

Matthew McNair

Secondary School



Program Planning Guide
2026 - 2027

Introduction

Welcome to McNair Secondary School! Whether you are a beginning Grade 8 student or nearing graduation, this booklet is intended to help you make the best possible

Choices for Learning at Matthew McNair Secondary

While some courses are required for graduation, many others can be selected to meet your individual interests and goals. As you move into the latter years of your secondary schooling and your goals are clearer, these choices become even more important. We encourage you to experience a range of electives to support your development as a well-rounded graduate.

Once you have made your selections, we will design an individual timetable for you. Sometimes this timetable may not be exactly the way you expected it to be because of class size limits or graduation requirements. For this reason you should think carefully about the alternate course choices you list; it is quite possible you may end up taking one or more of these courses.

You should also be aware that our timetable is driven by student requests. For any particular course to run, there is a minimum number of students required. What this means is that all courses listed in this book may not be offered each year or every semester. Sometimes, due to staffing or other changes, there may be some modifications of course offerings and descriptions without prior notice.

Students entering Grade 8 and 9 are completing the Intermediate Program, while students in Grade 10-12 are in the Graduation Program. Students in the Graduation Program need to successfully complete a minimum eighty (80) credits (20 courses) for graduation including Career Life Connections and a Capstone Project. Specific course requirements are listed on Page 3.

Further, it is expected that senior students discuss plans with their counsellor and consult with the career advisor, post-secondary calendars, and websites such as www.educationplanner.ca to ensure that prerequisites are met for programs that you are interested in. McNair's course selection process provides an excellent opportunity for personal growth and for exercising decision-making skills. We look forward to helping you make the best-informed decision possible.

Above all, this booklet is a tool for you to take the first steps towards making next year an enjoyable and productive experience. Discuss your options with your family and friends, think about your personal goals and interests and **make the best possible choices for your learning** - your future belongs to you!



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Intermediate and Graduation Programs

INTERMEDIATE PROGRAM

Students will be enrolled in eight (8) required courses each year.

GRADE 8

- English Language Arts 8
- Social Studies 8
- Mathematics 8
- Science 8
- Physical & Health Education 8
- French 8
- Grade 8 Electives Wheel:
 - Combination of Art, Drama, Music, Home Economics, Business Education, and Technology Education
- Band 8 (optional)

GRADE 9

- English Language Arts 9
- Social Studies 9
- Mathematics 9
- Science 9
- Physical & Health Education 9
- An Applied Design, Skills, and Technology Elective 9
- A Fine Arts Elective 9
- One Additional Elective (often a second language)

GRADUATION PROGRAM

GRADES 10-12

Eighty (80) credits in Grades 10-12 (equivalent to 20 four-credit courses) are required for graduation.

Required Courses:

English 10, English 10 Enriched, or English First Peoples 10	4 credits
English 11 or English 11 Honours	4 credits
English Studies 12 or English First Peoples 12	4 credits
Social Studies 10	4 credits
a Social Studies 11 or 12	4 credits
Science 10	4 credits
a Science 11 or 12	4 credits
a Mathematics 10	4 credits
a Mathematics 11 or 12	4 credits
Physical & Health Education 10	4 credits
a Fine Arts or Applied Design, Skills, and Technology 10, 11, or 12	4 credits
Career Life Education	4 credits
Total	48 credits
Career Life Connections 12 (CLCA 12)	2 credits
Capstone Project 12 (CLCB 12)	2 credits
Elective Courses	28 credits

Minimum of 16 credits at the Grade 12 level including English 12.

Minimum of 4 credits of Indigenous-Focused Coursework (Eng FP 10, Eng FP 12, or BC First Peoples 12)

****Minimum number of credits required to graduate: 80 credits total**

CLC / Capstone is a graduation requirement that will be delivered in an online format throughout the Grade 12 year. (See Career Education p.26 for more information.)

General Information

WEBSITE

See McNair's website for more general information.

<https://mcnair.sd38.bc.ca/>

Follow us on Instagram : mcnair_marlins_official

REGISTRATION PROCEDURES

Grade 7 students living in McNair's catchment and attending a McNair feeder school will automatically be registered in the spring to enter Grade 8 at McNair in September. Grade 7 students living in McNair's catchment who are attending other elementary schools will be contacted by our counsellors. A letter will be sent to families in late August explaining back-to-school procedures and dates. Students who are already attending McNair will be programmed by grade in the Spring. They will also be contacted in August.

TRANSFER APPLICATIONS

Students who are not residing in the McNair catchment area must apply to attend McNair by submitting a [transfer form](#) between February 9 and **February 27, 2026**.

Counsellors will be available in the school to assist students with course planning and timetable adjustments during the last week of the summer. An appointment is necessary.

COURSE LOAD

All Grade 8, 9, 10 & 11 students carry a full schedule of classes – 4 courses every day. Grade 12 students may apply for a study period. Any exception to the above schedule must be approved by the Principal.

ATTENDANCE

Regular attendance is an essential element of success. Holidays should be taken during the scheduled breaks in the school year. Absences at other times cannot be authorized and the loss of time may have serious consequences.

REPORTING AND EVALUATION

Formal Learning Updates are issued each year in November, February, April and June. Informal Updates may be requested from and, in some instances, will be initiated by the teacher at any time during the school year. Students should always know how they are progressing in all areas of learning. To help in this process, students

are recommended to keep a record of their progress.

BELL SCHEDULE – Monday/Friday

8:30 - 9:50	Block A
9:55 – 11:15	Block B
11:15 – 11:25	Break
11:30 – 12:50	Block C
12:50 – 1:35	Lunch
1:40 – 3:00	Block D

BELL SCHEDULE - Tues/Wed/Thurs

8:30 - 9:42	Block A
9:47 - 10:19	Flex
10:24 - 11:36	Block B
11:36 - 11:46	Break
11:51 - 1:03	Block C
1:03 - 1:43	Lunch
1:48 - 3:00	Block D

BELL SCHEDULE – Collaboration Day

(1st Monday of the Month except September)

8:30 – 9:50	Collaboration Time
9:55 – 10:55	Block A
11:00 – 12:00	Block B
12:00 – 12:15	Break
12:20 – 1:20	Block C
1:20 – 1:55	Lunch
2:00 – 3:00	Block D

FLEX TIME

At McNair, we have Flex Time on Tuesdays, Wednesdays, and Thursdays for 32 minutes. Flex Time is an important part of the school day at McNair. This is a chance for students to fully take charge and exercise agency over their learning. Flex Time allows students to take ownership by choosing a class they are currently enrolled in that match their needs, whether they have strong interest in a subject or require extra support. The expectation is that all students are to sign up online for Flex Time with one of their teachers prior to the start of each day's Flex Time. Staff is available in classrooms to support students.

TEXTBOOKS

Textbooks are issued by subject teachers. There is no charge for the use of school textbooks. If textbooks are not returned or are returned with more than normal wear, students will be billed for a replacement textbook.

General Information

PROVINCIAL ASSESSMENTS

Provincial Graduation Assessments in Numeracy and Literacy assess student achievement during the graduation years (grades 10-12). All grade 10 students must write assessments in numeracy and literacy. Grade 12 students must write a literacy assessment. All three assessments must be completed prior to graduation.

General Information

Special Information for Grade 11 & 12 Students

1. LANGUAGE CHALLENGE

Students may challenge a language if they have taken a course in previous years or feel they have the mastery of the course material through other means than the conventional classroom. Some documentation of previous exposure to the language is required. If successful, a student will receive a mark and course credit for the language level 11 or 12 which can be recorded on the official transcript for graduation.

