern. This course will be selected by senior instrumentalists with enrollment subject to the teacher’s permission.

Jazz Band 10 (OTT Course) (MUJB10)
Jazz Band 11 (OTT Course) (IMJ11A)
Jazz Band 12 (OTT Course) (IMJ12)
Musical Theatre
Musical Theatre is open to students in all grades who want to sing, move, act and prepare performances. Emphasis will be on contemporary, popular music and traditional musical theatre. Be prepared for up-tempo active participation.

Musical Theatre 9 (MU 09M)  Muscial Theatre 11 (MUTH11)
Musical Theatre 10 (MUTH10)  Musical Theatre 12 (MUTH12)

Independent Development Study in Music
I.D.S. in Music 11 and 12 focuses on developing the knowledge, skills, and attitudes students need to compose/arrange music using traditional and contemporary technologies. Students compose and arrange music using computers, synthesizers, sophisticated software and a variety of equipment including acoustic instruments. This will be a linear course.

String Ensemble 9-12
Prerequisite: permission of the teacher
The PVSS String Ensemble rehearses and performs outside the timetable and is comprised of PVSS students in all grades. The repertoire varies widely in both style and level of difficulty and is challenging and engaging. Classically trained players of intermediate and advanced skill will find this a comfortable setting in which to improve their ensemble playing skills. It is strongly advised that this course be taken as a supplement to, rather than as a replacement for private lessons on violin, viola, violoncello or bass viola.

String Ensemble 9 (OTT Course) (MU-09S)
String Ensemble 10 (OTT Course) (MUOR10)
String Ensemble 11 (OTT Course) (MUOR11)
String Ensemble 12 (OTT Course) (MUOR12)

Contemporary Music: Blues Band 10-12
Prerequisite: permission of the teacher
This course exists to provide guidance to and structure for student led musical groups who want to increase their level of professionalism. Groups will have regular rehearsals and be expected to prepare for, plan, book and perform at occasions and venues appropriate to their genre. The teacher will support these activities with guidance, instruction, facilities, and equipment as necessary. Most groups taking this course will play in genres involving the key elements of Jazz (swing and improvisation) but the title is not meant to exclude styles outside of a loose interpretation of those elements. As permission of the teacher is required, it will fall to the teacher to decide whether or not the intended work of a group will enable it to enroll. All members of a group must be enrolled in this course.

Blues Band 10 (MUCM10)  11 (MUCM11)  12 (MUCM12)

Choral Music: Concert Choir 9 - 12
Prerequisite: passion to sing in a group or solo setting.
This course is for those who are serious about singing in a musical setting. The choir works with a variety of music styles that encompasses a vast choral repertoire and harmonies. Performing around the local area and attending festivals will be the goal of Showcase Choir. No previous music courses needed to join.

Choir 9 (XC-09)  Choir 10 (MUCC10)  Choir 11 (CMC11)  Choir 12 (CMC12)
Visual Arts

All grade 10-12 courses in this section fulfill the Arts Education graduation requirement.

Visual Arts 9 (VA-09)
Visual Art 9 introduces grade 9 students to both two dimensional and three dimensional art forms. Students will explore drawing, painting, ceramics, sculpture, printmaking and fabric design in an active, “hands on” environment. This course will provide a solid foundation in visual arts and will prepare grade 9 students for Studio Arts 2D 10 or Studio Arts 3D 10.

Studio Arts 2D 10 (VAD10)
This is a 2D 10 foundation course for students who wish to focus on drawing, painting and other 2D work. Students can expect a challenging environment with the opportunity to develop skills and experiment with a wide variety of 2D techniques.

Studio Arts 3D 10 (VAC10)
This is a 3D 10 foundation course for students who wish to focus on ceramics, sculpture and other 3D work. Students can expect a challenging environment with the opportunity to develop skills and experiment with a wide variety of 3D techniques.

Art Studio 11 (VAST11)
In Art Studio 11 students will explore both two dimensional and three dimensional art forms. Students can expect an active, “hands on” environment with a wide variety of projects to build skills and confidence. The areas covered include drawing, painting, ceramics, sculpture, and printmaking. This is an entry level course for students in grade 11 with little or no previous art experience.

Art Studio 12 (VAST12)
In Art Studio 12 students will explore both two dimensional and three dimensional art forms. Students can expect an active, “hands on” environment with a wide variety of projects to build skills and confidence. The areas covered include drawing, painting, ceramics, sculpture, printmaking and fabric design. This is an entry level course for students in grade 12 with little or no previous art experience.

Studio Arts 2D11 (VAD11)
This 2D 11 course provides students with the chance to engage in a focused and in depth study in drawing, painting and other 2D work. Students can expect a challenging environment with the opportunity for independence and personal choice. Students enrolled in this course are expected to create a mini-gallery show at semester end. Previous art experience in 2D 10 or Art Studio 11 is strongly recommended.

