

John Oliver Secondary School

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GRADE 9 - 12

COURSE PLANNING HANDBOOK

2017 - 2018

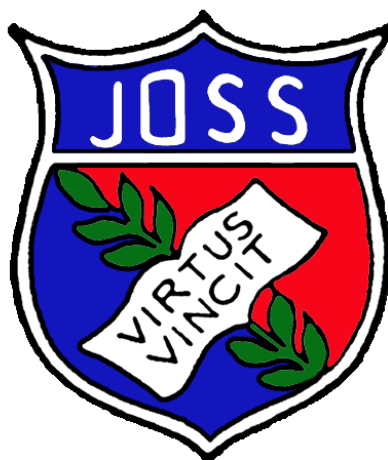


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ADMINISTRATORS

Mr. P. da Silva, Principal
Ms. L. Reynolds, Vice-Principal
Mr. D. Wilmann, Vice-Principal

COUNSELLORS

Ms. A. Alvares, Grade 10
Ms. R. Hock, Grade 11
Mr. A. Steinruck, Grade 12
Mr. R. Edge, Grade 09

MESSAGE FROM THE COUNSELLORS

This course guide is intended to give students and parents an overview of the programs offered at John Oliver. In senior secondary school, the process of choosing courses becomes increasingly complex. Course selection should be made with educational and career goals in mind. The better informed you are, the better your ability to make wise choices. This guide deals exclusively with course related information.

CHOOSE WISELY! IT IS YOUR RESPONSIBILITY TO CHOOSE APPROPRIATE COURSES THAT LEAD TO GRADUATION AND POST SECONDARY EDUCATION.

1. Study the Graduation Requirements.
2. Study the course selection guidelines.
3. Read the course descriptions and note the pre-requisites and recommended pre-requisites.
4. Choose courses that will lead to your educational and career goals.
5. See your counsellor for assistance.
6. See your Career Information Advisor for career and Post-Secondary information.
7. Know the current entrance requirements for Post-Secondary Institutions. Remember, these requirements change frequently. Refer to <https://mybccampus.ca/> for up-to-date information.
8. Consult with your parents/guardians.
9. Talk to people in your preferred career field.

COUNSELLING SERVICES

The general policy is to allow a student to choose any of the counsellors with whom he or she wishes to relate. However, for course planning, each counsellor has a grade responsibility and each student is assigned a counsellor according to grade level.

COURSE SELECTION CALENDAR

Course selections for the following September are made by students in January, February and March. Counsellors guide students in this process but it is ultimately the responsibility of the student and parent to make appropriate choices. It is important that students make these choices with serious thought because it is these choices that determine what courses will be offered in September.

When making course selections, please be aware of the following guidelines:

February – Spring Break, 2017 Students will choose course selections for the following year.

March 10, 2017 Course Selections complete for 2017/2018 academic year

March 30, 2017 Course verification will be sent home with report cards for signature. Course change requests can be made on this form.
If at all possible, course change requests at this time WILL be allowed.

April, 2017 Based on student selections - staffing and course offerings are determined. The school timetable is built around student requests. Courses with low enrolment are cancelled.

June 23, 2017 School timetable completed.

Last week in August, 2017 Dates and times will be announced in the newsletter for corrections:
1. Conflicts and incomplete schedules
2. Summer School Results

September, 2017 Course changes for any other reason than those listed above will not usually be allowed, although exceptions will be made in extenuating circumstances on a case by case basis. The appropriate "Course Change Request Form" must be completed and signed by a parent/guardian before any changes will be considered.

CAREER PROGRAMS

Career Preparation Work Experience

Career Preparation Work Experience is a program that integrates classroom theory with the practical experience in the workplace. The program links the resources of secondary schools, business, industry and the community to provide young people with a highly motivating educational experience.

The program requires students to work full-time for the equivalent of three weeks. Students may spend from one to three weeks with any one employer. Individual timetables are determined for each student. Students are expected to maintain school assignments during this time. School credits are awarded for successful completion of both the in-school and the on-the-job components of the program. Teachers visit work stations to monitor students' progress and evaluate their performance. In addition to providing work experience, the program can help students to make decisions about their future careers and to gain confidence in making the transition from secondary school to the world of work or post-secondary.

Career Preparation is designed to promote closer associations between students and working adults who are willing to share their knowledge. Experienced employees can help students to gain a practical orientation to employment and to career development.

Career Preparation is available in Accounting, Art and Design Careers, Careers in Writing, Carpentry and Joinery, Computer Assisted Design and Drafting, Culinary Arts, Electronics, Entertainment Industry, Entrepreneurship, Fashion Design, General Mechanics, Health Sciences, Home Economics, Law, Library Services, Marketing, Music, Photography Science, Sports and Recreation, and Tourism and Hospitality

DISTRICT PROGRAMS

ACE IT Programs:

The Vancouver School Board offers several district programs for students to pursue industry certification or the foundation level of a trade program. These programs save time and money and offer a huge jump start for students who are also working towards high school graduation. The benefits include:

- Dual credit with post-secondary institutions (most programs)
- Head start with Foundation program training
- Registration with the Industry Training Authority (ITA)
- Potential direct lead into an apprenticeship
- Work experience in the trade

For more information and an application form, please visit the VSB Career Programs website: go.vsb.bc.ca/schools/careerprograms – links to ACE IT, a pdf brochure for each program, and the application package. Also visit the Industry Training Authority website: www.itabc.ca. All students *applying* for ACE IT programs should register at their home school with a full course load. Schools will be asked to modify a student's timetable if the student is accepted into an ACE IT program.

Certification: successful completion of program will lead either to Level 1 technical training credit or a Certificate of Qualification from the Industry Training Authority.

Program	Where the program is taught	Credits towards graduation program	Timetable	Application Due	Month program begins
Auto Refinishing Preparation	VCC	20 credits	Monday - Thursday 8:00 am - 3:00 pm	November 30	February
Auto Collision Repair Technician	VCC	28 credits	Monday - Thursday 8:00 am - 3:00 pm	March 7	September
Auto Service Technician	Britannia	16 credits	Day 2	March 7	September
Baking and Pastry Arts	VCC	24 credits	Monday - Thursday 1:00 pm - 7:15 pm	November 30	August
Hairdressing	Vancouver Technical School	28 credits	7 blocks in Grade 12 + English 12	March 7	September
Carpentry	Coquitlam SD	20 credits	February - June Monday - Friday Semester 2	March 7	February
	BCIT	16 credits			
Cook	Sir Charles Tupper (priority to SCT students)	16 credits	Day 2	March 7	September
Cook	David Thompson	16 credits	Day 2	March 7	September
Plumbing	Piping Industry College of BC	4 credits	Mid-June to late July	March 7	June
Piping	North Vancouver Squamish First Nations (KPU)	20 credits	February - August Monday - Friday	March 7	February
Painting	Finishing Trades Institute of BC	4 credits	Mid-June to late July	March 7	June
** Millwright	BCIT	20 credits	Monday - Friday	March 7	February
** Motorcycle & Power Equipment	BCIT	20 credits	Monday - Friday	March 7	February
** Metal Fabrication	BCIT	20 credits	Monday - Friday	September 30	February

**** Limited spots available – must contact Wendy Gilmour in the school year prior to program**

Secondary School Apprenticeship

Students with the skills and connections can start an apprenticeship in high school. Students who are already working in an apprenticeable trade can formalize the apprenticeship relationship with their employer. There are 4 courses (16 credits) available to these students when they have a formal ITA agreement arranged through Wendy Gilmour, Apprenticeship Facilitator 604-713-4470. Information and application forms are available on the VSB website: go.vsb.bc.ca/schools/careerprograms/ → Our Programs → Secondary School Apprenticeship

Tupper Tech - Skilled Trades Program at Sir Charles Tupper Secondary

A program for students who are not sure which trade is right for them.

- Day 2
- Remain registered @ home school Day 1 for academics
- 24 graduation credits
- Grade 12 program

For more information on Tupper's program, contact Ms. Siu Ma (ssma@vsb.bc.ca) or visit our Program website: go.vsb.bc.ca/schools/careerprograms/ → Our Programs → Tupper Tech

Trades Discovery (Grade 12 or 12+)

A hands-on program through BCIT that gives students an overview in approximately 15 different trades including metal fabrication, welding, framing, and electrical.

- 16 weeks – February to June
- Monday to Friday, 7:00 am – 1:00 pm
- 12 graduation credits, if needed

For more information on the Trades Discovery program, contact Wendy Gilmour (wgilmour@vsb.bc.ca).

Other Dual Credit programs:

IT and CISCO Networking Program

Students will diversify and enhance their computer knowledge by building a computer, installing software and connecting the computer to networks and to the internet.

- Grade 12
- Day 2
- Killarney Secondary
- One-year cohort program
- Hands-on, laboratory courses
- Prepare for industry-recognized certification
- Receive advanced placement at BCIT

For additional information an application can be found on the VSB Career Programs website at: go.vsb.bc.ca/schools/careerprograms/ → Our Programs → CISCO

Healthcare Assistant

Students will prepare to work as front line caregivers in home support, adult day care, assisted living, and complex care (including special care units).

- 28 weeks (September to March)
- 28 graduation credits
- Vancouver Community College

For additional information an application can be found on the VSB Career Programs website at: go.vsb.bc.ca/schools/careerprograms/ → Our Programs → Healthcare Assistant

Fashion Design and Technology

Students will enhance their construction skills; study history of costume, fashion merchandising; practice tailoring techniques and pattern drafting. Basic computer assisted design and fashion illustration will be practiced. In year 2, students will complete the graduation collection and portfolio needed for post-secondary entrance. Students may have the opportunity to participate in dual credit opportunities with a Fashion Design Program at a local post-secondary institute.

- Two-year cohort program: grade 11 & 12
- Day 2
- Eric Hamber Secondary

For additional information an application can be found on the VSB Career Programs website at: go.vsb.bc.ca/schools/careerprograms/ → Our Programs → Fashion Design & Technology

BUSINESS EDUCATION

ACCOUNTING 11 (MAC--11)

Accounting 11 provides a solid foundation in basic accounting concepts. Students gain insight into personal finance and business career opportunities. The course is valuable for individuals who are considering a career in business and for those who just want to be better at managing their own financial matters. There is a fee for the workbook.

FINANCIAL ACCOUNTING 12 (MFA--12)

Advanced concepts of financial accounting encourage the development of decision-making and communication skills necessary for success in investment and finance industry. Emphasis is on understanding accounting theory and the creation and interpretation of accounting reports.

MARKETING 11 (MMK--11)

Students learn marketing concepts from the point of view of a marketing manager – a decision maker who understands a broad foundation of theories and business operations. Marketing 11 is a good course for any student who is considering a career in retail, merchandizing, and commerce.

MARKETING 12 (MMK--12)

Marketing 12 students learn and apply business concepts and practices related to the development of products and services. Course emphasis is on How to Build a Values-Driven Business. Projects that reflect current business practices are used to stimulate interest in business opportunities. This is an excellent choice for students who are considering a career in the business world and value social justice. If you are interested in a career in advertising, promotions, public relations, or business ownership, Marketing 12 is a wise choice.

ENTREPRENEURSHIP 12 (MENT-12)

If you identify yourselves as social entrepreneur and are interested in making money, and helping out the world around you, by running your own Values-Driven business, this is the course for you. Students work individually and in teams to plan and analyze a variety of socially aware Businesses. Business simulations are used to provide realistic exposure and insight to effective decision-making and proper teamwork. Entrepreneurship students learn how to explore opportunities and how to distinguish between business ideas and real opportunities.