To register for a Challenge Exam, students must register with their counsellor and complete a registration package. The registration package is due **end of October** with a deposit cheque. **The exam is taken in January.**

The following Language Challenge Exams are available:

- French 11/12
- Japanese 11/12
- Korean 11/12
- Mandarin 11/12 (traditional and simplified)
- Punjabi 11/12
- Spanish 11/12

2. EXTERNAL CREDITS

Credit is granted for documentation which is provided by an approved external body for specific learning achieved outside the school system. Students may qualify for external credit in the following programs that are recognized by the Provincial Government:

- BC Conservatory of Music
- London College of Music
- Royal School of Music
- Royal Conservatory of Music
- Victoria Conservatory of Music
- Western Board of Music (Conservatory Canada)
- Trinity College: London
- External Language Assessment
- External Drama, Speech, and Acting
- External Industrial and Occupation Courses
- External Dance Courses
- Language Training from other countries
- A number of Sport, Athletic or Coaching Programs
- Youth Development Courses: Cadets, 4H, Guides, Scouts Lifesaving, First Aid, Outward Bound
- Driver Education
- Canadian Private Pilot's License
- Canadian Pony Club
- Duke of Edinburgh's Award
- Grand Prior's Badge
- Bold Eagle Program

- Snowboard Instructor Level 1 (CASI)
- Ski Instructor Level 1 (CSIA)
- Jazz Dance (ADAPT)
- Tap Dance (ADAPT)
- IB Art History (SL)
- Musical Theatre (Trinity College)
- Performance Arts (Trinity College)

For a complete listing and current information please see the Ministry website:

<https://www2.gov.bc.ca/gov/content/education-training/k-12/support/graduation/getting-credit-to-graduate>



3. DISTRIBUTED LEARNING

The Richmond Virtual School (RVS) is a Distributed Learning secondary school that uses a blended model of online and face-to-face interaction to deliver high quality and dynamic learning opportunities. We have one of the highest success rates in BC.

Our blended Distributed Learning approach provides more choices for students, teachers, and schools. RVS students have the flexibility of learning at different times and places. As independent learners, students also benefit by developing life-long learning skills that will prove useful in other online learning opportunities they encounter.

RVS provides free academic and elective courses in Grades 10 to 12 for Richmond residents. Students can take one or more courses through RVS and still be registered in their home school. RVS also offers a personalized project based learning program called SKY for Grade 11 and 12 students. See RVS website (<https://rvs.sd38.bc.ca/programs/sky-11-12>) for information on SKY and our other innovative programs.

There is an expectation that students will be able to attend the regular face-to-face meetings scheduled by the RVS course teachers. Meetings are typically weekly or every second week.

Online Courses offered at McNair are as follows:

- Career Life Education 10
- Career Life Education 10 Mini
- French 11/12
- Leadership 11/12
- Yearbook 10-12

Register at
RichmondVirtualSchool.ca
Contact us: rvs@sd38.bc.ca
604-668-6371

Enriched and Alternate Programs

ENRICHED COURSES

Pre-AP Math 10	Pre-AP Math 11	AP Calculus 12
Studio Art	AP Chemistry	AP Biology
AP English Lit	AP Psychology	Lit Studies 10 Enriched
Lit Studies 11 Honours		

While a regular academic program is very challenging, students seeking extra enrichment may supplement their program with certain courses. Although enriched courses are offered every year, they run subject to enrollment. Students selecting an enriched class that does not have sufficient enrollment will automatically be registered in the mainstream version of the subject or an alternate elective as appropriate. **Please note: Enriched classes outside of AP, receive the same transcript credit as the mainstream course.**

MATH 10, 11 (Pre-AP)

These courses cover the same material as Math 10 or 11, but go into greater depth and emphasize problem solving. They are recommended for high-achieving students in previous mathematics courses. Students planning on continuing in higher level mathematics at McNair and at post-secondary institutions should consider this option.

ADVANCED PLACEMENT

Advanced Placement (AP) is a program which expands upon the normal senior secondary level curriculum and is intended to provide a challenge for academically talented and highly motivated students. This course of studies, through acceleration and enrichment, allows the student to begin college or university studies while still in secondary school. Students completing an Advanced Placement Exam at an acceptable level will receive advanced standing and/or credit at many colleges and universities throughout the world. In North America, such prestigious institutions as McGill, Queens, Harvard, Yale, UCLA, MIT, and Stanford give priority placement to students who have participated in Advanced Placement. In British Columbia, all major universities, UBC, SFU, UNBC and UVic recognize AP programs.

McNair will offer AP Calculus, AP Literature, AP Psychology, AP Biology, and AP Chemistry for the coming school year. There is no course fee, however, there is a fee for writing the exam. These exams take place in May. Students may only write AP exams for courses that run at the school; for all other AP exams, go to the school district website: sd38.bc.ca/programs/secondary-programs/advanced-

placement. For further information go to the College Board website at: www.collegeboard.com/ap.

SUPER PERFORMER

The Super Performer Program is an individually tailored course of studies specifically designed to meet the needs of athletes and performing arts students participating or seeking to qualify at the national level. In order to qualify for the Super Performer Program, students must produce documentation to establish eligibility for the program. Arrangements for credit are made on an individual basis through your counsellor in the Counselling Centre. The intent of this program is to give credit to students for the many hours dedicated to their discipline. This will allow for a more balanced schedule by providing more time for training.

INTEGRATED ACADEMICS

Integrated Academics is an alternate program for Grade 11 and 12 students who are working towards regular provincial graduation requirements (a BC Dogwood Certificate) but have faced barriers to success in mainstream schooling. This program integrates the framework of the First Peoples Principles of Learning with an emphasis on the core competencies and experiential learning to meet the requirements of the Grade 11/12 graduation courses of Language Arts, Social Studies, Math, Science, the Indigenous-Focused Grad Requirement, Applied Skills, and Electives.

An inter-disciplinary approach is taken with the integration of two or more subjects working closely with the same teacher in a classroom of approximately fifteen students. Building secure attachment, a sense of community and belonging is at the forefront of the program. Integrated Academics students have the opportunity to work closely with the teachers, counsellors, administration and a youth support worker to gain valuable skills to help them manage and cope with all facets of their lives.

Acceptance into the Integrated Academics program is facilitated through teacher and counsellor referrals.

Please note: Integrated Academics classes receive the same transcript credit as the mainstream courses.

Enriched and Alternate Programs

MINI SCHOOL

For Highly Motivated Students

The McNair Mini School is a five-year program beginning in Grade 8. The selection process for this exciting program begins each January.



PHILOSOPHY

The McNair Mini School is designed to challenge academically able, motivated students with an enriched course of studies in a cohesive setting. The curriculum will be enriched to develop critical thinking skills, creativity and independence. McNair Mini School graduates have an enviable record of achievement. They have won many scholarships and been accepted to many prestigious post-secondary institutions.



Just as intellectual progress is vital to each student's future; so too is the social aspect of each student's development. There are three major field trips each year designed to foster the acquisition of essential attitudes: leadership, responsibility, initiative, cooperation, and mutual respect. Service to the community will be encouraged. Although the students remain together for their core courses, they retain access to all the elective courses, facilities, clubs, and teams of McNair. We believe that these students should play an important part in the environment of the school. Grade 7 Students must apply by **February 8, 2026** to be eligible for this program in Grade 8.

MINI SCHOOL CURRICULUM

The Mini School core program parallels the regular curriculum. The courses are offered at an accelerated pace and in greater depth. The Mini School Grade 8 class will take the following courses together as a group: Humanities, Mathematics, Science, Physical & Health Education, and French. The Grade 9 class will take English, Science, Physical & Health Education, and Social Studies together. The Grade 10 class will take English, Science, Physical & Health Education and Social Studies 10 together. At the senior level English 11, English 12, BC First Peoples 12 (taken in grade 11), and CLE 11 are taken together.