Studio Arts 2D 12 (VAD12)
This 2D 12 course provides students with the chance to engage in a focused and in depth study in drawing, painting and other 2D work. Students will become increasingly independent as they create artwork that is personally meaningful and that shows originality, skills, aesthetics (looks) and care. Students enrolled in this course are expected to create a mini-gallery show at semester end. Previous art experience in 2D 11 or Art Studio 11 is strongly recommended.
Studio Arts 3D 11  (VAC11)
This Studio Art 11 course provides students with the chance to engage in a focused and in depth study in Ceramics and Sculpture. Students can expect a challenging environment with the opportunity for independence and personal choice. Students enrolled in this course are expected to create a mini-gallery show at semester end. Previous art experience in 3D 10 or Art Studio 11 is strongly recommended.

Studio Arts 3D 12  (VAC12)
This Studio Art 12 course provides students with the chance to engage in a focused and in depth study in Ceramics and Sculpture. Students will become increasingly independent as they create artwork that is personally meaningful and that shows originality, skills, aesthetics (looks) and care. Students enrolled in this course are expected to create a mini-gallery show at semester end. Previous art experience in 3D 11 or Art Studio 11 is strongly recommended.

Independent Directed Study in Art     (IDS...)
An independent study (IDS) in Art allows a student, under the supervision of a teacher, to initiate and develop their own program in the visual arts. An IDS course provides students who have an interest or passion with the opportunity to pursue this subject in greater depth. Students who take an IDS course must be motivated and able to demonstrate their ability to initiate their own learning and to work independently. Some ideas for an IDS in Art include: drawing and painting, fashion design, sewing and fibre manipulation, photography, print making, ceramics, sculpture, and interior design.
Languages

**English Language Arts**

**GRADE 9**

**ENGLISH 9**
The major goal of English 9 is to provide learning strategies around the three core competencies of thinking, communicating and personal/social learning. This is done with 4 big ideas that act as course organizers:

1. Language and literature help us find meaning and joy.
2. Exploring a rich diversity of texts deepens our understanding and develops our ability to make connections, express ideas, and think critically.
3. Inquiry, curiosity and thoughtful reflection in story and text deepen our understanding of self, identity and humanity.
4. Using artistry and precision in language are powerful tools in communicating for specific audiences and purposes.

Students will be able to develop curricular competencies using oral, written, visual, and digital texts in the areas of:

- Comprehending and Connecting
- Creating and Communicating

For a complete list of curricular competencies and concepts and content, please refer to the below website. [https://curriculum.gov.bc.ca/curriculum/English%20Language%20Arts/9](https://curriculum.gov.bc.ca/curriculum/English%20Language%20Arts/9)

**GRADE 10**

**COMPOSITION 10 (2 credits) (CMPS10)**

*All Grade 10 students will take this course in conjunction with one of the following 2 credit courses for a total of 4 credits of English Language Arts.*

Composition 10 is designed to support students in their development of written communication through a critical process of questioning, exploring, and sampling. Within a supportive community of writers, students will work individually and collaboratively to explore and create coherent, purposeful compositions. Students will read and study compositions by other writers and consider a variety of styles as models for the development of their writing. The course builds students’ writing competencies by introducing them to varied structures, forms, and styles of compositions. Students have opportunities to individually and collaboratively study, create, and write original pieces, exploring audience and purpose. They also develop their craft through processes of drafting, reflecting, and revising.

The following are possible areas of focus within Composition 10:

- narrative, expository, descriptive, persuasive, and opinion pieces
- planning, drafting, and editing processes
- writing for specific audiences and specific disciplines
- how to cite sources, consider the credibility of evidence, and evaluate the quality and reliability of the source
NEW MEDIA 10 (2 credits)  (NMD10)
New Media 10 is 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 is intended to allow students and educators the flexibility to develop a program of study centred on students’ interests, needs, and abilities, while at the same time allowing for a range of local delivery methods. New Media 10 recognizes that digital literacy is an essential characteristic of the educated citizen. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording opportunities to demonstrate understanding and communicate ideas through a variety of digital and print media. New Media 10 explores tasks and texts designed to introduce students to the study of new media.
The following are possible focus areas in New Media 10:
• Media and film studies—suggested content/topics include the globalization of the media industry, influence of media on users’ perceptions, documentaries in the age of digital media, the rise of social media
• Journalism and publishing—suggested content/topics include the changing roles and structures within news organizations; risks, challenges, and opportunities associated with professional journalism; and citizen journalism, local journalism, school-based journalism
• Digital communication—suggested content/topics include blogging, writing for the web, writing for social media, gaming, and podcasting