ENGLISH

ENGLISH 9 (MEN--09)

English 9 provides opportunities for individual and group learning in the language arts, i.e., reading-viewing, writing-representing, and speaking-listening. You will develop your critical, analytical, and creative thinking through the study and interpretation of language and literature. In addition, you will strengthen and extend your knowledge of literary terms, concepts, and devices. You will undertake a variety of oral and written assignments and develop your essay-writing skills. A focus on independent reading is included in order to foster a love of reading in young students.

ENGLISH 10 (MEN--10)

English 10 provides opportunities for individual and group learning in the language arts, i.e., reading-viewing, writing-representing, and speaking-listening. You will continue to sharpen your critical, analytical, and creative thinking through the study and interpretation of language and literature. In addition, you will strengthen and extend your knowledge literary devices and polish your communications skills. You will undertake a variety of oral and written assignments and further develop your essay-writing skills. A focus on independent reading is included in order to foster a love of reading in young students.

ENGLISH 11 (MEN--11)

In English 11, students are introduced to higher-level skills in reading-viewing, writing-representing, and speaking-listening. Students will refine their critical, analytical, and creative thinking through the study and interpretation of language and literature. In addition, they will solidify their knowledge of literary terms, concepts, and devices. Emphasis throughout the course is on the refinement of essay writing and public speaking skills. A focus on independent reading is included in order to foster a love of reading in young students.

ENGLISH 12 (MEN--12)

English 12 continues the development of the higher-level skills introduced in English 11. Students undertake in-depth analyses of selected literary works, while honing their analytical, critical, and creative thinking. Emphasis throughout the course is on the refinement of essay writing and public speaking skills. A focus on independent reading is included in order to foster a love of reading in young students. Dedication to the goals and requirements of the course form the foundation for success on the English 12 Provincial Examination in June, which is worth 40% of the final mark.

COMMUNICATIONS 11 (MCOM-11)

Communications 11 is designed for students who have not achieved a high level of success in English 10. The course emphasizes the development of communication skills (reading-viewing, writing-representing, and speaking-listening) that apply across the curriculum and provides integrated learning experiences which help to accomplish this goal. A focus on independent reading is included in order to foster a love of reading in young students. Successful completion of the course qualifies students for Communications 12.

COMMUNICATIONS 12 (MCOM-12)

This course continues the development of communication skills that were introduced in Communications 11. The basics of the course include functional writing for practical purposes, vocabulary development, and reading comprehension. The course places a particular emphasis on non-fiction reading. The basic elements of communication – reading-viewing, writing-representing, and speaking-listening – constitute the core of the curriculum for the course. Dedication to the goals and requirements of this course ensures success on the Communications 12 Provincial Exam in June, which is worth 40% of the final mark.

CREATIVE WRITING AND CHILDREN'S LITERATURE 11 (YLE--1C)

Creative Writing and Children's Literature will be an enjoyable, interesting, creative writing-based course open to students with a range of abilities. It is open to students in Grades 10-12, and is project-based. Students will read children's literature, teen fiction, and creative writing with the ultimate goal of students creating their own writing projects in their own areas

of interest. The course will include techniques that authors use such as setting, theme, point of view and figurative language, and will explore multiple genres of writing, including mystery, science fiction, and horror. Students can also explore non-traditional forms of writing such as web content, graphic novels, zines, slam poetry, and comics.

ENGLISH LANGUAGE LEARNING/ELL

ELL designated courses are in place for language support and learning. Each student is evaluated and placed according to language support needs. Each term, students receive feedback about the effort and skills they display and areas that need extra attention. Because language learning occurs at varying rates, students may take more or less time to reach a level where no specific language support is required. Students may receive ELL support for up to 5 years, and beyond if necessary.

ENGLISH LANGUAGE LEARNING CLASSES

LEVEL ONE:

Students take five core English language courses as well as three integrated subjects such as physical education, math, and arts.

Reading I
Writing I
ELL Science
ELL Social Studies

LEVEL TWO:

Students take three ELL language classes as well as five integrated courses.

Reading II
Writing II
ELL Social Studies II

LEVEL THREE:

Students take a grade equivalent English course and an English language support block.

Transitional English + Grade specific/or regular English 10
Jr. Transitional English + Grade 8 + 9 regular English students

TRANSITIONAL LANGUAGE

Transitional language is **the second half** of a twin course designed for students whose first language is other than English. The course acts as a bridge between ELL classes and Regular English. Course emphases include: sentence sense, sentence structure, paragraph development, and an introduction to the standard five-paragraph essay format. The course prepares students to cope with the Writing and Language requirements of Senior English. (**Transitional English Literature** and **Transitional Language** are taken concurrently.)

ELC COMPOSITION 11

This course is designed to give support to former ELL students who may need assistance with their regular English 11 or 12 class. The main emphases are composition – effective paragraph and essay writing – and the skills of literary interpretation and analysis. Course content draws from the core writing and reading skills of English 11 and 12. Composition 11 is a full-credit, full-time course.

ELL ACADEMIC STRATEGIES 10

This course is designed to introduce students to the four main English language skills of reading, writing, listening and speaking. The course focuses on developing strategies needed to read, write and extract information successfully in English and addresses specific needs of students regarding language and culture. Throughout the course students participate in authentic real-life situations. Students demonstrate English language proficiency in oral, visual, and simple written forms using Simple Present, Past, and Future Tenses. Students identify and compare their own customs to Canadian culture and customs.

EXCEPTIONAL LEARNERS SPECIAL EDUCATION PROGRAMS

John Oliver supports students with learning needs through a wide spectrum of services. Students who are fully integrated into regular classes can be assigned a block through the Skills Development Centre where they receive instruction in learning strategies and help with their daily assignments. Where appropriate, a Resource Teacher is assigned to students with specific learning disabilities to monitor their progress, liaise with teachers and provide individualized support. Specific programs are in place to address the learning needs of students ranging from Life Skills through to Learning Assistance. These programs are accessed through Central Screening. Refer to the John Oliver website for more specific information on individual district programs available.

HOME ECONOMICS

TEXTILES 10 (MTXT-10)

Develop your sewing skills while learning about fabrics, patterns and design. You will focus on the basics of clothing construction from fibers to fashion. Consideration will be given to repair and renewal of garments. A supplemental fee will be collected; further costs will depend on the fabrics you purchase for some projects.

FOODS 10 (MFDN-11)

Learn about the food you eat by examining the components that make up each food product. You will study different foods and prepare them in class. Examples may include: Breakfast foods, wraps, pasta, lasagna, pizza, hamburgers, and a variety of sweet baked goods. Learn about safe food preparation, nutrition, food trends, and marketing. A supplemental fee will be collected.

TEXTILES 11 (MTXT-11)

Learn about the properties of fabrics, pattern alterations, and the repurposing of textile items. Explore the elements and principles of design as you complete several projects. You will evaluate finished textile items based on their design, construction, cost and function. A supplemental fee will be collected; further costs will depend on the fabrics you purchase for some projects.

TEXTILES 12 (MTXT-12)

Examine the relationship between textiles, patterns, and garment use. Learn about the creation of textile items, including design, garment construction and fabric manipulation. A supplemental fee will be collected; further costs will depend on the fabrics you purchase for some projects.

FOODS 11 (MFDN-11)

While cooking a variety of foods you will examine the components of a recipe, function of ingredients, and food preparation methods. You will examine the roles, responsibilities and regulations of Canadian agencies involved in the food industry. Food safety and nutrition will be integrated throughout the course. A supplemental fee will be collected.

FOODS 12 (MFDN-12)

This class will advance the food preparation techniques you already have, while foods are examined and made. You will practice meal planning with particular attention to timing, equipment, ingredients and methods of food preparation. You will explore a variety of food issues, nutrition, and health claims. A supplemental fee will be collected.

CHILD DEVELOPMENT AND CAREGIVING 12 (MFM--12)

You will study physical social, emotional and cognitive stages of development from conception to age twelve. You will explore what it is like to care for children in today society. You will learn about conception, pregnancy, and childbirth before studying theories of child development

CAFETERIA TRAINING 11 (MCAFT11)

Recommended Prerequisite: Home Economics 10 Foods

This introductory cafeteria course provides students with a learning situation comparable to a professional quantity food service kitchen. In this active participation class, students will learn basic restaurant skills in safety and sanitation, food preparation (baking, sandwich and salad making, meat, fish and poultry cookery, short-order cooking, soups and sauce preparation, vegetable, pasta and rice cookery), operation and maintenance of industrial equipment, and customer service. Students will receive Foodsafe Level I certification.

CAFETERIA TRAINING 12 (MCAFT12)

This is a foods program which gives students training in quantity (commercial) food production and catering and builds on the skills learned in Cafeteria Training 11. Although the emphasis is on quantity production, the principles and skills learned may also be applied in the home. It is the intent that students will develop valuable skills, which can be used to acquire a job and/or to make career choices. Units of study include kitchen organization, use of industrial equipment, safety and sanitation, counter and table service, cashiering, as well as food preparation skills in baking, sandwich and salad making, meat fish and poultry cookery, short order cooking, soups and sauce preparation, vegetables, pasta and rice cookery. If you love to participate this course is for you.

CULINARY ARTS 11 (YVHE-1A)

Units of study are similar to Cafeteria Training 11 but students are expected to build on skills already learned and assume more responsibility in the kitchen.

CULINARY ARTS 12 (YVHE-1A)

This quantity foods program is like Cafeteria Training 12 and both may be taken concurrently. Units of study are similar but students are expected to build on skills already learned and to assume more responsibility in the kitchen, e.g. Management skills. Students who have completed Cafeteria Training 11 and 12 and Culinary Arts 11 and 12 and are further interested in Culinary Arts can be approved by the teacher to sign up for an Independent Directed Study class in the Cafeteria.

INFORMATION & DIGITAL TECHNOLOGY

MEDIA ARTS 10 (MVAM-10)

Media Arts 10 is an exciting course in which students will develop their own artistic knowledge and skills by introducing them to current digital arts technologies such as Adobe CS4 (Photoshop and Illustrator) and various sound and Video authoring software. In this course student will use their own creativity to make images, both still and motion, and multimedia presentations which reflect their own perception and understanding of the world and society in which they live. An understanding of how to use digital cameras, recorders and scanners is helpful but not essential.

MEDIA ARTS 11/12 (MVAMT11/MVAMT12)

Visual Arts: Media Arts 11/12 is a full year course designed to provide Grade 11 &12 students with an opportunity to explore the art of digital media making through the use of new media technologies and related software and audio visual peripherals.

This course teaches students how to use the computer as an artistic tool and to expand students creative abilities utilizing the digital gadgets they have around them - iPods, digi-cameras, smart phones etc. Students will focus on their own creativity and passion to fulfil curricular goals that ultimately will lead them to being life-long learners in the digital landscape.

Students need to bring their own earphones and flash drives. Students are welcome to bring their own laptops or tablets.

Previous computer experience is not required.

There are no course fees and no course book will be issued. Readings will be posted on-line.

DIGITAL IMAGERY AND PHOTOGRAPHY 11 (YVDA-1L)

This course will provide students with the opportunity to capture, manipulate, and share digital imagery and photographs. In addition, students will learn technical skills related to imagery theory as the operation of cameras and photo editing software.

DIGITAL PHOTOGRAPHY 12 (YVPA-2L)

This course is a continuation of Digital Photography 11 and has been developed to help students explore the range of personal and social expression through digital photography and multi-media as a communication tool and art form. Students will be able to investigate the diverse opportunities and possibilities for related careers and interests. Students will learn photographic and compositional skills and learn how to apply them to different output or presentation forms: internet, slide shows, home videos, advertising, historical documentation, publishing, gallery exhibitions, and more. The course will focus on digital format photography and how they can be used presentations for art and communication. Students will make digital photographs and multi-media presentations. Students will be expected to develop an appreciation of photography and multi-media works and respond to them critically in an informed and responsible manner. Students having their own DSLR camera is an asset but not a requirement.