In addition to classroom experiences, student learning is stimulated through interaction with the community. Guest speakers, visits to business and industrial sites, and attendance at cultural activities will enhance the student's Mini School experience.

SOCIAL DEVELOPMENT

Extended field trips are an essential part of the program. Excursions to sites such as Strathcona Park for outdoor education will be included. Students will develop their organizational abilities, problem solving techniques and cooperative social skills.

Students are encouraged to volunteer their time, energy and talents within the school and in the community. All of these activities are designed to foster friendship, mutual support and personal commitment. As part of their social development, students are encouraged to participate in the Young Canadian Challenge for the Duke of Edinburgh's Awards.

ASSESSMENT

Periodic assessments will be made of each student's commitment to the program, as reflected by their achievement, work habits, motivation, and attitude.

Cost: This program is funded by the families participating in the Mini School.

For more information and applications, please contact a McNair counsellor at (604) 668-6575.

Student Activities

STUDENT COUNCIL

The Student Council is responsible for organizing student activities within the school community such as: spirit weeks, candy grams and other school-wide events. The Student Council welcomes all students to join at any time. In Student Council, students will get the opportunity to gain some experience in leadership and responsibility. Meetings are typically held at lunch.

YEARBOOK

Each year, a group of students produces a yearbook recording the major events of the school year along with student pictures. Working on this book is a valuable experience for those interested in graphics as a possible career and provides a unique opportunity to make a lasting contribution to the school. Interested students should listen for the announcement or contact the office. Students may be interested in taking the Yearbook class described in the Information Technology section.

MUSIC

Students may be involved in Choir, Strings or Band either on a credit or a non-credit basis. Students who choose to participate are expected to commit themselves to regular practice sessions as well as special performances which normally include one major field trip each year. Please visit mcnairmusic.ca for more details about our music program.

THEATRE

A full range of Acting and Stagecraft classes is offered. Students may audition for the major productions whether or not they are currently taking theatre classes.

CLUBS

A range of clubs appealing to diverse interests is available at McNair (e.g. Eco-Marlins, Animal Rescue Club, Grad Council, First Responders, McNair Tutoring Club). Students are informed of club activities and meetings through the daily student bulletin/PA.

MARLINAIRES

Marlinaires is the school's social responsibility club and supports UNICEF alongside a second non-profit organization. Through fundraisers and awareness campaigns, Marlinaires give back to the school, local community, and abroad with food drives, shoebox donations, and food sales. Student ambassadors are involved in both school and community service activities.

ATHLETIC COUNCIL

Athletic Council members are elected by the student body. This council organizes school wide events such as the Terry Fox run. Supporters assist school teams through refereeing and scorekeeping, and encouraging athletic involvement.

INTER-SCHOOL ATHLETICS

McNair is a member of the Richmond Secondary Schools Athletic Association and enters teams in most of the sports under that association. Teams offered can vary according to availability of coaches and number of interested students. Students are expected to exhibit a high standard of sportsmanship and must carry a full course load to participate.

FALL SEASON

▪ Cross Country	All Grades
▪ Rugby	Gr. 8, 9
▪ Soccer	Sr. Boys
▪ Swimming	Jr. & Sr.
▪ Volleyball	Gr. 8, 9, Jr. & Sr. Girls, Jr & Sr. Boys

WINTER SEASON

▪ Basketball	All Grades
▪ Table Tennis	All Grades

SPRING SEASON

▪ Badminton	Jr. and Sr.
▪ Golf	All Grades
▪ Rugby	Jr. & Sr. Boys
▪ Soccer	Sr. Girls
▪ Tennis	All Grades
▪ Track & Field	All Grades
▪ Ultimate	All Grades
▪ Volleyball	Gr. 8, 9, Boys

INTRAMURALS

During the lunch hour, a variety of sports activities are offered in the large gym. Students can enter their own team and compete for championship titles in sports such as volleyball, basketball, badminton, and soccer.

GRAD EVENTS AND GRAD COUNCIL

The Grad Council works on activities involving the graduation class of that year. Graduation activities include Autumn Gala, Boat Cruise, and Grad Dinner and Dance. Valedictory and Grad Dinner and Dance take place in June. The top all-round student is often honored as Valedictorian of the Graduating Class. The Scholarship Committee also selects students to speak as the Class Poet and the Class Prophet at Valedictory.

Student Services

STUDENT SERVICES AT McNAIR

The goal of student services at McNair is to assist students to be successful in all aspects of their schooling. As a result of successful and meaningful experiences in school, we believe that students will be better prepared to meet challenges after graduation.

Student services include the following: Counselling, the Career Resource Advisor, the Resource Department, the Library, and the Cafeteria food services.

PROGRAM PLANNING

1. Incoming Grade 8 Students

Program planning for Grade 8 students begins in the spring of a student's Grade 7 year. At this time the Grade 7 classes visit McNair for a morning. They are given information on many aspects of the school and their Grade 8 program. They tour the school, participate in some group activities and have lunch. In addition, counsellors and administrators hold an information evening for parents. We encourage all parents to attend and participate actively in their son/daughter's program planning.

2. Students at McNair

Program planning for students who are already at McNair is completed at the school in the Spring each year. Sessions focus on informing students of the graduation requirements and providing them with information about post-secondary opportunities and entrance requirements. This allows students to begin thinking about life after secondary school. Students must select courses that they will be happy with as course changes will be very difficult to make after the timetable has been built.

During late August, all registered students receive a package of materials necessary for school start-up. If there are any problems with the courses or if students need some help in planning timetables, counsellors are available at the school during the week before school opens. ***Please call the school to make an appointment.***

COUNSELLING SERVICES

For purposes of checking records and interviewing, students are assigned to specific counsellors. Students are welcome to work with any counsellor regarding personal concerns.

Counsellors will check all students' records as they progress towards graduation and advise individuals of any problems that might hinder graduation at the expected time. The alphabetic breakdown of students assigned for each counsellor is:

A – L	Ms. D. Ozla
M – Z	Ms. K. Louie

Counsellors provide support in the following areas:

Personal:

- crisis counselling involving home or school problems
- resolving problems arising from difficulties related to class and/or school routines and policies
- inter-community referrals to qualified specialists who may offer additional assistance

Educational:

- course planning leading to graduation, post-secondary education, and employment
- arranging assistance for students experiencing academic difficulties
- providing scholarship information and applications

Career:

- referring students to prospective employers who have contacted the school
- exploring career alternatives and checking for prerequisite courses and requirements for various occupations

Students may make appointments with the counsellors during school hours, before or after school, and at lunch. Parents are also welcome to phone counsellors if they have any questions or concerns or to make an appointment.



Student Services

CAREER ADVISOR

The Career Advisor at McNair provides a wide range of career information materials in the following areas:

- career and post-secondary program exploration based on interests and personality styles
- career information, including job description, working conditions, earnings, related careers, program of study/training, etc.
- employment trends and future outlook
- application to vocational, career, technical and university programs
- scholarships and other financial aid information
- entrance tests (e.g., LPI, TOEFL, SAT and ACT)

Students may make appointments with the Career Advisor in the Counselling Centre. Parents are also invited to arrange an appointment with the Career Advisor by phoning the school at (604) 668-6575.

SCHOOL LIBRARY

The McNair Library's collection and technology supports learners and educators in a number of ways.

Over 9,000 carefully selected books and DVDs and 25 computers and iPads support classroom teachers across the curriculum, for student research, and individual reading interests. The 25 devices give learners access to the district's dozens of online educational resources and also contain a variety of educational apps. The library has a 3D printer and two green screens for class or individual projects.