LITERARY STUDIES 10 (2 credits)  (LTST10)
Literary Studies 10 is designed for students who are interested in the literature of a particular era, geographical area, or theme, or in the study of literature in general. The course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works 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
• develop higher-level thinking and learning skills

The following are possible areas of focus in Literary Studies 10:
• genre-specific studies—poetry, short stories, novels, drama, graphic novels, children’s literature
• Canadian literature
• First Peoples texts
• thematic studies
• specific author studies

CREATIVE WRITING 10 (2 credits)  (CTWR10)
Creative Writing 10 is designed for students who have an interest in creative expression through language. The course provides students opportunities to build their writing skills through the exploration of identity, memory, and story in a range of genres. Within a supportive community of writers, students will collaborate and develop their skills through writing and design processes. This course is intentionally grounded in the sampling of writing processes, inviting students to express themselves creatively as they experiment with, reflect on, and practise their writing. The following are possible areas of focus within Creative Writing 10:
• contemporary creative forms such as slam poetry,
oratory, rap, drama, song, graphic novels • creative non-fiction, historical fiction • poetry, song lyrics • multimodal creative forms that combine visual, written, and oral texts

The following are possible areas of focus within Creative Writing 10:
• contemporary creative forms such as slam poetry, oratory, rap, drama, song, graphic novels
• creative non-fiction, historical fiction
• poetry, song lyrics
• multimodal creative forms that combine visual, written, and oral texts

**ENGLISH FIRST PEOPLE’S WRITING 10  (EFWR10)**

EFP Writing 10 is designed for students who are interested in writing for a variety of purposes and contexts. This area of choice provides students with opportunities to become better writers through the exploration of personal and cultural identities, memories, stories, and connections to land/place. Within a supportive community, students will work individually and collaboratively to develop their writing skills and create coherent, purposeful, and engaging compositions. This course is grounded in the exploration and application of writing processes, inviting students to express themselves as they experiment with, reflect on, extend, and refine their writing.

The following are possible areas of focus in EFP Writing 10:
• Community-focused text—ideas include creating written work that relates to and/or contributes to local First Peoples communities (e.g., community performances, proposals, technical communications)
• Writing for advocacy—ideas include creating narrative, descriptive, persuasive, and opinion pieces, with attention to audience, purpose, and technique
• Writing for expression—ideas include creating slam poetry, oratory, rap, drama, song, or multimodal work related to First Peoples themes
• Exploration of First Peoples themes—ideas include contextualizing self in relation to community, expressing relationship to land, with consideration of issues such as cultural appropriation and inauthenticity

**GRADE 11**

English 11 has been discontinued and students must pick one course from the following in order to complete their grad requirement for a 4 credit course for English Language Arts.

**COMPOSITION 11 (4 credits)  (CMPS11)**

Composition 11 is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students will read and study compositions by other writers and be exposed to a variety of styles as models for the development of their writing. The course provides opportunities for students to, with increasing independence, study, create, and write original and authentic pieces for a range of purposes and real-world audiences. They will expand their competencies through processes of drafting, reflecting, and revising to 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.

The following are possible areas of focus within Composition 11:

• narrative, expository, descriptive, persuasive, and opinion pieces
• planning, drafting, and editing processes
• writing for specific audiences and specific disciplines
• how to cite sources, consider the credibility of evidence, and evaluate the quality and reliability of the source
NEW MEDIA 11 (4 credits)  (NMD11)
New Media 11 is 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 is intended to allow students and educators the flexibility to develop an intensive program of study centred on students’ interests, needs, and abilities, while at the same time allowing for a range of local delivery methods. New Media 11 recognizes that digital literacy is an essential characteristic of the educated citizen. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording numerous opportunities to demonstrate understanding and communicate increasingly sophisticated ideas through a wide variety of digital and print media. Compared with New Media 10, New Media 11 features tasks and texts of greater complexity and sophistication. As well, the Grade 11 course extends the depth and breadth of topics and activities offered in New Media 10. The following are possible focus areas in New Media 11:
• media and film studies – suggested content/topics include the globalization of the media industry, influence of media on users’ perceptions, and documentaries in the age of digital media
• journalism and publishing – suggested content/topics include the changing roles and structures within news organizations; and risks, challenges, and opportunities associated with professional journalism
• digital communication – suggested content/topics include blogging, writing for the web, writing for social media, gaming, and podcasting

CREATIVE WRITING 11 (4 credits)  (CTWR11)
Creative Writing 11 is designed for students who are interested in developing confidence and refining their writing skills through self-expression for various creative purposes. The course provides students with in-depth opportunities to explore personal and cultural identities, memories, and stories in a wide range of genres. Within a supportive community, students will collaborate and strengthen their skills through writing and design processes. Creative Writing 11 is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they reflect on, adjust, and extend their writing skills. The following are possible areas of focus within Creative Writing 11:

• short fiction and poetry – suggested content includes flash-fiction (micro-fiction, drabble, non-fiction, twitterature), graffiti, sub-genres (e.g., adventure, children’s literature, comic/graphic, fantasy, fan fiction, historical fiction, horror, sci-fi, dystopian, suspense, thriller, tragedy, romance), drama, script writing, poetry, authenticity versus sentimentality, literary devices and techniques, various forms, the relationship between form and function
• creative non-fiction – suggested content includes columns, features, articles, queries, captions, layout, reporting, interviews, reviews (fashion, movie), advertising, titles, bylines, sample readings
• memoir – suggested content includes place-based writing, narrative, film memoir, sample readings

ENGLISH FIRST PEOPLE’S LITERARY STUDIES + SPOKEN LANGUAGE 11 (4 credits)  (ELSL11)
EFP Literary Studies + Spoken Language 11 is designed for students who are interested in studying First Peoples literature and oral tradition and in strengthening their oral language proficiencies. The course emphasizes oral self-expression and communication in a variety of contexts. Students delve deeply into First Peoples oral and written literature in a range of media to explore various themes, authors, and topics. This provides a foundation for them to think critically and creatively as they continue to explore, extend, and strengthen their own repertoire of oral language expressions. Within a supportive community, students work individually and collaboratively to explore oral and written literature and create powerful, purposeful oral and written compositions. Through the study of literature and the processes of experimenting with, reflecting on, extending, and refining their oral language, students:
• extend their capacity to communicate effectively in a variety of contexts
• deepen their understanding of themselves and the world
• expand their understanding of what it means to be educated Canadian and global citizens

The following are possible areas of study within EFP Literary Studies + Spoken Language 11:
• First Peoples oral tradition – ideas include oratory, local community story, and oral history
• exploring the relationships between First Peoples literature, oral tradition, and personal and cultural identities – ideas include self-representation, connection to family and community, and connection to land and place
• oral language related to First Peoples cultures – ideas include exploring oral histories and creating oral narratives, with consideration of issues such as cultural appropriation and inauthenticity
• performance in relation to First Peoples themes – ideas include creating slam poetry, oratory, poetry recitation, oral storytelling, readers’ theatre, rap, drama, song, or multimodal work
• professional applications – ideas include speech preparation/presenting, proposals, interviewing, event facilitation, radio/podcasts/video posts (information items), and voice-overs related to First Peoples themes
• intersections between First Peoples literature, oral language, and social advocacy – ideas include cultural reclamation, youth engagement, inclusion, and environmental sustainability

GRADE 12

Students must take either English Studies 12 or English First Peoples 12. Only one of these next two courses count as the English Language Arts requirement for graduation.

ENGLISH STUDIES 12 (4 credits) (ENST12)
The required English Studies 12 course builds on and extends students’ previous learning experiences from the various English 10 and 11 courses. 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 FIRST PEOPLES 12 (4 credits) (ENFP12)
EFP 12 builds upon and extends students’ previous learning experiences in ELA and EFP 10 and 11 courses. The course is grounded in the First Peoples Principles of Learning. It is designed for all students, Aboriginal and non-Aboriginal, who are interested in delving deeply into First Peoples oral and written literature and visual texts in a range of media. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples voices (i.e., historical or contemporary texts created by or with First Peoples). In EFP 12, all students:
• examine texts grounded in a diversity of First Peoples cultures, including local First Nations or Métis communities
• extend their capacity to communicate effectively in a variety of contexts
• think critically and creatively about the uses of language
• deepen their understanding of themselves and others in a changing world
• gain insight into the diverse factors that have shaped and continue to shape their own identities
• appreciate the importance of self-representation through authentic First Peoples text
• contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples
• expand their understandings of what it means to be educated Canadian and global citizens

While the focus in EFP 12 is primarily on First Peoples voices from British Columbia, students also engage with texts that reflect First Peoples perspectives from elsewhere in Canada and throughout the world.

(This course is only offered in one semester in Grade 12. Space is limited.)

ENGLISH ELECTIVES (This course is an elective course and does not satisfy the ministry requirement for an English course at the grade 12 level. Only one of the previous two courses can do that. This course, however, will count as a grade 12 course in ensuring that the student has 16 credits at the grade 12 level.)

LITERARY STUDIES 12 (4 credits) (LTST12)

Literary Studies 12 allows students to delve more deeply into literature through increasingly complex texts. 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 refine higher-level thinking and learning skills

The following are possible areas of focus in Literary Studies 12:
• genre-specific studies – poetry, short stories, novels, drama, graphic novels, children’s literature
• world literature
• diasporic literature
• feminist literature
• Canadian literature
• First Peoples texts
• specific author studies
• topic, theme, or inquiry
• canonical literature by era—Middle Ages, Renaissance, Restoration, Romantic, Victorian, 20th century
French

French 9 (FR-09)
French 9 is designed to provide opportunity and encouragement for students to build and master skills learned in French 8 and to continue to develop communication skills in reading, listening, speaking and writing.