ANNUAL PRODUCTION 11/12 (YCCT-1C)

Yearbook Production 12 is an advanced course in magazine, web page, and book publishing. Students will enter this course with a high level of maturity and computer sophistication. Students must be able to work in an extremely stressful, time sensitive, team environment. This course uses Adobe CS4, InDesign Illustrator, PhotoShop and Acrobat. Students are responsible for publishing the school yearbook and other major projects. It is recommended that students have a digital camera. There is a large leadership component to this course.

YEARBOOK DESIGN 12

Yearbook Design 12 is a second year course open only to students who have successfully completed Yearbook Production 12. Students in this course will take on a major leadership role.

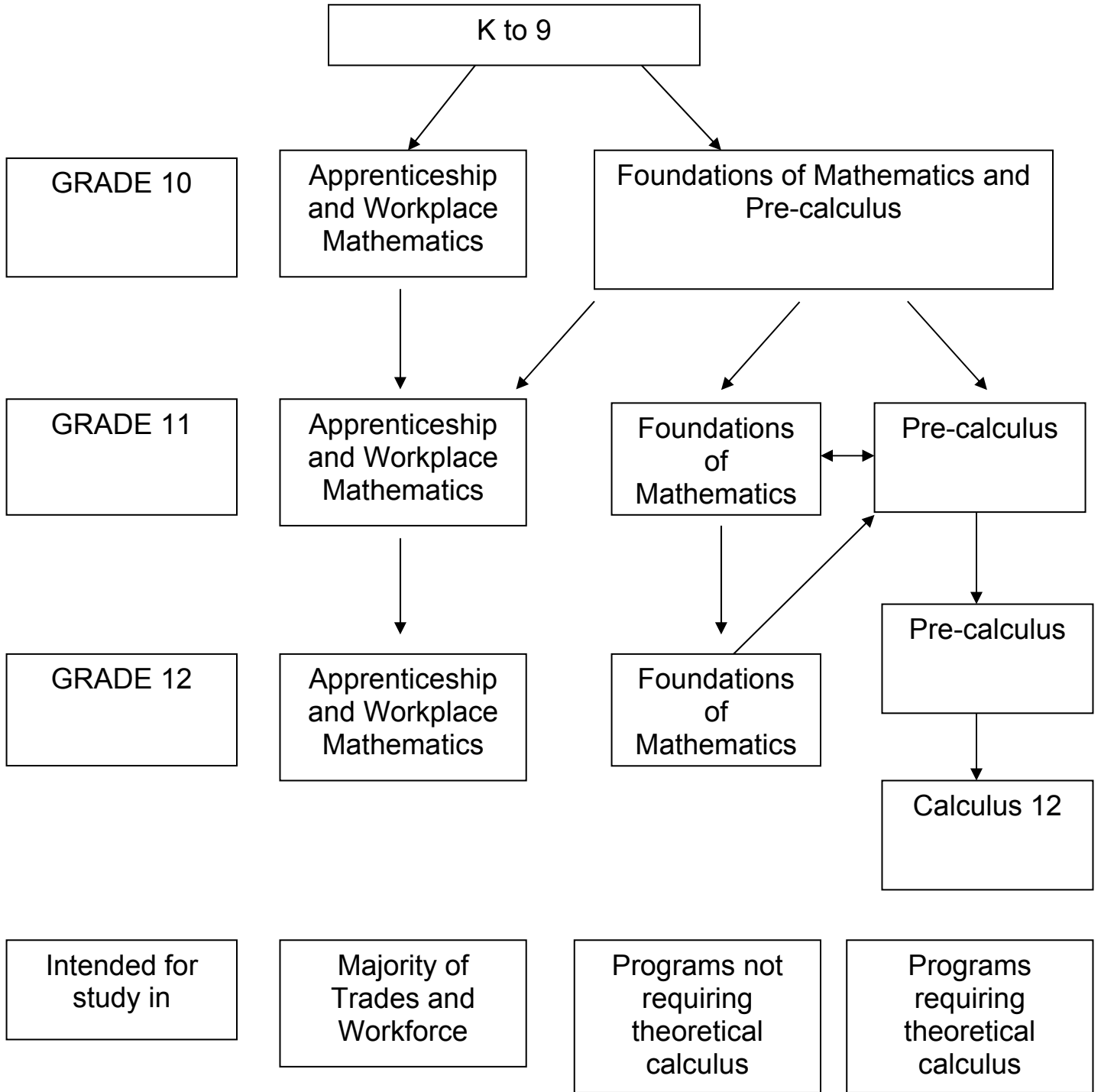
ICTX 11/12 – INFORMATION AND COMMUNICATION TECHNOLOGY (MICTX11/MICTX12)

This is a course about making computer games. How are computer games made? How are they networked? How are they marketed across Internet? From beginning to end in the development of games, each student will design a game, debug it, and market it. Software may include Java, Android, iPod OS, Python, Blender 3D Animation, HTML 5, Flash, CSS, Linux OS, GameMaker, Microsoft XNA, Photoshop...

Students must demonstrate creativity and a willingness to explore and navigate the world of Information Technology. This requires students to familiarize themselves with computer programming.

This course does not have any prerequisites.

MATH OVERVIEW OF PATHWAYS



MATH

MATHEMATICS 9 (MMA--09)

Math 9 is a continuum of the skills from Mathematics 8 course to assist further aptitudes. Students will study Rational Operations, Algebra, Spatial Proportions, Probability, Finance, and Problem Solving.

MATH 9 ADAPTED (MM--09ADP)

This course is designed for students who achieved 55% or less in Mathematics 8. The course content is the same as Mathematics 9, but with adaptations. Successful students in this course will progress to Apprenticeship & Workplace Mathematics 10. Topics include: Rational Operations, Algebra, Spatial Proportions, Probability, Finance, and Problem Solving.

APPRENTICESHIP AND WORKPLACE MATHEMATICS 10 (MAWM-10)

It is recommended that students who earn 55% or less in Mathematics 9 or intends to pursue a trade or technical job after high school should enroll in this course.

This pathway is specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades at post secondary and for direct entry into the work force. Topics include algebra, geometry, measurement, number, statistics and probability. If your child has worked hard in Math 8 or 9, enjoys working on projects or “hands-on” activities, or intends to pursue a trade or technical job after high school, then choose the Apprenticeship and Workplace pathway.

FOUNDATIONS & PRECALCULUS MATHEMATICS 10 (MFMP-10)

This course introduces students to the mathematical understanding and critical-thinking skills further developed in the Foundations of Mathematics & Pre-Calculus pathways. Topics include algebra, measurement, number and relations and functions. The seven mathematical processes (communication, connections, mental mathematics and estimation, problem solving, technology and visualization) are interwoven throughout the mathematical topics. If your child has been very successful in Math 8 and 9,

enjoys the challenges of Math, and is thinking about future education or a career that involves Sciences, Engineering, social sciences such as Economics, Geography, Psychology, Arts or Humanities, then starting the Foundations and Pre-Calculus Mathematics 10 will be the best choice. This course leads to Foundations 11 and/or Pre-Calculus 11.

APPRENTICESHIP AND WORKPLACE MATHEMATICS 11 (MAWM-11)

Students who obtain less than 60% from FMP-10 are recommended to take AWM-11

This course is designed to provide students with the mathematical understanding and critical thinking skills identified for entry into the majority of trades and for direct entry into the workforce. Topics include: Measurement, Geometry, Finances, Algebra and Statistics. This course gives students the graduation requirement in mathematics.

FOUNDATIONS OF MATHEMATICS 11 (MFOM-11)

It is recommended that students have obtained at least a C grade from FMP-10.

This course is designed to provide students with the mathematical understanding and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Students who are thinking about future education or careers in Social Sciences or Arts should choose this course. Topics include: Measurement, Geometry, Logical Reasoning and Statistics. This course gives students the graduation requirement in mathematics. Because there is not a large overlap between this course and PreCaclulus 11, some students may wish to take both courses.

PRE-CALCULUS 11 (MPREC11)

Recommended Prerequisites: FMP-10. It is recommended that students have obtained at least a B grade from FMP-10

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post secondary programs that require the study of theoretical calculus. Typically, a student would be planning to enter a college or university in a mathematics, science, engineering, medicine or commerce program. Topics include: Algebra and Numbers, Trigonometry, Relations and Functions. This course gives students the graduation requirement in mathematics. Because there is not a large overlap between this course and Foundations 11, some students may wish to take both courses.

FOUNDATIONS OF MATHEMATICS 12 (MFOM-12)

Recommended Prerequisites: FMP-11. It is recommended that students have obtained at least a C grade from FMP-11.

This course is designed to provide students with the mathematical understanding and critical thinking skills identified for post secondary studies in programs that do not require the study of theoretical calculus. Students who are thinking about future education or careers in Social Sciences or Arts should choose this course. Topics include: Financial Mathematics, Logical Reasoning, Probability, Relations and Functions.

PRE-CALCULUS MATHEMATICS 12 (MPREC12)

Recommended Prerequisites: PreCalculus 11. It is recommended that students have obtained at least a B grade from PreCalculus 11.

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post secondary programs that require the study of theoretical calculus. Students who are thinking about future education or careers in Sciences and Engineering should take this course. Topics include: Transformations, Logarithms, Trigonometry, Combinatorics, Relations and Functions.

CALCULUS 12 (MCALC12)

Recommended Co/Prerequisites: PreCalculus 12. It is recommended that students have obtained at least a B+ grade from PreCalculus 12.

CALCULUS 12 Continued: Topics covered include the theory of limits, differentiation, integration of areas and volumes of rotation, and practical problems involving these skills and techniques. Students who successfully complete this course will find themselves well prepared for any first year university calculus course. Students taking this course must be enrolled in or have completed PreCalculus Mathematics 12.

PRECALCULUS MATHEMATICS 12 SEMESTER (MPREC12SEM)

Recommended Prerequisites: PreCalculus 11. It is recommended that students have obtained at least a B+ grade from PreCalculus 11.

This course covers the same subject area as PreCalculus 12, but is designed to be completed in one semester (5 months). With daily classes, the subject matter can be approached in a more intense, continuous manner which is helpful to those students who also wish to take Calculus 12. Commitment to regular daily study is required in order to enhance learning in this academically demanding course offered in the semester system. This course is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post secondary programs that require the study of theoretical calculus. Students who are thinking about future education or careers in Sciences and Engineering should take this course. Topics include: Transformations, Logarithms, Trigonometry, Combinatorics, Relations and Functions.

CALCULUS 12 SEMESTER (MCAL12SEM)

Recommended Co/Prerequisites: PreCalculus 12. It is recommended that students have obtained at least a B+ grade from PreCalculus 12.

This course covers the same subject area as Calculus 12, but is designed to be completed in one semester (5 months). With daily classes, the subject matter can be approached in a more intense, continuous manner which is helpful to those students who also wish to take PreCalculus 12. Commitment to regular daily study is required in order to enhance learning in this academically demanding course offered in the semester system.

Topics covered include the theory of limits, differentiation, integration of areas and volumes of rotation, and practical problems involving these skills and techniques. Students who successfully complete this course will find themselves well prepared for any first year university calculus course. Students taking this course must be enrolled in or have completed PreCalculus Mathematics 12.