The library is a centre for special presentations by district and in-school groups.

McNair library also has a reputation as being a friendly, social space. This has been facilitated by comfy furniture and leisure activities such as puzzles, colouring pages, Sudoku, board games and other activities.

Drop by anytime from 8:00 AM to 3:15 PM.

STUDENT I.D. CARDS AND BUS PASSES

Photographs are taken in September from which combination student identification/Go cards are issued. Picture packages may be ordered at the time pictures are taken.

SCHOOL LIAISON PROGRAM

McNair is a participant in the School Liaison Program in conjunction with the Richmond RCMP. The School Liaison Officer is available as a resource person for staff and students and can provide general information on police-related matters. The purpose of this program is to increase awareness and to "bridge the gap" between the police and the community.

CAFETERIA

The cafeteria is under the direction of Ms. L. Valiquette. Students who are in the Cafeteria program provide a full menu at break and at lunch.

VENDING MACHINES

In addition to cafeteria food services, there are vending machines to provide some items at times when the cafeteria is not open.

RESOURCE CENTRE & ACCESS LIFE SKILLS PROGRAM

At McNair, students who require additional support beyond what they can receive in a regular classroom may receive one or more blocks of assistance through our resource program. McNair's resource department has three levels of support in the junior grades, plus additional options for students in grade 11 and 12. Students enrolled in support blocks often have Individual Education Plans (IEPs) to support their learning in other classrooms. Students that do not have IEPs, and/or do not require a daily support block may access additional help anytime by dropping into the Learning Centre in room 147, requesting help from McNair's peer tutoring program (mcnairtutors@gmail.com) or attending Flex time in the Learning Centre or with their academic teachers.

Support from the resource department depends on individual student needs and interests and can take a variety of forms including:

- In-class Resource Teacher or Educational Assistant support
- Supported work experience
- Material and test adaptation and/or modification
- Enrolment in an ACCESS, IGNITE or Applied Learning Strategies
- Direct instruction in learning strategies, life skills, literacy and numeracy skills, and other necessary areas
- Informal assessment
- Inter-agency collaboration and coordination
- Other support as needed

ACCESS PROGRAM

Our ACCESS program is for students that require significant individualized support. The students work on social and conversation skills, functional academics, and tasks such as cooking and laundry. They typically spend between 2 and 4 blocks out of 8 in our ACCESS room each year. The classroom is well staffed to allow for a safe and individualized program that involves lots of hands-on activities and movement at the developmental level of each student. The remainder of the student's schedule may have some modified academic classes but is weighted more towards the student's areas of interest (electives). Students will graduate with an Evergreen Certificate based on their individual goals and achievements.

Students enter ACCESS by referral from their elementary school team during the transition process.

IGNITE & WORK EXPERIENCE PROGRAMS

IGNITE (Inspiring Growth in Numeracy, Interpersonal and Textual engagement)

The IGNITE program is designed to empower students who require additional support to succeed in their high school program. Students participate in IGNITE each semester while continuing to attend their regular academic classes, with the purpose of further supporting learning outcomes in those courses. Placement in IGNITE is referral-based and may be recommended through transition meetings, teachers, administrators, counsellors, parents/guardians, and/or students themselves.

IGNITE support is offered year-long in Grade 8, 9 and 10. In Grades 11 and 12 the IGNITE block is paired with a Learning Strategies block to further enhance student success.

The IGNITE program is a combination of direct instruction as well as support for students. The classes are tailored to each student's individual learning profile and may include:

- Direct support with understanding academic course content
- Strategies for organization, time management, goal setting, and study habits
- Support in developing reading, writing, speaking, and mathematical skills
- Strategies to improve behaviour and self regulation

The overall goal of the program is to strengthen students' skills and confidence, enabling greater success and understanding to meet the learning outcomes in their other classes.

Once students reach the grade 11/12 level of IGNITE they may have the option of joining our Work Experience program which is designed to equip students with valuable skills to prepare them for life after high school. We start with in-class learning on a variety of different topics including: self-development, career exploration, bus training, building resumes, practicing for interviews, working on job readiness and independent living skills as well as financial literacy and budgeting. Students move towards doing jobs around the school. Eventually they will be matched with volunteer internships in the community to gain authentic work experience in supervised job placements. Students gain valuable references and experiences to add to their resumes to prepare them for a paid job after high school.

Student Services

Students in the IGNITE and Work Experience programs are generally referred by their elementary school team during the transition process or by McNair's School Based Team.

APPLIED LEARNING STRATEGIES

This course provides students with the opportunity to develop valuable skills and strategies for lifelong learning and independence. This may include understanding their individual learning profiles, strengthening self-determination and self-advocacy skills, learning compensatory strategies, and sharing ownership of IEP development, if applicable. There is an emphasis on skill building in the areas of time management, organization, goal setting, assignment/project completion, effective study and test-taking strategies, as well as self-regulation skills. During an Applied Learning Strategies block, students receive support with their classes in the form of tutorial-type service, pre-teaching or re-teaching of materials, direct teaching of skills and strategies for success, supplemental work to advance their academic skills, adaptations for test writing, and organizational support as needed.

Students are consistently monitored for development in their self-management skills and the competencies required to succeed at school and in the community. The goal of this course is to help students achieve proficiency in the learning standards of their academic classes and to promote thinking and reflection with respect to personal strength, stretches and preferences. Grade 10-12 students will receive credit and marks for this course based on their engagement with the above goals.

Students are referred to Applied Learning Strategies by their elementary school team during the grade 7-8 transition process, or by McNair's School Based Team. Students are unable to self-select this course during program planning. Students who believe they would benefit from a support block should see their counselor and be prepared to replace an elective.

Scholarships

SCHOLARSHIPS

There are five categories of scholarships:

1. INSTITUTIONAL

For students who apply for and satisfy the required academic standard based on the donor's criteria which may also include other desired qualifications. Example: University Entrance Scholarships.

2. GENERAL COMMUNITY

For students who apply for and satisfy requirements of an organization awarding a scholarship. Students must take the initiative to find out information about these scholarships and apply for them. Example: The Community Arts Council.

3. SCHOOL COMMUNITY

Scholarships given to Richmond District schools by individual donors or community groups. Specific criteria is established by the donating organization or individual. Students must apply to the McNair Scholarship Committee to be eligible for these awards. Example: The Progressive Contracting Scholarship.

4. "IN SCHOOL" McNAIR

Scholarships given to McNair by donors who have unique relationships to the school. Students must apply to the McNair Scholarship Committee by completing and submitting the online application form to be eligible for these awards. Winners are decided on the basis of meeting specific criteria or on the gross grade-point accumulation in their best fourteen subjects taken at McNair in Grades 11 and 12. Example: The G.S. Neel Math-Science Award.

Graduating students should also be aware of the following scholarships or awards:

5. PROVINCIAL SCHOLARSHIPS

PROVINCIAL SCHOLARSHIP PROGRAM

The program's purposes are to recognize student achievement and encourage students to pursue post-secondary education. Winners must meet the basic eligibility requirements and the specific requirements for each scholarship.

BC ACHIEVEMENT SCHOLARSHIP

BC Achievement Scholarships recognize the top 8000 graduates in the province. The Ministry will determine recipients based on achievement in Grades 10, 11, and 12 courses that satisfy Graduation Program requirements, including elective courses. Winners receive a \$1250 scholarship voucher to use towards their post-secondary tuition.

DISTRICT/AUTHORITY SCHOLARSHIPS

There are 5500 District/Authority Scholarships distributed across school districts and independent school authorities that recognize graduating BC students for excellence in their chosen area of interest or strength. Winners receive a \$1250 scholarship voucher to use towards their post-secondary tuition.