French 10 (FR-10)
French 10 is designed for the student who wishes to prepare for French 11 and who wishes to master oral and written communication. This course uses thematic units to enhance skills in reading, writing, speaking and listening.

French 11 (FR-11)
French 11 is an advanced French course for the serious French student planning to pursue post secondary education. Students will master the grammatical concepts of the past, present, and future tenses. Students will communicate, orally and in writing, with increasing complexity and details.

French 12 (FR-12)
French 12 is designed for the successful French 11 student who has mastered grammatical concepts and who enjoys an intellectual challenge. Students will communicate, orally and in writing, using all tenses with ease and confidence. The language of instruction, interaction, and discussion is French. Successful completion of French 12 will satisfy the 'Language other than English' requirement for The BA program at UBC.
MATHEMATICS

Which Math Course is Best Suited to My Child?
Your child’s education choices after high school depend, in part, on the courses they take in high school. The specific math courses that are required by colleges and universities depend entirely on the program a student wishes to enter. Please investigate your program of choice carefully before choosing your math course. When in doubt, choose the most academic math course your child can successfully complete. The Pre-Calculus courses are the highest level in each grade. **Students are required to complete the Graduation Numeracy Assessment by the time they graduate.**

Mathematics 9  (MA-09)
All students must enroll in Math 9. Concepts include operations with rational numbers, exponents, polynomials, linear relations, linear equations, proportional reasoning, statistics in society and financial literacy.

Workplace Mathematics 10  (WPM10)
This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for direct entry in the work force. Workplace Math 10 covers practical money skills, right angle triangles, surface area and volume, angle relationships and measurement.

Foundations of Mathematics and Pre-Calculus 10  (FMP10)
It is recommended that students enrolling in this course have a C+ or higher in Mathematics 9.

Workplace Math 11  (WPM11)
This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.

Foundations of Math 11  (FOM11)
Students enrolling in this course should have passed Foundations of Mathematics and Pre-Calculus 10.

Pre-Calculus 11  (PRE11)
It is recommended that students enrolling in this course have a C+ or higher in Foundations of Mathematics and Pre-Calculus 10

Foundations of Math 12  (FOM12)
Students enrolling in this course should have passed Foundations of Mathematics 11 or Pre-Calculus 11.
Statistics 12 (STAT12)
This is a first course in Statistics. The objective of the course is for students to gain a good understanding of statistical principles and methods. At the end of the course, students should be able to use elementary statistical techniques.

Big Ideas:
- Statistics plays an integral role in research, decision making, and policy in society.
- The research question and practical and ethical issues determine whether a statistical study should be observational or experimental.
- Statistical analysis allows us to explore, describe, model and explain variation.
- We can develop statistical thinking to help make inferences intuitive.
- Statistical findings gain value through effective communication.

This will be more of a project-based course with a Mid-Term and Final Exam. The course will give a good overview of STAT 200 or STAT 100, which are required for most BSc and BA (Social Science) degrees.

Pre-Calculus 12 (PRE12)
It is recommended that students enrolling in this course have a C+ or higher in Pre-Calculus 11.

Calculus 12 (CAL12)
Calculus 12 is intended to prepare students for post-secondary Math and Science courses. In most post-secondary institutions all first year science students are required to take calculus. Students who have had no prior experience with calculus tend to find it extremely difficult. As a result, it is highly recommended that students who plan on entering a science based program in their post-secondary studies take calculus 12 in high school. Students who enroll in calculus 12 should also be enrolled in Pre-Calculus 12. It is also recommended that students enrolling in Calculus 12 have a C+ or higher in Pre-Calculus 11. Calculus explores the concepts of how things change. It provides a framework for modeling real world problems. The final assessment for this course is a hands-on construction project using the principles explored during the course.
Mathematics

Why are there different math courses in Grades 10, 11 & 12?
Math is used in different jobs in very different ways. The mathematics used by a retail sales clerk is different from that used by an automotive mechanic or an electrical engineer. To address different abilities, interests and future plans, the Math 10-12 curriculum is delivered in three “Pathways”:

Mathematics 8

Mathematics 9

Workplace Mathematics 10

Foundations of Mathematics and Pre-Calculus 10

Apprenticeship and Workplace Mathematics 11

Foundations of Mathematics 11

Pre-Calculus 11

Foundations of Mathematics 12

Pre-Calculus 12

Calculus 12

~ Technical College
~ Trade School (program dependent)
~ Direct entry into workforce

~ Arts & Social Sciences (Criminology, History, Languages, Psychology)
~ Dental Hygiene
~ Nursing
~ Architectural Drafting
~ Electronics
~ Education
~ Trade School (Program dependent)

~ Math
~ Science
~ Engineering
~ Medicine
~ Veterinary
~ Business (accounting, finance, economics)
Physical and Health Education

**Policy on Daily Excuses:** A note from a parent or guardian is required in order for the student to be excused. The student will do written assignments related to health or physical education or will perform service duties for the PHE Department.