MINI SCHOOL – DIGITAL IMMERSION

SCHEDULES

YEAR 1

Digital Immersion 8 – (Basic Care of computers care, maintenance and storage, Rules of engagement, Digital Citizenship and Social Media, Google Apps and Blogging, Mac OS X and Apple Wiki Server, Productivity Tools, Field studies to UBC, How it works, Innovation, Independent Directed Studies IDS Project Tuning, IDS Content Creation Time, IDS Presentation, Critical Reflection)

Mini English 8

Mini Math 8 – will begin with review fractions, integers, per cents then go to math 9

Mini Physical Education 8

Mini Science 8

Mini Social Studies 8

YEAR 2

Digital Immersion/PE 9 – (Social Media and professional web presence, Media Literacy, Imagery, Audio tools, Film Production, Independent Directed Studies, IDS Project Tuning, IDS Content Creation Time IDS Presentation, Critical Reflection)

Leadership 10 (see Social Studies Dept. for course description)

Mini English 9

Mini Math 10

Mini Science 9

Mini Social Studies 9

YEAR 3

Digital Immersion 10 – (Social Media and professional web presence, Web Design (HTML and CSS), Multimedia (imagery, audio, video mashup), Digital Storytelling, Blender, Networked Learning, Intro to coding, Big Idea - Challenge-based learning, Independent Directed Studies IDS Project Tuning, IDS Content Creation Time, IDS Presentation, Critical Reflection)

Mini English 10

Mini Math 11

Mini Science 10

Mini Social Studies 10

YEAR 4

Digital Media 11 – (Social Media and professional web presence, Blog Tools, Instructional Design Building Knowledge Assets, Learning Legacy Project/Challenge Based Learning 2 x IDS Minor Project, IDS Major Project, Internship/Work Experience
Or double Major Project in lieu of 2 minor projects.
Or yearlong project aligned with a provincial examinable course. Challenge exam)

Mini English 11

Mini Math 12

Mini Social Studies 11

YEAR 5

Career Strategies 12 – (Social Media and professional web presence, Learning Legacy Project/Challenge Based Learning, 2 x IDS Minor Project, Internship/Work Experience, IDS Major Project, **Or** double Major Project in lieu of 2 minor projects, **Or** yearlong project aligned with a provincial examinable course. Challenge exam)

Geography 12 – (see course information under Socials Studies courses)

Mini English 12

CAREER STRATEGIES 12 (YSEVC2E)

Course Synopsis: This course has been developed to help students meet the economic and financial challenges of adulthood and assist them in their transition to either a post-secondary or work environment. It presents information that will be relevant throughout their lifetimes in the areas of career management, career search strategies and self-assessment. Students have the opportunity to upgrade and enhance their knowledge of multimedia and presentation formats that will be useful in achieving their personal and career goals. A mentorship component, which is integrated throughout the course, helps students focus on the road ahead and provides support and advice about career and course selections. Students will pursue their area of interests in minor and major projects aligned with their professional goals. Students will prepare a professional portfolio.

Open to all grade 12's subject to application process.

MODERN LANGUAGES

FRENCH 9 (MFR--09)

French 9 is a lively and hands-on continuation of the French 8 program. This course emphasizes the further development of oral-aural communication by way of animated activities such as games, role-play and presentations. Through the exploration of authentic French works including short stories, musical lyrics, and articles, students will increase their reading and writing skills while being exposed to cultural aspects of life in France, French Canada and other French-speaking countries. Themes covered include school, style, music, sports, and outdoor adventure. Enthusiasm is mandatory, berets are optional. There is a \$20 workbook fee.

FRENCH 10 (MFR--10)

French 10 is a dynamic and engaging continuation of the French 9 program. This year, students will build on their language skills by acquiring strategies for understanding spoken and written French such as increasing vocabulary, understanding structures and communicative strategies, improving listening comprehension and deconstructing grammar rules. Fun-filled activities such as games and role-play will support oral-aural development and the use of authentic French works, such as short stories, articles, and films, will expose students to the diverse cultures in the Francophone world. Themes covered include interior design, childhood memories, exploring Canada, and job searching. Participation is mandatory, moustaches are optional. There is a \$20 workbook fee.

FRENCH 11 (MFR--11)

This is an exciting continuation of French 10 as students will now use the language skills they have developed to express their personal experiences, preferences, and opinions. Gone are the days of rote memorization and constant repetition. Students will tantalize their foodie taste buds, reminisce about childhood memories, deconstruct and create advertisements and explore multiculturalism in Canada. The course delivers all the components of a language program - reading, writing, listening, speaking and culture - centered around engaging activities such as games, role play, group work, debates, and multi-media presentations. French 11 satisfies University entrance requirements. Enthusiasm and participation are mandatory, baguettes are optional. There is a \$20 workbook fee.

FRENCH 12 (MFR--12)

This is the riveting culmination of the 5 year French program and a continuation of French 11. The focus

will be on communication skills that will add sophistication to speaking and writing. Students will develop their ability to express their thoughts and opinions through discussions and explorations centered around authentic French works such as movies, articles, music, novel studies and plays. Students will be able to explore their own artistic abilities as painting, slam poetry writing and improvisation are part of the curriculum. The course delivers all the components of a language program - reading, writing, listening, speaking and culture - centered around engaging activities such as games, role play, group work, debates, and multi-media presentations. French 12 satisfies 1st year University language course requirements. Active participation is mandatory for success in this course.

BEGINNER SPANISH 11 (MBSP-11)

Beginning Spanish 11 is an exciting and interactive course offered to any student in grade 10, 11 or 12. Emphasis is placed on having fun conversations with classmates and are used as the starting point for reading and writing. Those enrolled in the course will view videos and film, listen to music, and participate in roll plays. Students will increase their appreciation of diverse Spanish cultural identities, personalities and cultural customs. This course leads to Spanish 11. BSP11 and SP11 satisfy university entrance requirements. There is a \$25 workbook fee. This workbook will continue to be used in SP11.

SPANISH 11 (MSP--11)

Spanish 11 is the exciting continuation of Beginner Spanish 11. It is open to both grade 11 and grade 12 students. Students will continue to develop speaking and writing skills in interactive and engaging ways. Culture will be explored by learning about fashion, food and typical pass times. Those enrolled in the course will view films, create videos, and produce projects of personal interest. This course leads to Spanish 12. BSP11 and SP11 satisfy university entrance requirements. There is no workbook fee.

SPANISH 12 (MSP--12)

Spanish 12 is the exciting continuation Spanish 11. Students will continue to develop speaking and writing skills in interactive and engaging ways. Students will enjoy watching Spanish films, create videos, examine important technological change and discuss pressing environmental issues. Workbook fee is \$20.

PHYSICAL EDUCATION

PHYSICAL & HEALTH ED 9 BOYS PHYSICAL & HEALTH ED 9 GIRLS (MPHE-09B--/MPHE-09G--)

Physical and Health Education 9 is a continuation of the concepts, theories and skills developed in PHE 8. The goal of PHE is to build students' physical and emotional well-being through the promotion of active living, movement skills, fair play and leadership. Students will also develop the ability to make healthy choices with respect to their emotional and mental well-being, and incorporate strategies for developing positive relationships. Students will have the opportunity to engage in a variety of activities to further develop their knowledge and skills in the *curricular areas of team sports, individual pursuits, cooperative games, dance, gymnastics, fitness, and outdoor pursuits*. A supplemental fee may be charged to cover the cost of extra-curricular field trips and guest instructors when available.

PHYSICAL & HEALTH ED 10 BOYS PHYSICAL & HEALTH ED 10 GIRLS (MP--10B--/MP--10G--)

Physical and Health Education 10 is a continuation of the concepts, theories and skills developed in PHE 9. The goal of PHE is to build students' physical and emotional well-being through the promotion of active living, movement skills, fair play and leadership. Students will also develop the ability to make healthy choices with respect to their emotional and mental well-being, and incorporate strategies for developing positive relationships. Students will have the opportunity to engage in a variety of activities to further develop their knowledge and skills in the *curricular areas of team sports, individual pursuits, cooperative games, dance, gymnastics, fitness, and outdoor pursuits*. A supplemental fee may be charged to cover the cost of extra-curricular field trips and guest instructors when available.

PHYSICAL & HEALTH ED 11 BOYS PHYSICAL & HEALTH ED 11 GIRLS (MP--11B--/MPE11G--)

Physical and Health Education 11 is a senior elective course that builds on the concepts, theories and skills developed in the junior PHE courses *with a focus on exposure to recreational activities and lifelong pursuits through a variety of field trips and special guest instructors*. *Extra-curricular activities may include dragon boating, kayaking, hiking, camping, skiing and rock climbing*. *Curricular units to be covered include activities in the area of team sports, individual pursuits, cooperative games, fitness and dance*. PHE 11 also has a service and leadership component to the intramural program.. A supplemental fee will be charged to cover the cost of extra-curricular field trips and guest instructors.

PHYSICAL & HEALTH ED 12 BOYS PHYSICAL & HEALTH ED 12 GIRLS (MP--12B--/MPE12G--)

Physical and Health Education 12 is a senior elective course that builds on the concepts, theories and skills developed in the junior PHE courses *with a focus on exposure to recreational activities and lifelong pursuits through a variety of field trips and special guest instructors*. *Extra-curricular activities may include dragon boating, kayaking, hiking, camping, skiing and rock climbing*. *Curricular units to be covered include activities in the area of team sports, individual pursuits, cooperative games, fitness and dance*. PHE 12 also has a service and leadership component to the intramural program. Successful completion of this course may satisfy certain aspects of the graduation transitions process—please see your PHE teacher for more details. A supplemental fee will be charged to cover the cost of extra-curricular field trips and guest instructors.

FITNESS 11 CO-ED (YHRA-1B)

Fitness 11 is a senior elective course that focuses on personal fitness and healthy lifestyle choices with an emphasis on developing student's cardiovascular endurance, muscular strength and endurance, core agility and flexibility—this course is designed specifically towards further improving students' fitness levels. Students will learn the various techniques, theories and concepts of various training methods for general or sport-specific activities. Knowledge gained in this course will be applied into the design and implementation of a muscular and aerobic fitness program specific to the individual's needs. A supplemental fee will be charged to cover the cost of extra-curricular field trips and guest instructors.

FITNESS 12 CO-ED (YHRA-2B)

Fitness 12 is a senior elective course that *builds on the theories, techniques and concepts of various general and sport-specific training methods learned in Fitness 11—cardiovascular endurance, muscular strength and endurance, core agility and flexibility.* Students will be exposed to a greater variety of principles and theories related to various fitness training and *apply them to the creation of a dynamic fitness program that is tailored to meet the individual's specific needs. Students will learn how to re-evaluate their fitness programs and implement necessary changes in order to meet their fitness goals and objectives.* Fitness 12 will also *explore topics around nutrition, sport supplements as well as injury care and prevention.* A supplemental fee will be charged to cover the cost of extra-curricular field trips and guest instructors.

LEADERSHIP PE 11 (CO-ED) (YHRA-1A)

PHE Leadership 12 is a senior elective course with a *focus on developing student's knowledge and skills in leadership through the exploration of various leadership styles, concepts and theories.* Becoming active leaders will enable students to live a productive and satisfying quality of life in society. Students will have the opportunity to develop their

own personal leadership styles while gaining valuable insight in leadership positions that focus on recreational activity, event management, and student lead initiatives. *Leadership opportunities will be made available through the school programs such as Intramurals, JO Athletic Tournaments, and other programs and initiatives that incorporate the greater JO community—feeder Elementary Schools, community centres and other local organizations.* Providing active and engaging opportunities for students to organize, implement and analyze initiatives will allow them to see the value of volunteerism and leadership in both schools and community. In addition, students will also have the opportunity to organize and participate in a number of extra-curricular activities, events, and guest speakers. A supplemental fee will be charged to cover the cost of extra-curricular field trips and guest instructors.