BC EXCELLENCE SCHOLARSHIP

There are 55 BC Excellence Scholarships available to recognize well-rounded BC graduates. Winners will have demonstrated service and leadership, both at school and in their communities, and shown aptitude and commitment to their chosen career paths.

Please visit the BC Ministry of Education website for more information on the various Scholarships Programs – <http://www2.gov.bc.ca>

GOVERNOR-GENERAL'S BRONZE MEDAL

Based on McNair's consistent records of high academic achievement, the school has been given the privilege of awarding the Governor-General's Bronze Medal to the top academic student each year. This award is part of a Federal Government program to promote excellence in education.

The counselling Centre has information for many of these scholarship opportunities.

Post-Secondary Information

POST-SECONDARY INFORMATION

The information on the following pages is by no means complete. It is designed to serve the needs of the majority of McNair graduates who desire to enter a post-secondary institution. The counselling department of McNair maintains an extensive library of calendars as well as an up-to-date computer file for Canadian and American universities, technical institutions, etc.

Visit institution websites or the BC database provided at
<http://www.educationplannerbc.ca/>

1. VOCATIONAL SCHOOLS

Vocational schools include: VCC City Centre, VCC King Edward, Kwantlen University College, and BCIT. Programs vary with the different schools. Entrance requirements range from high school graduation in related programs to Grade 10 completion. Detailed information on vocational programs is available at the counselling office.

2. COMMUNITY COLLEGES/POLYTECHNIC UNIVERSITIES

There are many community colleges in B.C. McNair graduates often attend either Kwantlen, Langara, BCIT, VCC or Douglas. The major options offered by the colleges may include:

- a) *University transfer:* Students may complete either one or two years of university course work and transfer directly to one of the five major universities.
- b) *Career Programs:* These programs are up to two years in duration and equip students with job related skills.
- c) *Technology Programs:* one and two-year programs are given at the Newton Campus of Kwantlen, VCC City Centre, B.C.I.T. and VCC King Edward Campus. Admission requirements are more extensive than those for general college entrance.
- d) Students applying to BCIT should complete admission requirements in the first semester of their Grade 12 year.

UNIVERSITIES

The major universities in B.C. include UBC, SFU, UVic, UNBC and Trinity Western. They are degree-granting institutions and most of their programs are 4 or 5 years in length.

Students wishing to apply for entry to these institutions should check the appropriate calendars, or the post-secondary websites for specific and up to date entry requirements

CAREER PROGRAM WEBSITE

To find out more about Career Development opportunities, visit the Richmond School District career resource website:

<http://careerprograms.sd38.bc.ca/>



The above website includes information about the wide range of trade and career programs available in the Richmond School District.

COURSE DESCRIPTIONS



Basic supplies will be provided to students in order to meet the learning standards of all courses. Should a student wish to use optional materials to enhance or elaborate upon the learning standards, a fee may be required. Students may also pay costs in connection with optional field trips.

FINE ARTS 8

This is a 6 week exploratory course in which all Grade 8 students will gain experience in the applied skills subjects: Art, Business Education, Drama, Home Economics, Music and Technology Education. Students will spend one third of a semester in each of the areas of study.

ART 9 (MVA--09)

Develop your creativity in this dynamic project based course. Advance your skills or learn new ones in: ceramics, printmaking, drawing, painting and more. Projects in this course are designed to develop artistic ability in beginners and at the same time allow advanced student artists to hone their skills.

ART 10 (MVAST10)

Projects in this course are designed to develop artistic ability in beginners and at the same time allow advanced student artists to hone their skills. All 2D and 3D media such as ceramics, printmaking, drawing and painting could be explored in this creative course. Most projects will be teacher directed but there will be the opportunity for students to pursue personal themes and imagery.

CERAMICS AND SCULPTURE 10 (MVAC-10)

In this intermediate course, students will develop techniques specific to ceramics and sculpture. Emphasis will be placed on hand building with clay and other sculpture techniques using a variety of materials such as recycled items, plaster and paper mache. Students will be expected to keep a sketchbook as part of the design process. Most projects will be teacher directed but there will be the opportunity for students to pursue personal themes and imagery.

DRAWING AND PAINTING 10 (MVAD-10)

In this course students will develop techniques specific to drawing and painting. Emphasis will be placed on drawing from observation, memory and imagination through out the different projects. Painting skills will be developed using a variety of media such as water colour, acrylic and tempera paints on a variety of supports such as paper, canvas, collage and mixed media. Most projects will be teacher directed but there will be the opportunity for students to pursue personal themes and imagery.

PHOTOGRAPHY 10 (MVAPH10)

Photography 10 is an introductory course. The primary emphasis is on learning basic photographic techniques. Digital photography will be the main focus of the class, but we will also explore traditional film photography. Students will learn to develop film into negatives and then produce black and white photographs in the darkroom. Some of the topics covered are traditional photographic techniques, composition and design, studio lighting, special effects, mixed media techniques and more. It would be great if students have their own "point and shoot" automatic 35 mm camera in this course but if not, we have some they can borrow. We will be using their digital phones to do a lot of picture assignments pictures.

PHOTOGRAPHY 11 (MVAPH11)

Students taking Photo 11 for the first time will be learning basic photographic techniques. Digital photography will be the main focus of the class, but we will also explore traditional film photography. Students will learn to develop film into negatives, and then produce black and white photographs in the darkroom. Some of the topics covered are traditional photographic techniques, composition and design, studio lighting, special effects, mixed media techniques and more. It would be great if students have their own "point and shoot" automatic 35 mm camera in this course but if not, we have some they can borrow. We will be using their digital phones to do a lot of picture assignments pictures. Photo 11 students who have taken Photo in grade 10 will have a strong emphasis on the development of a personal style. Students will experiment with advanced camera techniques to produce images that convey their growing sense of effective composition, emotional/artistic connection and technical mastery. Projects will include a look at the concepts of graphic design, portraits, special effects, and more.

PHOTOGRAPHY 12 (MVAPH12)

Students taking Photo 12 for the first time will be learning the basic techniques but will receive Grade 12 credit. Photo 12 students who have completed Photo 11 will be learning about the development of personal style. Photo 12 students who have completed Photo 10 and 11 will be asked to pursue their own creative ideas and to seek out creative and original solutions to different photo projects. They will be creating a portfolio that displays the breadth and quality necessary for admission to a post-secondary photo program, they will also be searching out their own artistic style and voice.

ART STUDIO 11 (MVAST11)

This course gives the student experience with a wide variety of techniques and processes. It may include drawing and painting, printmaking, mixed media, and ceramics. The focus will be on developing an awareness and skill in the use of the elements and principles of



design, personal images, different material techniques and an increased awareness of historical/cultural contexts. Students will be required to maintain a sketchbook for visual thinking, exploration and skill development. Projects completed in this course may form part of the developing student portfolio for use in future employment or further arts education at the post-secondary level. Students taking Art 11 for the first time will be placed into Level 1. Art 11 students who have completed one or two art courses will be placed in Level 2 or Level 3 consecutively.

ART STUDIO 12 (MVAST12)

This course gives the student experience with a wide variety of techniques and processes. It may include drawing and painting, printmaking, mixed media, and ceramics. The focus will be on developing an awareness and skill in the use of the elements and principles of design, personal images, different material techniques and an increased awareness of historical/cultural contexts. Students will be required to maintain a sketchbook for visual thinking, exploration and skill development. Projects completed in this course may form part of a developing student portfolio for use in future employment or further arts education at the post-secondary level.

DRAWING AND PAINTING 11 (MVAD-11)

This course is for the students who are interested in acquiring skills and techniques, in drawing and painting through use of a variety of 2 dimensional media and materials like water colour, acrylic on canvas and pencil.