**Policy on Long Term Excuses:** To be excused for a period over two weeks, the student must submit a medical certificate from a doctor. The student will do work or an assignment or be registered in another class. Students cannot receive a medical pass for PHE 10 unless they are unable to participate for grades 10 through 12.

**Physical and Health Education 9 (PHE09)**
There are three main requirements of PHE students:
1. They are required to wear school strip in grade 9 & 10.
   School PHE strip cost is $37 for the shirt & shorts.
2. Attendance is compulsory.
3. The boys must shower at the end of each class. The school provides the soap & towels.

Physical and Health Education 9 has the following objectives:
1. To develop a positive sense of physical and emotional well-being;
2. To understand the impact of drugs and alcohol on the human body;
3. To improve the skill level and understanding of various lifelong activities
4. To develop a positive attitude towards physical activity; and
5. To assist students in developing and maintaining physical fitness.

**Physical and Health Education 10 (PHED10)**
There are three main requirements of PHE students:
1. They are required to wear school strip in grade 9 & 10.
   School PHE strip cost is $37 for the shirt & shorts.
2. Attendance is compulsory.
3. The boys must shower at the end of each class. The school provides the soap & towels.

Physical and Health Education 10 has the following objectives:
1. To develop a positive sense of physical and emotional well-being;
2. To understand the importance of healthy relationships;
3. To improve the skill level and understanding of various lifelong activities
4. To develop a positive attitude towards physical activity; and
5. To assist students in developing and maintaining physical fitness.

**Active Living 11 (ACLV11)**
This select studies course is designed to allow students a more in-depth approach to physical education. The student has a choice of activities in each unit and the units are two weeks in length. An emphasis is made on self-motivation, safety, fair play, health and well-being. Participation is crucial.

**Active Living 12 (ACLV12)**
This select studies course builds upon the learning in Active Living 11. The students will engage in a wide variety of recreational activities. An emphasis is made on being physically active in a safe and respectful way. Positive behaviour is essential to success, as well as the ability to demonstrate proper use of equipment and facilities.
Science

Science 9 (SC-09)
Science 9 exposes students to a wide variety of ideas and theories in various fields, much of which is designed to provide a general background for future Science studies. Emphasis is placed on the practical applications of Science principles. The major topics include: Biology (Genetics and Reproduction), Chemistry (Symbols, Formulas, and Chemical Reactions), Electricity and grand cycles of matter and energy.

Science 10 (SC-10)
By exploring a range of topics in Science 10, students will develop their interest, curiosity and understanding of the natural world around them. Emphasis is placed on inquiry and experimentation, as well as theoretical work. The topics of study in Science 10 include Biology (genetics), Chemistry (chemical reactions and radiation), Physics (energy transformations) and Astronomy (examining the universe).

Life Sciences 11 (LFSC11) (formerly Biology 11)
This is a survey course of interest to students who want to know more about the living world and those who plan to study science in their future. Major topics include classification, evolution and comparative anatomy. We will study the range of living organisms: virus, prokaryotes, protists, fungi, plants and animals. Dissections will be a major part of the animal’s unit. Emphasis will be placed on the evolutionary relationships linking all life. A wide range of hands-on lab activities will support the theoretical components of the course.

Chemistry 11 (CH-11)
This course is a survey course designed to introduce students to a range of topics in the field of Chemistry. Topics include: Measurement, Properties of Matter, Nomenclature, the Mole, Chemical Reactions, Stoichiometry, the Periodic Table and Solutions Chemistry. These topics will be studied through both theoretical and practical work. Good math skills are an asset.

Physics 11 (PH-11)
Physics 11 is an introductory course open to all students who have successfully completed junior science and math courses. This course focuses on the application of physics principles and theories to everyday situations in the following areas:

a) Wave Motion & Geometrical Optics  
b) Kinematics  
c) Energy and Momentum  
d) Dynamics in One Dimension  
e) Special Relativity  
f) Circuit Theory

What does all this mean? PHYSICS IS PHUN.

Science for Citizens 11 (SCCT11)
This course provides a hands-on learning experience for students interested in developing job related skills. This is done through the lens of hydroponics/aquaponics. Practical and project-based work are major components of this course.