LEADERSHIP PE 12 CO-ED (YHRA-2A)

PHE Leadership 12 is a senior elective course with a *focus on developing student's knowledge and skills in leadership through the exploration of various leadership styles, concepts and theories.* Becoming active leaders will enable students to live a productive and satisfying quality of life in society. Students will have the opportunity to develop their own personal leadership styles while gaining valuable insight in leadership positions that focus on recreational activity, event management, and student lead initiatives. *Leadership opportunities will be made available through the school programs such as Intramurals, JO Athletic Tournaments, and other programs and initiatives that incorporate the greater JO community—feeder Elementary Schools, community centres and other local organizations.* Providing active and engaging opportunities for students to organize, implement and analyze initiatives will allow them to see the value of volunteerism and leadership in both schools and community. In addition, students will also have the opportunity to organize and participate in a number of extra-curricular activities, events, and guest speakers. A supplemental fee will be charged to cover the cost of extra-curricular field trips and guest instructors.

SCIENCE

TRANSITIONAL SCIENCE

This course is designed for ESL/ELC students. The curriculum is based on that of regular science courses, but emphasizes science skills and vocabulary building, as well as language acquisition.

SCIENCE 9 (MSC--09)

In this laboratory-centered and science literacy focused course, students will engage in a variety of fascinating science topics as they strengthen science inquiry skills, and learn to use lab equipment. Students will continue to develop the core competencies of critical thinking, communication, and personal and social responsibility.

Major subject areas include lab safety, processes of science (scientific method and literacy), life science (cells, the movement of matter and energy through ecosystems), physical sciences (atoms and their electrons, electricity as the flow of electrons). A \$10 deposit is required for the use of the BC Science 9 Workbook.

SCIENCE 10 (MSC--10)

In Science 10, the student will gain an understanding of various topics in Biology (biomes and energy flow, nutrient cycles, and changes in ecosystems), Chemistry (atomic theory and bonding, chemical formulas, compounds, and reactions), Physics (radioactivity and nuclear energy, motion and acceleration), and Earth Science (climate change and plate tectonics). This course includes the continued development of the core competencies of critical thinking, communication, and personal and social responsibility. A \$10 deposit is required for the use of the BC Science 10 Workbook.

BIOLOGY 11 (MBI--11)

Biology 11 is an introduction to the fascinating and challenging Science of Life. The course is a combination of labs, group work, as well as independent learning and focuses on the fundamental concepts of Biology. The course emphasizes the continued development of the core competencies of critical thinking, communication, and personal and social responsibility. Topics covered are: Adaptation and Evolution, Microbiology, Plant Biology, Animal Biology, and Ecology. Regular studying and review of concepts is required in order to fully enhance the learning and enjoyment of the extensive course content.

BIOLOGY 11 ONE SEMESTER OFFERING (MB--11SEM)

This course covers the same subject area as, Biology 11, but is designed to be completed in one semester (5 months). With daily classes (no Day 1/Day 2 rotation), the subject matter can be approached in a more intense, continuous manner, which is helpful for those wishing to engage in the material more fully as well as those who will find it helpful to cover the subject every school day. Commitment to regular daily study is required in order to enhance learning in this academically demanding course offered in the semester schedule format.

The course is laboratory-centered and focuses on the fundamental concepts of Biology. The course emphasizes the continued development of the core competencies of critical thinking, communication, and personal and social responsibility. Topics covered are: Adaptation and Evolution, Microbiology, Plant Biology, Animal Biology, and Ecology. Regular studying and review of concepts is required in order to fully enhance the learning and enjoyment of the extensive course content.

BIOLOGY 11 HONOURS (MB--11NR)

This course is intended for students who wish to examine biology in greater depth. In addition, topics beyond the Biology 11 curriculum will be explored (including a preview of Biology 12). There is a large laboratory component to this course. Regular studying and review of concepts is required in order to fully enhance the learning and enjoyment of the extensive course content.

CHEMISTRY 11 (MCH--11)

Recommended: Foundations of Mathematics and PreCalculus 10; Minimum 60% in Science 10.

In this laboratory/calculation-based course, students will learn to calculate and measure the amounts of materials used and produced in chemical reactions. In addition, students will expand upon their knowledge about atomic structure and bonding and will be introduced to solution chemistry and organic chemistry. The course emphasizes the continued development of the core competencies of critical thinking, communication, and personal and social responsibility. Mathematics is used extensively in Chemistry 11 and students lacking a strong foundation in Mathematics must be prepared to work hard and obtain extra help. A \$25 deposit is required for use of the Chemistry 11 workbook.

PHYSICS 11 (MPH--11)

Recommended: Foundations of Mathematics and PreCalculus 10; Minimum 60% in Science 10.

Topics studied in this introductory course include velocity, acceleration and force measurement, momentum and energy, behaviour of light (waves/optics) and basic nuclear physics. Students actually produce useful equations and laws by analyzing accurate experimental data. Analysis and explanation of concepts is emphasized - memorization is minimal. Many equations are produced from slope/intercept analysis of graphs. Those with Math averages less than a C+ should contact the Physics teacher before registering. The course emphasizes the continued development of the core competencies of critical thinking, communication, and personal and social responsibility. A \$25 deposit is required for the use of the Physics 11 workbook.

SCIENCE AND TECHNOLOGY 11 (MSCT-11)

This course allows students to explore the relationships between science and technology, as well as gain an understanding of the related social and environmental considerations. Course content varies and will include several of the following subject areas: Agriculture, Applied Chemistry, Forensics, Health, Natural Resources and the Environment, Computers and Communication, Home and Technology, Personal Technologies, Space Exploration and Transportation. The course emphasizes the continued development of the core competencies of critical thinking, communication, and personal and social responsibility.

BIOLOGY 12 (MBI--12)

Recommended: Prior completion of Biology 11 and/or 75% in Science 10

Biology 12 is a senior science course that provides the student an opportunity to learn in depth about cell and human biology. The fetal pig dissection highlights the laboratory portion of the course. The course emphasizes the continued development of the core competencies of critical thinking, communication, and personal and social responsibility. Topics include: Cell Biology, Digestion, Circulation, Respiration, Nervous system, Excretion, and Reproduction. Regular studying and review of concepts is required in order to fully enhance the learning and enjoyment the extensive course content.

BIOLOGY 12 ONE SEMESTER OFFERING (MBI--11SEM)

Recommended: Prior completion of Biology 11 and/or 75% in Science 10

This course covers the same subject area as, Biology 12, but is designed to be completed in one semester (5 months). With daily classes (no Day 1/Day 2 rotation), the subject matter can be approached in a more intense, continuous manner, which is helpful for those wishing to engage in the material more fully as well as for those who will find it helpful to cover the subject every school day. Commitment to regular daily study is required in order to enhance learning in this academically demanding course offered in the semester schedule format.

Biology 12 is a senior science course that provides the student an opportunity to learn in depth about cell and human biology. The fetal pig dissection highlights the laboratory portion of the course. The course emphasizes the continued development of the core competencies of critical thinking, communication, and personal and social responsibility. Topics include: Cell Biology, Digestion, Circulation, Respiration, Nervous system, Excretion, and Reproduction.

BIOLOGY 12 ADVANCED PLACEMENT (ABIO--12)

This advanced placement course offers students an enhanced Biology 12 curriculum that examines topics in depth and offers detailed laboratory exercises. The major topics include Molecules and Cells, Genetics and Evolution, Organisms and Populations, and the Human Body.

Students are expected to demonstrate an aptitude for the application of knowledge in the field of study. In May, students will write the AP exam; successful performance may result in credit for the first-year university biology course or placement in an advanced university course.

Applicable fees are required in order to write the AP exam.

CHEMISTRY 12 (MCH--12)

Recommended: Minimum 60% in both Chemistry 11 and PreCalculus 11

This challenging course examines five topics in detail: Reaction Kinetics, Dynamic Equilibrium, Solubility Equilibria, Acids, Bases and Salts, and Electrochemistry.

The course emphasizes the continued development of the core competencies of critical thinking, communication, and personal and social responsibility. Students will utilize the skills acquired in Chemistry 11 and in previous Math courses to solve a variety of problems during class and laboratory sessions. A strong foundation in Mathematics and Science and a personal commitment to hard work are required to succeed in Chemistry 12. A \$25 deposit is required for use of the Chemistry 12 workbook.

PHYSICS 12 (MPH--12)

Recommended: Minimum 60% in both Physics 11 and PreCalculus 11

Most topics covered in Physics 11 are re-analyzed in more depth and detail (e.g. vector analysis is used for all non-scalar topics). The course emphasizes the continued development of the core competencies of critical thinking, communication, and personal and social responsibility. Topics include: Vector Kinematics in Two Dimensions, Dynamics, Work, Energy, and Power, Momentum, Equilibrium, Circular Motion, Gravitation, Electrostatics, Electric Circuits, and Electromagnetism.

Frequent reference must be made to an organized set of Physics 11 notes. The breadth of content in Physics 12 requires a fast pace in class and home work. Students should be prepared to add to and improve study skills learned in completing Physics 11 successfully. A \$25 deposit is required for use of the Physics 12 workbook.

SOCIAL STUDIES

Students in grade 9, 10 & 11 are required to have a Social Studies 9, 10 & 11 as part of their course programming. Below are the course descriptions, along with the one junior elective offered by the Social Studies Department.

SOCIAL STUDIES 9 - REQUIRED (MSS--09)

Social Studies 9 includes Canadian and North American history from the 1700s to Canadian Confederation, with an emphasis on the exploration, settlement and economic development of trade in North America, an early history of Canada to the 19th century, and Canadian economic geography including ties with the Pacific Region and Asia. In addition, Grade 9 geography includes the physical and political geography of Canada and North America, and advances students' skills in various areas of Geography such as mapping and location skills, and concepts including glaciation, volcanism, and climate. Key ideas include nation building, economics, relations between European settlers and the First Peoples, and resource use.

LEADERSHIP 10 – ELECTIVE (YHRA-OA)

Open to all students in grade 9 or 10 upon counsellor/teacher referral and required for all JO Mini School students entering their grade 9 year. This course is designed for students seeking meaningful involvement and engagement in their school and community at large. Students will be given opportunities to take on roles of responsibility and to apply principles, theories and strategies covered in class, with the goal of empowering students to engage their peers and demonstrate positive and responsible citizenship in creating a positive impact on their surroundings. Students will be involved in the planning and organization of various school and community events, with service and volunteerism a vital course requirement. A significant portion of assessment will be based on students' practical work and documentation in a portfolio format.

SOCIAL STUDIES 10 – REQUIRED (MSS--10)

Social Studies 10 looks at contemporary Canada in the 20th Century and beyond. Its three major units include: Canadian Government, History of Contemporary Canada, and Geography

in a Canadian context. Canadian Government includes the political, electoral, and legal systems of Canada, First Nations and self-government, the Canadian Constitution and the Charter of Rights and Freedoms, as well as human rights. History of Contemporary Canada looks at the evolution and issues of Canada domestically as well as internationally as the country creates its identity in the 20th Century and continues to evolve today. The Geography Unit examines issues in population, living standards, economic development, globalization and global environmental issues and Canada's role in these. Key concepts include the idea of a national identity, political autonomy, international relations and international conflict vs. cooperation.