Emphasis will be placed on individual sketchbook development and creative completion of assignments.

DRAWING AND PAINTING 12 (MVAD-12)

This course is for the student who is interested in further developing a variety of skills/techniques in drawing and painting, through use of different materials. Students will have the opportunity to adapt assigned class work to individual portfolio requirements and/or themes.

CERAMICS AND SCULPTURE 11 (MVAC-11)

In this course, students will develop their skills with 3 dimensional materials. Starting with basic hand building skills for clay, students will gradually acquire the skills to do more independent projects. Emphasis will be placed on the design and production of both functional and decorative objects using a variety of finishing materials (glazes, stains, paints etc). Although clay will be the principal medium explored, other 3 dimensional methods and materials such as paper maché and mixed media will also be introduced.

CERAMICS AND SCULPTURE 12 (MVAC-12)

This course is a continuation of Ceramics and Sculpture with greater emphasis on the development of personal themes in 3D media. The individual student will have the opportunity to experiment with various finishing techniques in ceramics and may also choose to develop skills on the pottery wheel. Students will also work with a variety of unusual materials.



Business Education

Business Education courses offer a variety of opportunities for students to gain knowledge and skills for part-time employment and entry level jobs as well as for post-secondary business studies.

ENTREPRENEURSHIP & MARKETING 8

This is the 6 week introductory course to the world of Business Education.

Students will touch upon the units of Marketing, Entrepreneurship and Promotion by participating in a Barter Economy, creating a product advertisement and a print ad, participate in a Dragon's Den/Shark Tank unit by creating a prototype product and analyzing and preparing sales pitches for school Dragons.

The Technology unit will introduce students to online presentation software and look at Digital Citizenship.

The final project is a video message to their Grade 12 selves recorded and stored on a USB to be given upon graduation in Grade 12.

Students are highly recommended to continue with the Grade 9 level course in this area.

ENTREPRENEURSHIP & MARKETING 9

(MADEM09)

**Recommended follow-up course to Entrepreneurship and Marketing 8*

In this course a variety of topics will be introduced to give the students a look at the diverse aspects of business studies. Students in this course will examine elements of companies, looking at such things as: characteristics of entrepreneurship, foundations of business, how businesses advertise, branding, trademarking, banking and money management. Students will also be involved in business ventures, participate in mock job interviews, create resumés and cover letters as well as other business documents, learn about budgeting and complete basic tax forms. Other units to be covered include marketing, construction of financial documents, decision-making, budgeting, and economics.

Through the content of the course, students will learn proper keyboarding techniques and computer skills, which will be emphasized through various business-oriented software.

This course is ideal for students who are interested in Marketing or Accounting in their senior years or those

who wish to become an entrepreneur and start their own businesses.

ENTREPRENEURSHIP & MARKETING 10

(MADEM10)

**Recommended follow-up course to Entrepreneurship and Marketing 9, but not a required pre-requisite*

This course is ideal for students who are interested in Marketing or Accounting in their senior years or those who wish to become an entrepreneur and start their own businesses. Concepts developed in the junior courses will be extended and further business and technology topics and software will be explored. Topics will include marketing, entrepreneurship, economics and personal decision making.

Students are advised to continue their Business studies by pursuing either Accounting 11 or Marketing & Promotion 11 as a follow-up to this course.

ACCOUNTING 11 (MAC--11)

This is a course in accounting principles and their applications. It is highly recommended for any student who plans on pursuing a career in Business/Commerce or for any student who has a desire to become an entrepreneur and start their own business to understand the financial documents needed to run a company. This knowledge will be used to invest in equities through various stock market simulations.

Topics to be covered are: assets, liabilities and equity, general ledger, subsidiary ledgers, journal entries, trial balance, financial statements; income statement and balance sheet, and source documents.

A unit on personal finance and income tax is also included in this course where students will understand the basics of Canada's tax system and prepare a simplified tax return. Textbooks for the course are online and Microsoft Excel basics will be taught as it is used for in-class work and tests.

Business Education

ACCOUNTING 12 (MACC-12)

Pre-requisite: Accounting 11

Accounting 12 is a useful course for any student who expects to deal with the business world and its financial systems. This course stresses the principles taught in accounting 11, and their applications to the wider business world. Concepts such as depreciation, cash-flow statements, adjustments, and the accounting cycle will be discussed.

Those students who intend to complete a university business degree, college business diploma or a professional accounting degree are strongly advised to take this course. Software such as "Quickbooks" or Excel will be used to supplement accounting knowledge. Furthermore, students will use their ability to comprehend and create financial documents to invest in the stock market to gain a stronger understanding of financial literacy. Topics such as short selling, margin, and the importance of technical knowledge will be discussed. Finally, a personal tax unit will be taught in order for students to be able to complete a tax return.

MARKETING & PROMOTION 11 (MMAP-11)

**Recommended follow-up course to Entrepreneurship & Marketing 10 but no pre-requisite*

This course is an introductory activity-based course in the basics of marketing from a retail perspective.

Topics in Marketing 11 include advertising (television, magazine, radio, outdoor and online), ad design, sales promotion, marketing research and strategies, visual merchandising, distribution channels, public relations, packaging, pricing strategies, ethics and subliminal advertising.

Discussions and activities around popular culture related to marketing as well as field trips and projects and presentations will be used to acquire insider knowledge about the methods used to attract customers to products and services from a retailing perspective.

Among the projects, students will create a business plan, print ad, 3D layout, website and video commercial for an entrepreneurial enterprise of their choosing.

E-COMMERCE 12 (MECOM12)

**Recommended follow-up course to Marketing & Promotion 11 but not required*

Depending on the dynamics within the class, this course will involve operating a student-run school store where collective decisions on marketing, purchasing, and accounting will be made by the students as a team. Additionally, students will collaborate with local businesses to develop their marketing strategies, encompassing social media campaigns, video commercials, market research, SWOT analyses, website creation, and various related projects.

Course topics will cover an overview of Marketing & Promotion 11 concepts, Consumer Behavior, Marketing Research and Strategies, Sales Promotion, and Event Planning.

AP PSYCHOLOGY 12 (APSY12)

AP Psychology is a course for students who are interested in social psychology, personality, mental and physical health, development, learning, cognition, and the biological basis of behaviour. Psychology is the scientific and evidence-based study of behaviour and its causes. The course is aligned with the AP curriculum and is aimed for students to write the AP exam in May to receive course credit equivalent to an introductory college-level psychology course.

Although, writing the AP exam is optional if one is interested in the topics but not the AP credit. AP exam takers are expected to do additional material, assignments, and test prep for example, on Teams to prepare for the AP exam. While there are no required prerequisite courses for AP psychology, experience with the scientific method and its procedures is strongly recommended if one wishes to write the AP exam.

Cafeteria

CULINARY ARTS 10 (MCUL-0A)

Note: This course is open to BOTH Grade 9 and 10 students, and no pre-requisites are required.

Culinary Arts 10 is a fun, hands-on class that lets students explore their love of food in creative and exciting ways. If they enjoy cooking, trying new recipes, and understanding the health and science behind what we eat, this course is the perfect fit. It offers a supportive environment to build real skills, experiment in the kitchen, and discover the fascinating world of food – all while having a great time.

Students begin the semester by completing SafeCheck Level 1, a BC Ministry of Health program that teaches essential food safety and workplace safety practices – an important first step for anyone interested in joining the food industry.

Once in the kitchen, students rotate through a variety of culinary stations, developing skills in preparing sandwiches and salads; soups and sauces; short-order meals and entrees; vegetables and starches; and a selection of baked goods including cookies, cakes, quick breads, and yeast breads.