This science elective course counts toward your Science 11 credits necessary for graduation.
Anatomy and Physiology 12  (ATPH12)  (formerly Biology 12)
Anatomy and Physiology 12 is a challenging academic course that provides students with an in depth investigation into aspects of human anatomy and physiology. Emphasis is placed on both practical and theoretical work. The major areas of study in this course include: physiological processes at a cellular level, gene expression and the interaction between genes and the environment, as well as organ systems and the complex interrelationships.

Chemistry 12  (CH-12)
This course introduces and explores the concept of equilibrium in chemical reactions. Topics include: Reaction Rates, Dynamic Equilibrium, Solubility, Acids and Bases, and Electrochemistry. These topics will be studied through both theoretical and practical work. Good math skills are required. This is a challenging course that is intended for students who wish to pursue post-secondary studies.

Physics 12  (PH-12)
Physics 12 is the study of classical mechanics and electromagnetism and is designed to help students develop analytical and problem-solving skills. It provides an opportunity for students to understand and apply the principles of the following topics to practical situations:

a) Vector Dynamics  b) Gravitation  c) Circular Motion


g) Electrostatics  h) Electromagnetism  i) Vector Kinematics in Two Dimensions
Social Studies

Social Studies 9 (SS-09)
Canada: Nationhood.
Topics include: Confederation, development of the Canadian West, Canada’s physical geography, Canada’s economic activities and relationship with other countries, particularly around the Pacific Rim. Current events will also be a focus of this course.

Social Studies 10 (SS-10)
Social Studies 10 is a focus on the dominant influences, events and characters that have shaped our nation over the past 100 years. Canada’s military history, political and economic trends are the major focus in the course. Also, the parliamentary process as well as human global geography will be closely studied. This course is a requirement for Dogwood Graduation Certification.

**Students taking any Grade 12 Social Studies class MAY receive credit for Social Studies 11 but may only be used as the SS 11 not as a grade 12 course credit. *****

Human Geography 12 (HGEO12)
Human Geography is a new course in the social studies discipline. It involves the study of people and their communities, cultures, and interactions with the environment. Themes of study will include population trends and measurement, urbanization, how humans pollute, diseases, and human sustainability. This course will be very interesting for students who are concerned about a planet that cannot sustain 14 billion people by the year 2050!

20th Century World History 12 (WH 12)
This course covers world history in the 20th century to 1991. The major focus is on international affairs. Topics include: World War I, the Russian Revolutions, Fascism and Nazism, Communism, World War II, the Cold War, China and the Middle East, the fall of the Berlin Wall, Collapse of Communism and the Gulf War.

Law Studies 12 (LST12)
The purpose of this course is to provide young people with an introduction to the Canadian Legal System. Major focus on areas to be studied are; History of Law, Charter of Rights and Freedoms, Criminal Law, Youth Criminal Justice Act, Driving in BC, Tenant Law, Immigrations Law and the Employment Law. The students will be required to participate in court watching, mock trials plus a variety of community based presentations that have careers in the legal field. This course is open to all grade 11 and 12 students.

Psychology 12 (YPS2A)
Psychology 12 is a 4-credit elective course. Psychology 12 presents an overall picture of the field, which is defined as the “science of human and animal behavior and experience”. The course examines developmental, physiological and complex social psychological behaviours including:
- Sensations/perceptions
- Learning/motivation
- Brain function
- Power of the mind
- Remembering
- Mental disorders/treatment methods
This course also includes lessons and discussion about emotions and personality and how the study of psychology can help you now and in the future. (not a university eligible course)
Law / Psychology 12 (LAW12/YPS2A)
The Law/Psych course is an 8 credit linear course. While the law component will involve the Canadian legal system such as the Charter of Rights and Freedoms, Criminal Law and Civil Law, the psychology elements will look at the human condition and personality disorders within the legal framework. Topics involved include memory (eyewitness testimony), stress and anxiety (criminal behavior), attraction and love (marriage), personality disorders (murder and violence) and learning (criminal behavior). These topics are presented with the intent to understand why individuals behave the way they do in particular life situations. “The brain is the window into behavior.”
Career Education

Career Life Education 10 – 2 credits ea. (CLEA10 is for Gr. 10s) (CLEB10 is for Gr. 11s)
Career Life Education offers students opportunities to identify and develop personal interests, passions and competencies. Students will also explore learning opportunities, post-graduation options, and career and life path possibilities. Career Life Education encourages community-based learning by facilitating community networking, preparing for real-life contexts and exploring experiences outside the school environment.

**Students are now on the New Graduation Program and will be able to meet the Career Education requirement with any of the following combinations:
~ Planning 10 / Graduation Transitions (2018-19)
~ Planning 10 / Career Life Connections + Capstone
~ Career Life Education / Graduation Transitions
~ Career Life Education / Career Life Connections + Capstone
Starting in 2018-19 Career Life Education and Graduation Transitions will be used in all BC schools.
For 2019-2020 and beyond, Career Life Education and Career Life Connections + Capstone will be used in all BC schools.