SOCIAL STUDIES 11 – REQUIRED (MSS--11)

For 2017-18, Social Studies 11 will be broken down into 6 units surveying the senior social studies elective courses in the proposed new BC Curriculum not covered in the existing senior course offerings noted above. The six units and their descriptions:

Philosophy - Topics to be covered may include methods of reasoning and argument; metaphysical theories about the nature of reality and ontological theories of being; theories about knowledge and truth; theories of justice, freedom, morality and ethics.

Comparative World Religions – Topics to be covered may include characteristics of religion, mythology, and spirituality; core beliefs, practices, and ethics of world religions, including spirituality in First Peoples cultures; approaches to doctrines or belief systems; institutional and social structures; sacred texts, traditions, and narratives; art, architecture, narratives, and other forms of expression; relationship between religion and government.

Political Science – Topics to be covered may include the structure and function of Canadian and First Peoples political institutions; major ideologies, political systems, election processes and electoral systems; role of mass media in democratic societies; power relationships between citizens, government, and other bodies in the creation of public policy; issues in local, regional, national politics in Canada; issues in global politics, such as security, conflict management, development, and sustainability.

Economics – Topics to be covered may include economic theories of value, growth, and

distribution; classical economic thought on money, banking, and policy; Marxist economics and neoclassical economics and the role of markets; Keynesian theory of money, investment, cycles and neoclassical synthesis and contemporary economic thought.

BC First Peoples & Contemporary Indigenous Studies – Topics to be covered may include oral histories, traditional territories and relationships with the land of the BC First Nations; impact of historical exchanges of ideas, practices, and materials among local BC First Peoples and with nonindigenous peoples; governmental policies and practices that have affected, and continue to affect, BC First Peoples; responses to colonialism; role and significance of media in challenging and supporting the continuity of culture, language, and self-determination of BC First Peoples; commonalities and differences between traditional and contemporary BC First Peoples governance systems; contemporary challenges facing BC First Peoples, the varied identities and worldviews of Canada's indigenous peoples, and the importance of the interconnection of family, relationships, language, culture, and the land; factors that sustain and challenge the identities and worldviews of indigenous peoples; the resilience and survival of indigenous peoples in the face of colonialism; community development, partnerships, and control of economic opportunities; responses to inequities in the relationships of indigenous peoples with governments in Canada and around the world; restoring balance through truth, healing, and reconciliation in Canada and around the world.

PSYCHOLOGY 11 (YPSYC1A)

Psychology 11 is a locally developed course and is designed to introduce students to the scientific study of the behaviour and mental processes of human beings. Students will come away with increased respect and understanding of their own behaviour and that of others. Using interactive and engaging experiments, students will examine, study and come to understand various aspects of this field. Emphasis is placed on understanding personality characteristics, researching behaviour, brain functioning, as well as critical thought on stigmas and stereotypes in the area of psychological disorders. Topics may include personality development, psychological disorders, the concept and processes of learning, social psychology and perception. Students will learn to critically think about human behaviour and communicate their ideas about the many complexities of that behaviour.

The senior elective courses below are offered through the Social Studies Department; they involve a diverse approach designed to emphasize the [Core Competencies outlined in the BC Curriculum](#) and place an emphasis on acquiring and developing key thinking skills built around six major historical and geographical thinking concepts: significance, evidence, continuity and change, cause and consequence, perspective, and ethical judgment. While the Social Studies curriculum focuses on topics from the disciplines of history, geography, political science, and economics, Social Studies electives may also connect areas across the humanities and social sciences, such as archeology, philosophy, and anthropology.

GEOGRAPHY 12 (MGEO-12)

Topics to be covered may include features, processes and effects on human and natural systems of: plate tectonics, gradation, and natural disasters; climate, weather, and interactions between humans and the atmosphere; characteristics of global biomes, including climate, soil, and vegetation; natural resources and sustainability; demographic patterns of growth, decline, and movement; relationships between cultural traits, the use of physical space, and impacts on the environment, including First Peoples cultures; global agricultural practices; industrialization, trade, and natural resource demands; increased urbanization and influences on societies and environments; relationships between natural resources and patterns of population settlement and economic development; political organization of geographic regions; urbanization as a global phenomenon; historic settlement patterns in urban centres; local and regional governance in BC and relationships with other levels of government; functions of local and regional government; urban planning and urban design; decision making in the planning of cities and regions; and contemporary issues in Urban Studies. Incorporates proposed new BC Curriculum courses of Human Geography 11, Physical Geography 12 and Urban Studies 12.

HISTORY 12 (MHI--12)

Topics to be covered may include the rise and rule of authoritarian regimes; civil wars; independence movements and revolutions; human rights movements, including those of indigenous peoples; religious, ethnic, and/or cultural conflicts, including genocide; global conflicts, including World War I, World War II, and Cold War; human migrations, movements, and territorial boundaries; interdependence and international cooperation; social and cultural developments; mass consumption and production of communication and transportation technologies. For 2017-18, may also incorporate parts of the proposed new BC Curriculum Courses of Asian Studies 11 and Comparative Cultures 11.

LAW 12 (MLAW-12)

Law 12 is a general overview course designed to assist students to:

- a) Understand legal rights, their limitations, and obligations
- b) Provide a useful background of legal knowledge
- c) Gain an appreciation of the legal system in safeguarding civil rights, preserving order and facilitating social reform.

The Criminal Justice system is a major topic of study; Private Law, personal wrongs, contract law and family law will also be topics of study. Law 12 though not a prerequisite, provides a background for those interested in a career relating to the Justice System.

SOCIAL JUSTICE 12 (MSJ--12)

Topics to be covered may include various theoretical frameworks, interpretations, and concepts of social justice; connections between self-identity and relationship to others in society; past and present social injustices in Canada and in the world, their causes and impact on individuals, groups, and society; roles of governmental and nongovernmental organizations in issues of social justice and injustice; processes, methods, and approaches used to promote social justice. Beginning 2017-18, will also include elements of the proposed new BC Curriculum Course Genocide 12 which looks at origins, development and conditions of the term "genocide"; mass violence and atrocities in different global regions; strategies and technology used to commit genocide; recognition of and responses to genocides; movements that deny the existence of or minimize the scope of genocides; evidence used to determine genocides; international law and enforcement.

STUDENT SERVICES

HEALTH AND CAREER EDUCATION 9

Prerequisite: None

This required course is integrated into all subjects with a portion delivered directly by the grade counsellor.

PLANNING 10 (MPLAN10)

Required course for all grade 10 students.

This course is designed to help students plan for the final two years of their graduation program and for the successful transition from secondary school to their adult lives.

Content of this course includes research on the following topics:

1. The 2004 Graduation Program and the Graduation Portfolio
2. Post-secondary education and careers
3. Health
4. Fitness

Successful completion of this course is a requirement for graduation under the new 2004 Graduation Program.

COMMUNITY SERVICE 11 (YCPM-1D)

Prerequisite: Acceptance by a teacher/department

Successful completion of Grade 11, regular attendance and demonstrated responsibility are necessary. Students provide assistance in the Library, Career Centre, Counselling Centre, Office, and to individual teachers.

PEER TUTORING 12 (YIPS-2B)

Prerequisite: Acceptance by application

This course is for students who get satisfaction from helping others achieve their potential and for students who are interested in pursuing careers that involve working with people. Peer Tutors attend training sessions and workshops aimed at providing the skills and background necessary to be successful in their classroom placement.

The Peer Tutoring program objectives are:

1. To provide tutoring under the supervision of the Skills Teacher on a one-to-one or small group basis to students having difficulties with their studies.

2. To develop leadership skills and ability to assume responsibility.
3. To develop interpersonal and communication skills.
4. To study different learning styles and behaviours and to apply this learning to become effective tutors.
5. To provide tutoring support in the learning commons.

Requirements to be a Peer Tutor:

- a) Satisfactory academic achievement.
- b) Good citizenship and role model.
- c) Good attendance record.
- d) A desire to help others achieve.

Course may be offered off-timetable (lunch and after school sessions).

PEER COUNSELLING (YIPS-2C)

Peer counsellors are trained to help other students, usually junior students. Consider applying if you are responsible, self-motivated, caring, interested in helping people and willing to try new experiences. Peer Counsellors are interested in serving other students, wish to improve their communication skills, and understand the importance of their position as role models. The required training sessions are held off timetable. Students also need to be available at other times outside of school time to meet with students and attend events. All peer counsellors will participate in the Grade 8 orientation on the first day of school. Peer Counsellors are chosen through an application process. An interview may be required. See Ms. Alvares or your counsellor for an application form.

SKILLS CENTRE

Prerequisite: Teacher and/or Counsellor Recommendation

This course is for students who need assistance to be successful in their studies. Students will receive instruction aimed at identifying specific learning and organizational strategies to support their work in their other classes. Specific areas of skill development will include reading and listening skills, note-taking, test-taking strategies and time management. Tutorial support in the content areas of English, Social Studies, Science and Mathematics will allow students to apply these strategies. Grade 11 and 12 students should select the Learning Strategies 11 and 12 courses for 4.0 credits (YLE11 and YLE12).

TECHNICAL STUDIES

SKILLS EXPLORATION 11 (MSTX-1A)

Skills Exploration 11 is an engaging program in which students use hands-on learning to acquire skills and knowledge in Carpentry, Electrical, and Plumbing. Projects will be practical and will involve making, creating, and problem-solving. Students who are hands-on learners and who are open to the idea of furthering their understanding of trades should take this course. Skills Exploration will give students a better understanding of what's involved in these specific trades. If the idea of applying for an ACE IT program for your grade 12 year is on your radar, then this course is definitely for you. Prepare to be inspired, get excited, and learn with like-minded students.

DRAFTING

TECHNOLOGY EDUCATION 10: DRAFTING (MTED-10)

Drafting 10 course content will provide the student with an opportunity to explore the fundamentals of computer drafting using the AutoCAD 2010 drafting/design program. Students will create the following types of drawings: Single and two-view development, orthographic projections and a basic landscape park plan. The course will allow students with a snapshot of potential course offerings in grade eleven and twelve. Students with an interest in design, architecture and engineering should strongly consider this course.

DRAFTING & DESIGN 11 (MDD--11)

This course in drafting is entirely computer based. The program covers pictorials, isometrics, orthographic projections, section views, auxiliary views and working drawings. 3D modelling and rendering are introduced using AutoCAD 2010 design software. This course would be invaluable to students considering engineering programs, architecture or building design and traditional trades at post-secondary institutions.

DRAFTING & DESIGN 12 (MDD--12)

This course offers advanced drafting studies in mechanical drafting. Students use advanced solid modelling techniques. Solid models are converted to 2D orthographic projections. As Computer Numerical Controlled machining requires solid models. Solid modelling is the wave of the future for mechanical drafting. All parts manufacturing from automobiles to vacuum cleaners are made from solid model drawings. AutoCAD 2010 & Inventor drafting/design software are the computer programs that will be used for the course.

DRAFTING & DESIGN 12 (Architecture &

This course provides the opportunity for students to explore the world of Architecture using AutoCAD 2010 Architecture drafting/design software. To accomplish the objectives of the course, students will design a 3000 sq. ft. house on two floors and make a complete set of working drawings. Students will become familiar with City of Vancouver & BC Building Codes.

ELECTRONICS

ELECTRONICS 10 (MTEE-10)

This is a basic electronics course designed for people who have had little or no electronics. The areas covered are safety, semiconductors, discrete components and integrated circuits. A certain amount of theory will be given such as Ohm's law. Projects such as board games, strobe lights, sirens, etc. are built. It is highly recommended that students take this course before taking electronics 11. A small supplemental fee will be charged.