Throughout the course, students gain real-world experience by serving the school community, as well as catering large district events.



CULINARY ARTS 11 (MCUL-1A)

Note: This course is open to BOTH Grade 10 and 11 students, and no pre-requisites are required.

Culinary Arts 11 is a fun, hands-on class that lets students explore their love of food in creative and exciting ways. If they enjoy cooking, trying new recipes, and understanding the health and science behind what we eat, this course is the perfect fit. It offers a supportive environment to build real skills, experiment in the

kitchen, and discover the fascinating world of food – all while having a great time.

Students begin the semester by completing SafeCheck Level 1, a BC Ministry of Health program that teaches essential food safety and workplace safety practices – and important first step for anyone interested in joining the food industry.

Once in the kitchen, students rotate through a variety of culinary stations, developing skills in preparing sandwiches and salads; soups and sauces; short-order meals and entrees; vegetables and starches; and a selection of baked goods including cookies, cakes, quick breads, and yeast breads.

Throughout the course, students gain real-world experience by serving the school community, as well as catering large district events.



CULINARY ARTS 12 (MCUL-2A)

Note: This course is open to students in Grades 10, 11, and 12, and no pre-requisites are required.

Advanced Culinary Arts is designed for students ready to build on their existing skills and take their culinary knowledge to the next level. In this course, students refine



Cafeteria

techniques learned in previous classes, experiment with creating their own original recipes, and explore more complex cooking and baking methods. This class is perfect for those looking to deepen their passion for food, develop confidence, and grow.

Students begin the semester by completing SafeCheck Level 1, a BC Ministry of Health program that teaches essential food safety and workplace safety practices – an important first step for anyone interested in joining the food industry.

Once in the kitchen, students rotate through a variety of culinary stations, developing skills in preparing sandwiches and salads; soups and sauces; short-order meals and entrees; vegetables and starches; and a selection of baked goods including cookies, cakes, quick breads, and yeast breads.

Throughout the course, students gain real-world experience by serving the school community, as well as catering large district events.

<https://www.richmond-news.com/mcnair-students-welcome-visit-from-top-chef-1.792743>



<https://www.richmond-news.com/what-i-learned-in-the-kitchen-today-1.951311>



Below are a few links with more information about our dynamic and fun courses:

<https://www.richmond-news.com/opinion/column-whats-culinary-arts-all-about-anyway-2993399>

ENGLISH 8 (MEN—08)

English 8 is a required course that builds the foundations of students' core reading, writing, listening, speaking, and critical thinking skills. There is a focus on strengthening students' comprehension skills such as isolating main ideas, locating supporting details, making connections, and generating inferences. Course content will cover a wide range of literature in various genres to support and develop students' composition skills.

HUMANITIES 8 MINI (XLDCB08-HUM-MINI)

Humanities 8 Mini integrates the study of English and Social Studies and is a course that runs for the entire school year. Course content includes a focus on the Middle Ages, the Renaissance, mapping, and basic geographical concepts. A wide range of literature is studied to promote core reading, writing, listening, speaking, and critical thinking skills, with an emphasis on comprehension and composition proficiency.

ENGLISH 9 (MEN--09)

English 9 combines three key areas of the English Language Arts—oral language, reading/viewing, and writing/representing—to provide students with opportunities for personal and intellectual growth. With an emphasis on literacy, the course promotes strategies towards building relevant meaning and critical thinking. Students will continue to develop their reading, writing, speaking, and listening skills. Participation in these experiences is intended to further their understanding and appreciation of English language and literature.

LITERARY STUDIES & COMPOSITION 10 (MLTST10)

Literary Studies & Composition 10 provides students with individual and collaborative opportunities to study, create, and use language to produce original pieces. Additionally, students will have opportunities for performance and public speaking. This course also recognizes the important role of digital literacy and facilitates the effective communication and exchange of ideas both online and in print.

Commanding language is essential in an increasingly complex world. Reading, writing, and speaking are developed through an examination of a wide choice of topics, from the works of William Shakespeare to authors of the current century.

LITERARY STUDIES & COMPOSITION 10 ENRICHED

(MLTST10-ENR)

Prerequisite: A Proficient or Extending in English 9. English 9 teacher recommendation is also recognized. Please note: Enriched classes, outside of AP, receive the same transcript credit as the mainstream course.

Literary Studies & Composition 10 Enriched is a course for students who are avid readers, writers, and collaborators that are keen to unravel the intricacies and incongruities of English. This course is designed to cover the same competencies as Literary Studies & Composition 10, but with a greater depth and breadth of material. Textually, students can expect to engage with short and long form prose, poetry and music, and dramatic plays and film. Creatively, students will learn to craft more convincing and supported arguments through both verbal debate and essay writing.

Students who enroll in this course need not consider themselves the next William Shakespeare. Rather, this course is for those who are committed learners who wish to challenge themselves to explore beyond what they know and discover something in the process.

Note: This course is particularly useful to students who plan to take Literary Studies 11 Honours in the subsequent year, or who may be considering a future in English literature or language.

EFP LITERARY STUDIES & WRITING 10 (MEFLS10)

EFP (English First Peoples) Literary Studies & Writing 10 expands on the English Language Arts (ELA) 10 curriculum by exploring authentic First Peoples literature. Students will express their relationship to self, others, and land/place; they will also be provided with opportunities to further their understanding of Indigenous themes such as family, memory, resilience, belonging, and identity in a variety of written and oral forms.

Note: Enrollment in EFP Literary Studies & Writing 10 will meet the Indigenous-focused graduation requirement.

LITERARY STUDIES 11 (MLTST11)

Literary Studies 11 combines the five modules of the curriculum—composition, creative writing, literary studies, new media, and spoken language—to deliver a comprehensive inquiry into language acquisition and critical thinking strategies. Students will learn how to write expository and persuasive essays in response to literature, narrative essays that reflect their personal and cultural identities, and personal responses that voice student opinion. They will develop their confidence in their abilities to communicate ideas clearly in writing and speaking.

LITERARY STUDIES 11 HONOURS (MLTST11-HON)

*Prerequisite: Minimum 80% in **Literary Studies & Composition 10 Enriched** or **EFP Literary Studies & Writing 10**. English 10 teacher recommendation is also recognized. **Please note: Enriched and Honours classes, outside of AP, receive the same transcript credit as the mainstream course.***

Literary Studies 11 Honours is an academic course that parallels the Literary Studies 11 curriculum in an environment enriched by the composition of the class. The course is designed for students who are passionate about the English language, enthusiastic about literature, and dedicated in their work habits to promote an in-depth exploration of the subject matter.

Students who enroll in this course are mature learners who will mine for analytical meaning in texts; work collaboratively in group settings, building upon another's contribution to further their own; and hone their writing skills, both creatively and critically. Through a variety of mediums from composition to performance, students will learn to show a greater depth and breadth of discussion, a stronger effectiveness of argument, and a richer level of insight.

*Note: This course is particularly useful to students who plan to take **Literary Studies 12** or **AP English Literature and Composition** in their graduating year. It is also designed for students who wish to pursue an English Literature or Language major in their post-secondary education.*

ENGLISH STUDIES 12 (MENST12)

English Studies 12 is an academic course which helps students develop their critical thinking skills through listening, speaking, reading, and writing. Engaging in the study of poetry, plays, short stories, and novels, students will analyze sources, make connections, and synthesize new information from a variety of texts.

English Studies 12 is an intensive course that combines the five strands of the English Language Arts into a unified curriculum: composition, creative writing, literary studies, new media, and spoken language. Through a study of select texts and excerpts, students are expected to delve beyond the surface and find meaning in both the blatant and the subtle. With surgical precision, students will hone their writing skills that will demand a careful control and awareness of diction, sentence structure, audience, and style.