Career Life Connections 12 (CLC)
Career Life Connections is a brand new course that students MUST complete as a requirement of graduation. The goal of the course is to enable students to develop the skills they need to become self-directed individuals who display initiative, establish goals, make thoughtful decisions, and take ownership for pursuing their goals in an ever-changing society. The following Capstone Project is part of the course (each is 2 credits).

Capstone Project
The capstone is an opportunity for students to reflect and share in personally meaningful ways and is a requirement for Career Life Connections and for graduation. It is a representation of the student’s learning journey and provides an opportunity to contemplate and synthesize as well as showcase and celebrate. Students do not have to sign up for this.
Other Courses

Leadership 10 (OTT) (YIP0A)
Leadership 11 (OTT) (YIP1A)
Leadership 12 (OTT) (YIP2A)
Applications must be received by May 1st
**Depending on scheduling needs, Leadership 10, 11 & 12 may be inside or outside the timetable or a combination of both.

This class will take place one day a week after school throughout the entire year (linear). This course is designed to give students the opportunity to develop their individual and collective sense of social responsibility through the acquisition and application of leadership skills and theory. Students will develop lifelong skills in goal setting, time management, public speaking and communication, school and community service, event planning, public relations and conflict resolution in real time through the implementation of the leadership calendar and various class activities. This is a student driven course where the class determines, under the guidance of their teachers, what activities will be completed. Enrolled students are required to accumulate 100 hours of class activities. Full participation with enthusiasm and unbounded energy is an expectation for all leadership students. Students in this course must also be willing step out of their comfort zone.

Teaching Assistant 11 (YED1A)
Teaching Assistant 12 (YED2A)
Sponsor teacher permission. These courses present the student with the opportunity to experience mentorship under the guidance of a certified teacher. The student must complete a teaching assistant form and have it signed by the sponsor teacher before enrolling in this course.

Youth Train in Trades – Hairstylist Program

This course is a two semester course starting in the second semester of grade 11 (4 blocks) and finishing at the end of the first semester of grade 12 (4 blocks). Students will receive both high school, as well as secondary school credits. Students will study and learn the knowledge behind the hands-on skills used as a hair stylist; as well as having the opportunity to experiment and practice the physical aspects involved in the trade. Students will be taught the fundamental basics with respect to hair growth, thermal styling, designing, chemical texture, cutting and coloring taught by a Red Seal instructor. Students will also be given the opportunity to do short term work experience excursions to salons in their respective communities.

Hairstylist students will be registered as an apprentice with the Industry Training Authority of BC. Prior to beginning the course, the students will be required to purchase $925 their inclusive kit of tools needed to participate in the hands-on aspect of the course. This hairstylist kit is the student's to keep and take with them on their journey after the program.
The choice of hairstylist will result in a specially built timetable. Application forms must be completed for this program. See Mr. Britton in the Career Centre or Ms. Grey in the Trades Building for further information.

At the end of this program, students will write the Industry Training Authority Level 1 Hairstylist Exam and be credited at least 1250 hours and receive their Level 1 Certificate of Completion. Completing this program will qualify candidates to complete Level 2 and their Red Seal Hairstylist Certificate of Qualification.
**Independent Directed Studies**
Students may apply with counselors if they are interested in doing a 1 to 4 credit extension of any Graduation course.

**Inclusion Services**

The Student Support Services Department works collaboratively with parents, district resource staff and community agencies to support the educational programming for students with special learning needs. Individual education plans (IEPs) are developed according to student needs and become an integral part of student programming. The delivery of support for a student varies depending on the student’s level of need.

Learning Assistance begins with basic skill development through inclusion in a regular classroom. This includes indirect support involving Learning Resource Teacher (LRT) and Classroom Teacher collaboration. Learning Assistance may also provide study and organizational skill development in a separate classroom setting.

Students working towards a school-leaving certificate are offered modified courses to build skills and independence. These students work closely with LRT and CEA support to meet the goals of their IEP.

Admittance to Student Support Services will be through the School Based Team. This team consists of teachers, counselors, administrators and learning resource teachers. As your child transitions to PVSS, please contact the school to access any of these services.

**Counselling Services**

Life challenges can disrupt students’ studies but support is available to help students manage these challenges and move forward in a positive, healthy way. Students can come to the counselling staff with a wide range of personal, educational, and career concerns that may be affecting their health and wellness. To make an appointment, students or their parent/guardians may call the school and ask for a counsellor. Students may also walk in to the counselling centre during school hours. Referral services to outside agencies are also available.