ELECTRONICS 11 (MEL--11)

The topics covered will be safety, series and parallel circuits, bread boarding, resistor colour codes, capacitor identification, electronic symbols, drawing conventions, semiconductors and integrated circuits. A certain amount of theory will be given on the items just mentioned. Students will also have the opportunity to design circuits on the computer. The projects built in the course will vary, e.g. burglar alarm, power supply, logic probe, continuity tester, tree etc. Students may be allowed to build grade 12 projects depending on their ability and knowledge. It is highly recommended that students take electronics 10 before entering electronics 11. A supplemental fee will be charged.

ELECTRONICS 12 (MEL--12)

The areas covered will be safety, bread boarding, certain gate functions and simple analog topics. Students will also have the opportunity to design circuits on the computer. The projects that are built in this course will vary, e.g. digital dice, roulette wheel, counters, etc. The students may be allowed to build projects found in the grade 12 analog and digital courses depending upon their ability and knowledge. This course is intended for people who have completed electronics 11. A supplemental fee will be charged.

ELECTRONICS 12 ADVANCED – Analog and Digital Systems: (MELAS12)

This course is intended to be a senior analog and digital course. The topics covered will be AC and sine waves, RC circuits, inductance and transformers, op amps, gate functions and their related circuits. Robotic functions will also be discussed. The students will have the opportunity to work on computer related design. The projects that are built in this course are amplifiers, robots, etc. This course is designed for people who have completed electronics 12. A supplemental fee will be charged.

METALWORKING

Metalwork & Jewelry 10 (MTEM-10)

This is an introductory course for students interested in decorative metal work, jewellery and basic metalwork procedures. Emphasis will be placed on skill acquisition. This course will introduce students to the design and fundamental techniques used in producing a variety of functional or expressive projects, including: constructed jewellery pieces (chains, broaches, pendants and rings), sculptures, and mobiles. Skills mastered include silver soldering, bench work, polishing, and machining. Hand-working skills will be stressed. Students will be required to design their own projects. A small supplemental fee applies to this course.

METAL FABRICATION 11 (MMFM-11)

Metal Fabrication 11 will introduce the basic materials, tools, techniques and terminology used in metal technology. Many processes will be utilized, including: silver and aluminum casting, polishing, welding, brazing, machining and finishing. Projects will include the making of tools, candle holders, belt buckles, cannons, and rings. Students will be required to design their own projects or they may choose to make projects modelled after existing designs. A small supplemental fee applies to this course.

METAL FABRICATION 12 (MMFM-12)

This advanced Metalworking course will encourage students to attempt projects that are practical and challenging. Emphasis is placed on accuracy in the use of all the shop machines and the development of craftsmanship to produce well-finished projects. Processes that can be mastered include welding, machining, casting, art metal, and jewellery. Students will design their own major project, required for course credit. A small supplemental fee applies to this course.

MECHANICS

Engineering 10 (YTEG-10)

This course is designed for the inquisitive student. Materials and processes will be explored. This course will feature a hands on applied science method of learning. Students will build practical solutions to real world challenges. Projects will include bridges, mag-lev, solar energy, rocketry, and robotics. A small supplemental fee applies to this course.

POWER MECHANICS 10 (MTEC-10)

This course has been designed to give students exposure to today's technology. Students will gain an awareness of various transportation and power systems. Machines and tools will be used to build the projects in the course. Students will learn through projects in the following areas:

- Internal combustion engines
- Air rockets
- Scale-model dragster construction
- Catapults
- Magnetic Lev Vehicle
- Wind turbine and electricity generation
- Marshmallow Shooter

AUTO MECHANICS 11 (MAT--11)

Auto Mechanics 11 is an introductory course providing students with a general overview of today's automobile. As a future car owner and driver, this course will teach students the foundations of car maintenance and repair. Students will learn both the theory and practical aspects of the following:

- Automotive tools
- Preventative maintenance
- Cooling and lubrication systems
- Brake
- Stereo and electronic theory
- Engine design
- Steering and suspension

AUTOMOTIVE TECHNOLOGY 12 (MAT--12)

A hands-on course utilizing and expanding on the knowledge gained in Automotive Technology 11. Emphasis will be placed on skills needed to develop competence in quick repairs as undertaken at a professional repair facility. Repairs such as exhaust system replacement, suspension overhaul, ignition system tune-up, and brake system service will be stressed.

AUTOMOTIVE TECHNOLOGY 12

Extensive shop practice.
Automotive Technology 12

This course is as useful to the academic as well as to the trades oriented student. Emphasis is on actual work on card with one-third time spend reviewing tune-up, maintenance work, studying brakes and alignment, transmissions, drive lines, starters and generators as well as some advanced study of emission devices. An extra degree of ability, motivation, and desire to study are necessary to successfully complete this course. Equipment is available to teach the diagnostic analysis of late model North American vehicles with built-in computers.

GRAPHIC ARTS

GRAPHICS 10 (YVPA-OD)

Take pictures using digital cameras, learn how to edit them on the computer and create interesting designs. You will also create your own silk-screened T-shirt, posters and collages and learn what makes some photos better than others. As a final project you can design your own magazine and print it in full colour. This course is a fun beginning to the process of design. We provide the digital cameras, you bring the ideas! An excellent course for students planning on taking Yearbook or Journalism.

GRAPHICS 11 (YVPA-1g)

Expand your graphic design skills. Create CD covers, Magazines or entire Books. Learn how to create your own Silk-screened T-Shirts in multiple colours and walk away wearing your own art! Start with the basics and end up creating highly professional designs. An excellent course for students interested in taking Yearbook Production or Journalism.

WOODWORKING

WOODWORK 10 (MTEW-10)

This is an introductory course for students interested in woodwork. Emphasis will be placed on the safe use of hand and power tools. A variety of appealing projects will be constructed to familiarize and strengthen students' abilities. Examples of projects are folding locker chair, tables and jewelry boxes. A small supplemental fee applies to this course.

CARPENTRY AND JOINERY 11 (MCJ--11)

An introductory woodwork course which stresses good design and craftsmanship in traditional and modern wood fabrication. This course stresses safe operation of hand and machine tools. Examples of student designated and completed projects are computer desks, speaker boxes, poker tables and entertainment centers. Students in grade 10 who have completed Woodwork 10 may take this course with the permission of the instructor. A supplemental fee applies to this course.

CARPENTRY AND JOINERY 12 (MCJ--12)

This course offers practical hands-on training in wood products technology and fabrication. Using a wider range of materials, machines and processes, students will continue to design and build their own projects. Examples of student projects are pool tables, air hockey games and baseball bats. A supplemental fee applies to this course.

CARPENTRY AND JOINERY 12 (Residential Construction) (MCJR-12)

This course offers students the opportunity to learn the basic skills used in house construction. Topics covered include hand and power tools, floor and wall framing, roofing and exterior trim. Afterwards students will be able to select and build a project of their own design. A supplemental fee applies to this course.

STEM **(Science Technology Engineering & Math)**

STEM 9 is for students who are interested in the engineering and/or combining hands on learning with their science and math courses. STEM is an all-day program where students gain credit for science 9, math 9, engineering 10, and power mechanics 10. Projects include but are not limited to: Rockets, CO2 dragsters, Robots, Toothpick bridges, and much more.

STEM 10 (science, technology, engineering and math) is a four-course program (math 10, science 10, electronics 10 and Career Planning 10). Each year is a new cohort and students may or may not have taken STEM 9. Project based learning incorporates the 4 courses into a hands-on-learning approach crossing the 4 discipline areas. Times of the year will be dedicated to writing a good provincial exam. Projects during the year may include robotics, programming, metal and wood fabrication. Students will volunteer or work in their area of interest.

STEM 11/12 is a four course program (Physics 11, Pre-Calculus 11, Robotics 12, Electronics 12, Digital Systems. Each year is a new cohort and students may or may not have taken STEM I a previous year. Project based learning incorporates the 4 courses into a hands-on learning approach crossing all areas.

Robotics 12 (MELR-12) teaches students the engineering and design process using mechanisms, machines and robotic systems. Students will learn the fundamentals of programming to design robots which will perform a set predetermined tasks.

Electronics 12 – Digital Systems (MELDS12)
This course extends students' understanding of computer systems and computer interfacing with external devices. Students will assemble computer systems by installing and configuring appropriate hardware and software, and will learn more about fundamental concepts of electronics, robotics, programming, and networks.

VISUAL AND PERFORMING ARTS

Successful completion of any of the courses in this department may satisfy certain aspects of the graduation portfolio; see counsellor or portfolio teacher for more details.

INSTRUMENTAL MUSIC

BEGINNER BAND 8 – 10 (MMU--08BA1/MMU--09BA1/MMU-10--1)

Ever wanted to learn to play a NEW musical instrument? This course teaches you everything you have to know to play in a band and have fun! You will have the opportunity to choose an instrument that you like and learn to play it. You will also learn to work as a team and make beautiful music. In fact, we will even teach you how to write a song in this class.

Instruments will be provided, including flute, clarinet, saxophone, trumpet, french horn, trombone, tuba and bass.

NO EXPERIENCE/INSTRUMENTS ARE REQUIRED!

INTERMEDIATE BAND 8 – 12 MMU--08BA3 MM--09BA3 MMCB-10--3 MIMCB11--3 MIMCB12--3

So you already know how to read music and play a musical instrument? This course is for students who have had previous experience in band. You will learn to work as a team and make beautiful music. This course will introduce instrumental and performance techniques that will allow students to express themselves more through music.

Intermediate Band members are recommended to also join Jazz Band.

SENIOR BAND 8-12 (MMU--09BA4/MMCB-10--4/MIMCB11--4/MIMCB12--4)

Senior Band 8-12

So you can play music, but you want to challenge yourself? The senior band will receive training to perform at a high level and is for musicians with previous band experience. You will study a variety of music repertoire and perform in events in and out of school. This ensemble will represent John Oliver in competitions and music festivals.

Senior Band members are recommended to also join Jazz Band.

JAZZ BAND 8-12 (off time table) MMJB-10/MIMJB11--2/MIMJB12--2

EVERYONE'S WELCOME! This pep band is about having fun, making the audience dance and creating an exciting atmosphere for all. AS LONG AS YOU CAN READ MUSIC AND CAN PLAY A MUSICAL INSTRUMENT, YOU ARE IN! We rehearse every day before the start of school and perform exciting contemporary music.

DRUMLINE (Jazz band for percussion) 8-12 MMJB-10/MIMJB11/MIMJB12

The one and only drumline in Vancouver schools. This loud, flashy and exciting ensemble will teach you everything you have to know about drumming and performing a highly choreographed show. You will LEARN TO PLAY THE DRUMS and become a musician through this course.

NO EXPERIENCE/INSTRUMENTS ARE REQUIRED!

Drumline members are recommended to also join Jazz Band.

GUITAR 9 - 12 (MMGR-10/MIMG-11/MIMG-12)

Student in guitar class will learn basic techniques that will allow them to enjoy and appreciate the joy of playing the guitar. In this course, students will learn and perform songs of different styles and genres and have the opportunity to compose their own songs.

NO EXPERIENCE REQUIRED!

MUSIC LEADERSHIP 11/12

To be a Music Leadership student you must have a high degree of music technique and knowledge. Music leaders must be comfortable helping students through warm-ups, and sectionals. Students who wish to enrol in this course must have taken at least one senior level music course, and get approval from the music teacher prior to course registration.

CHORAL MUSIC

JUNIOR CHOIR 8-11

MMU--08CC1
MMU--09CC1
MMCC-10
MCMCC11
MCMCC12

Everyone has a voice, and this course WILL TEACH YOU HOW TO USE YOUR VOICE to create beautiful music. As a team, you will receive vocal training that enables you to become a good singer. Students are always singing in a big group, so don't be shy!

NO EXPERIENCE REQUIRED!

ADVANCE CHOIR 10-12

MMCC-10--2
MCMCC11ENR
MCMCC12ENR

If you have 2 OR MORE YEARS or choir experience in and out of school, then you may select to become a part of our advance vocal ensemble where we study repertoires that require mature singers with advance techniques. You will learn a variety of music repertoire and perform in many events in and out of school. This ensemble will represent John Oliver in competitions and music festivals.

THEATRE/DANCE

DRAMA 10: GENERAL (MDRG-10)

This course extends the skills and activities introduced in Drama 8. The emphasis is on the development of acting technique in the areas of mime, voice, movement, improvisation, character development, scene creation, script work, and scene performance. Exercises and activities are aimed at improving student confidence and group skills in a positive, supportive atmosphere. Focus and full participation is required.

JUNIOR THEATRE COMPANY 9 & 10

Prerequisite: None (YVPA-OG)

Junior Theatre Company is a course for committed Drama students who wish to work as part of an ensemble theatre company. In this course students will develop their creative performance and production abilities through rehearsal, directing, performing, and script writing. The course involves public performances, and runs off timetable with rehearsals taking place afterschool. Junior Theatre Company students are highly encouraged to take Drama 10 to further develop acting technique.

DRAMA LEADERSHIP 11/12

Prerequisite: Permission of instructor is required.

To be a Drama Leadership student you must have a high degree of technique in the form of Voice & bodywork, a performance history. Drama leaders must be comfortable helping students and/or leading drama classes through warm-ups, and short activities. Students who wish to enroll in this course must have taken at least one senior level drama class at John Oliver, and must also get approval from the drama teacher prior to course registration.

SENIOR THEATRE COMPANY 11 & 12 (YVPA-1Q/YVPA-2M)

Prerequisite: None

Do you want an intense and enriched experience in Drama at John Oliver? Do you love to be on the stage? This performance-oriented course is for experienced Drama students who wish to develop their acting, directing, producing, and scriptwriting skills in a very supportive group of similarly committed students. This course is only for highly motivated and committed theatre students.

Students will perform numerous times throughout the year, but the main focus of the course will be the spring production. After school rehearsals for evening and daytime performances are an essential part of this course. Senior Theatre Company students are highly encouraged to take Acting 11/12 and/or Directing 11/12 to further develop acting technique.

THEATRE PERFORMANCE 11: ACTING (MTPA-11)

Acting 11 is an enriched program for motivated theatre students. Through the rehearsal and performance of movement scenes, vocal work, play building, monologues and one act plays, students will develop technique and build confidence on stage. Students may be asked to stay after school for rehearsals when the need arises and are expected to audition for Theatre Company plays. Only for focused, mature, and serious students with excellent attendance.

THEATRE PERFORMANCE 12: ACTING (MTPA-12)

Acting 12 is an enriched program for motivated theatre students. The course extends the work developed in Acting 11, with students expected to take a leadership role in class activities. Through the rehearsal and performance of movement scenes, vocal work, play building, monologues and one act plays, students will develop technique and build confidence on stage. Students are expected to audition for Theatre Company plays. Only for focused, mature, and serious students with excellent attendance.

THEATRE PRODUCTION 11/12: TECHNICAL THEATRE (MTPRT12)

Are you curious as to what goes on behind the scenes of a theatrical production? Interested in being part of the creative process without standing centre stage? This course introduces students to the various roles and responsibilities that are integral to the success of a live theatrical production. Areas covered include safety, stage management, script analysis, set design and decoration, lighting and sound design, costuming, make-up and properties. Students must be mature, responsible and capable of working independently. You will be expected to work at school assemblies, events and as part of the technical crew for the Theatre Company production.

THEATRE PERFORMANCE 11/12: DIRECTING & SCRIPTWRITING (MTPDS11/MTPDS12)

Learn the fundamentals of writing and directing through play building, the creation of monologues, scenes and one act plays. Students in this course will work with senior acting and theatre production students to write, create, rehearse and produce performance material. This is an excellent opportunity for students to develop leadership skills while exploring the vast parameters of theatre production. Students must be self-motivated, self-directed, and capable of detailed planning and organization with a flair for creative writing.

VISUAL ARTS

VISUAL ARTS 10: GENERAL (MVAG-10)

Visual Arts 9/10 is for students wishing to continue learning through a variety of visual expression areas, such as drawing and painting, clay work, sculpture, mixed media, and printmaking in order to develop their creativity, problem-solving skills, and self-expression. Focus will be on development of personal imagery, portfolio production, and one's individual approach to a finished product. Historical art movements and contemporary issues will be presented. A sketchbook is required.

STUDIO ARTS 10: DRAWING AND PAINTING (MVAD-10)

This course is designed to allow students to begin to specialize in two-dimensional problems in the visual expression areas of drawing and painting. Historical and contemporary aspects of painting and design will be considered. Students are encouraged to use a variety of materials and media for their projects and may produce an acrylic painting on canvas. Personal imagery is encouraged in all the projects.

ART FOUNDATIONS 11 (MAF--11)

This course is for new and experienced art students. This course may include drawing, painting, sculpture (clay), printmaking, and mixed media. Students are encouraged to experiment with a variety of media and techniques. Projects will involve different materials, such as: pencil, pen/ink, charcoal, pastel, tempera and acrylic paints, printing inks, clay, and different mixed media, which may involve recycled paper making. A sketchbook is required as a visual journal.

ART FOUNDATIONS 12 (MAF--12)

This course is designed for students who wish to continue art studies of a general nature. Students may experiment in several media and methods in five major areas of art, drawing, painting, sculpture (clay), graphic arts (print making), and mixed media (combining different media). Skills will continue to be developed in these major areas to further increase personal imagery, vocabulary, art history, and reasoned criticism. Assignments will be given on a class basis, but personal interpretations are expected. A sketchbook is required to develop personal ideas.

ART LEADERSHIP 11/12

Prerequisite: Permission of instructor is required.

To be an Art Leadership student you must have a high degree of visual arts technique in the form of drawing, painting, mixed media or sculpture. Students who wish to enroll in this course must have taken at least one senior level visual arts class, and must also get approval from the Art teacher prior to course registration.

STUDIO ARTS 11: SCULPTURE (MSACS11)

In this course students will continue to develop their skills using various sculpture materials, such as metals, wires, woods, canvas, and ceramic tiles. Technical skills will be developed and students will be expected to research and consider sculpture tradition and design in three-dimensional art forms. Students will show their evolving artistic styles through a sketchbook diary.

STUDIO ARTS 12: SCULPTURE (MSACS12)

At this level, students will be expected to work independently and proficiently in various sculpture materials to create sculptural art forms. Students will be expected to keep a diary of ideas in their sketchbooks. The sketchbook is mandatory and will be part of their final mark. Also students will be expected to display their art works either as a group or individually throughout the school. The emphasis in this course is on problem solving and imaginative and experimental responses to proposed projects.

STUDIO ARTS 11: DRAWING AND PAINTING 11 (MSADP11)

The drawing and painting course is designed for those students who wish to continue specializing in the drawing and painting expression areas. Assignments will be in water colour, acrylic, tempera, conte, crayon, charcoal, felt pen, ink, oil pastels, and more. Students may produce an acrylic painting on canvas. Through their artwork, students will develop critical judgments concerning their own art and the art of others. Historical and contemporary aspects of drawing and painting, via film, art text, slides, field trips, etc, will be considered and researched. Students are to maintain a sketchbook to develop personal imagery.

STUDIO ARTS 12: DRAWING AND PAINTING 12 (MSADP12)

Students will further explore techniques and media in relation to two-dimensional problems as found in Drawing and Painting 11. Students will build on previous art and cultural experiences to help develop a personal style and approach to imagery. Students will produce at least one acrylic painting on canvas. For the more serious art student who has taken a number of previous art courses, more independent projects and study is encouraged. A hard covered art book to develop personal imagery is required.



Vancouver School Board

Adult Education

The Vancouver Board of Education operates six adult centres throughout Vancouver; some centres also provide outreach programs at offsite locations.

Our centres provide students* with a wide array of flexible and student-centred learning opportunities that range from the basic literacy level (Ministry Foundations courses, Levels 1-6) to high school completion.

The Foundations courses help students develop or strengthen specific core skills needed to successfully complete Grade 10/11/12 courses and obtain a high school diploma. All courses, both Foundations and Grade 10/11/12, follow prescribed Ministry curriculum.

To meet student needs for flexible programming, centres offer courses from early morning to evening and operate year-round with a variety of schedules:

- Semester (2 terms per year; beginning Sept. and Feb.)
- Quarter system (9 week terms; beginning Sept., Nov., Feb., Apr.)
- Summer term (abbreviated)

Depending on student needs, each Centre provides a variety of course formats which include:

- Self-paced courses (blended web-based instruction with face-to-face assistance; paper-based instruction with face-to-face assistance) from Foundations to Grade 10-12 courses
- Structured courses at the Foundations & Grade 10/11/12 levels

Students at our centres reflect the diversity of language and cultural backgrounds in Vancouver and range in age from 16* to seniors. Each of the Centres responds to the specific needs of its community and program offerings reflect student course requests and enrollment patterns.

*Please note that students attending adult centres must be 16 years old (on July 1 of the current school year) and follow MOE course concurrency rules to be eligible for Ministry funding.

Adult Education Centres in Vancouver

Downtown East Education Centre Tel: 604-713-5760 Fax: 604-713-5761 http://go.vsb.bc.ca/schools/adulted	Gathering Place Education Centre Tel:(604) 257-3849 Fax:(604) 257-3851 http://go.vsb.bc.ca/schools/adulted
Hastings Education Centre Tel: (604) 713-5735 Fax: (604) 713-5737 http://go.vsb.bc.ca/schools/adulted	Main Street Education Centre Tel: (604) 713-5731 Fax: (604) 713-4473 http://go.vsb.bc.ca/schools/adulted
Roberts Education Centre Tel: (604) 713-5752 Fax: (604) 713-5754 http://go.vsb.bc.ca/schools/adulted	South Hill Education Centre Tel: (604) 713-5770 Fax: (604) 713-5769 http://go.vsb.bc.ca/schools/adulted



The Vancouver Learning Network is designed to provide opportunities for students to complete secondary school courses in a flexible manner. The program provides a comprehensive selection of quality secondary courses that are delivered largely through asynchronous and self-paced approaches. These courses may replace those in the student's local school, be in addition to their school program, or be a program of full-time studies at VLN.

Course Offerings at the Vancouver Learning Network (VLN)

VLN offers a full program of courses from Grade 8-12. Courses of particular interest to students may be those which the home school cannot offer or timetable:

- Japanese
- Korean
- Social Justice
- Writing
- Literature
- Civics
- Entrepreneurship
- Science Fair
- BC First Nations

A unique course across all subject areas is Independent Directed Studies, a course which allows students to pursue a topic of interest under the mentorship of a teacher and other experts.

Frequently Asked Questions

1. When can I register?

VLN is a 12 month school, with a Fall/Winter session and a Spring/Summer session. Registration can be done throughout the year.

2. Do VLN courses count for graduation and university entrance?

Yes, all courses are accredited by the Ministry of Education, accepted by colleges and universities and are taught by Vancouver teachers.

3. What does it cost?

Courses are tuition-free for all students (except International). Occasionally, students will be required to pay book deposits. These deposits are refundable.

4. How long do I have to finish a course?

Students start and finish at all times of the year. The timeline for completion is determined by student needs. For example, if a student intends to graduate in June, he/she must be finished all coursework and exams in June.

For more information and a complete course list, please visit the VLN website at <http://vln.vsb.bc.ca>