*Note: This course offering satisfies the English Language Arts 12 graduation requirement. Students wishing to enroll in **English Studies 12** must ensure they also meet the Indigenous-focused graduation requirement with prior completion of **EFP Literary Studies & Writing 10** or concurrent registration in **B.C. First Peoples 12**, a Social Studies offering.*

ENGLISH FIRST PEOPLES 12 (MENFP12)

Guided by the First Peoples Principles of Learning, English First Peoples 12 is aimed at students interested in oral and written literature with an authentic Indigenous voice. Students will examine a diversity of texts, including novel, oral story, poetry, film, and short stories to meaningfully contribute to reconciliation and gain insight into Aboriginal culture, ways of knowing, and identity.

EFP 12 is an intensive course that will hone students' written and oral skills, bringing to fruition four years of learning in the English Language Arts. Students will further develop critical thinking skills, experience differing viewpoints on relevant Canadian issues, and deepen understanding of the uses of language.

*Note: Students wishing to enroll in **English First Peoples 12** will meet both the English Language Arts requirement for Grade 12 as well as the Indigenous-focused graduation requirement.*

LITERARY STUDIES 12 (MLTST12)

This course surveys English literature from the Anglo-Saxon to the modern period. Students will polish their thinking skills and obtain knowledge of Canada's cultural heritage through a survey of the major figures of English literature and the times they lived in. Students have the opportunity to examine some of the finest, most provocative literature in the English canon.

*Note: **Literary Studies 12** is an elective course. Students wishing to enroll in this course offering will be required to also enroll in **English First Peoples 12** or **English Studies 12** to satisfy the English Language Arts 12 graduation requirement.*

AP ENGLISH LITERATURE AND COMPOSITION (AELC-12)

AP English Literature and Composition engages students in the critical reading and analysis of literature. Through close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements through the use of figurative language, imagery, symbolism, and tone. Course readings will be accompanied through collaborative discussion, visual literacy, and insightful writing.

In May, students will have the option of taking the AP exam. Those who receive a score of four or higher may be awarded credits for post-secondary English at participating North American universities and colleges.

*Note: **AP English Literature and Composition** is an elective course. Students must also enroll in **English First Peoples 12** or **English Studies 12** to satisfy the English Language Arts 12 graduation requirement*

English Language Learning

ENGLISH LANGUAGE LEARNING (ELL)

Students who do not have English as their first language must acquire the language skills of Levels One to Three in the ELL program before commencing studies in English Language Arts. Students in Level Three can take a Social Studies course concurrently with their ELL program. Students in Level Four can take their English course concurrently with ELL English. Students will receive the following number of blocks of support per year for each level:

Beginning (Level 1) – 2 Blocks plus support

Developing (Level 2) – 2 Blocks plus support

Expanding (Level 3) – 2 Blocks

Consolidating (Level 4) – Non-enrolling support

Bridging (Level 5) – Non-enrolling support

BEGINNER ELL (LEVELS 1 & 2) – Beginning/Developing

This course is for students with emergent English skills. It focuses on learning basic grammar, improving the four key language skills (speaking, listening, reading, and writing), and adapting to the school and Canadian culture. Students will have the opportunity to explore non-fiction, short stories, novels, poetry, Canadian history, and Canadian and world geography. Students will also study science safety, materials, and vocabulary, as well as fundamental math terminology. It is strongly recommended that students bring a bilingual dictionary/translator to each class. Students will receive push in or pull out support from an ELL teacher.

Our ELL students are assessed on an ongoing basis. This assessment includes Richmond School District level testing. A progress report will be included as an attachment to each report card.

INTERMEDIATE ELL (LEVEL 3) - Expanding

In this course, students continue to improve their

speaking, listening, reading, and writing. Students will also study Social Studies in one ELL 3 block, with a focus on Canadian geography, history, and government. In the second block, students are introduced to more complex poetry, short stories, novels, and drama. Level 3 students can take regular Social Studies. It is strongly recommended that students bring a bilingual dictionary/translator to each class.

Our ELL students are assessed on an ongoing basis. This assessment includes Richmond School District level testing.

ELL ENGLISH (LEVEL 4 & 5) - Consolidating & Bridging

Level 5 students who have received ELL support for fewer than five years are eligible for support from an ELL teacher in the following ways: in-class support, small-group pullout, and individual tutoring. Students are most commonly supported in courses such as English and Social Studies.

All ELL students will have on-going support and meetings throughout the year from an ELL specialist.



Career Education

CAREER EDUCATION 8 & 9

The Career Education 8 & 9 curriculum address education and careers, healthy living and relationships, safety and injury prevention and substance misuse prevention. Learning outcomes for Career Education 8 & 9 are covered within Grade 8 and 9 required courses and through assemblies, guest speakers, special events, and lessons embedded within students' core classes.

CAREER LIFE EDUCATION (MCLE-10)

This course is a graduation requirement for all students in British Columbia. Students will explore a variety of learning outcomes that are directly relevant to their future personal wellness, living arrangements, financial planning and career path. Career Life Explorations will invite students to consider the impact of their personal and career choices on themselves and others. Students will explore personal development, connections to the community and career and educational life plans.

CAREER LIFE EDUCATION (XAT-CLE10-RVS)

This is the option for Career Life education class that is offered **online** at Matthew McNair Secondary School. Students choosing this option must be able to manage their time effectively to complete the course work. The online class will meet either during Flex or lunch time, and students will use an online platform to complete and submit assigned work.



CAREER LIFE CONNECTIONS AND CAPSTONE PROJECT

12 (XAT--12-CLC-RVS)

Career Life Connections is a **4-credit graduation requirement for all students in British Columbia** and is offered **online**. Students will receive a **percentage and letter grade** on their official transcript for CLC. Building on the foundations of Career Life Education, this course places greater emphasis on **career-life planning and career life development**. Students will explore the transition from secondary school to post-secondary studies, work, and adult life, developing the skills needed to manage these changes successfully. All student will **prepare and present a Capstone Project**, reflecting on their personal development and demonstrating their ability to apply learning, think critically, and articulate how they have learned to learn.

Home Economics

HOME ECONOMICS 8

This is a 6 week exploratory course in which all Grade 8 students will gain experience in the foods classroom and the textiles classroom. Students will engage in hands-on activities as they learn valuable skills in these areas.

TEXTILES 9/10 (MADT-09 / MTXT-10)

This course is designed to help students further develop their skills in hand and machine sewing. Students will complete a variety of samples and projects which will expose them to commercial patterns, allow them to make pattern alterations and use fitting techniques to produce garments that are comfortable and attractive. The principles of design and colour as well as characteristics of fibers will be considered in the selection of patterns and fabrics which will individualize student projects.

FOODS 9/10 (MADFS09 / MFOOD10)

This course is open to students who are interested in gaining up-to-date knowledge of the basic principles of food preparation, cookery, and nutrition for everyday life. It will allow students an opportunity to prepare, serve, and enjoy nutritious, appetizing recipes while employing time and resource management skills.

TEXTILES 11 (MTXT-11)

This is recommended for students who want to learn how to select clothing that suits their personality and figure type. They will learn how to individualize for and to develop advanced sewing skills so they can select almost any pattern and make a quality garment. Projects selected will involve such techniques as notched collars, linings, underlinings, and special types of seams and finishes. The number of garments will vary according to the complexity of the designs and the requirements of the fabric chosen.

TEXTILES 12 (MTXT-12)

This advanced course is designed for those with a sincere interest in fine-tuning their skills in sewing and in manipulating pattern pieces to create individual designs. Areas of emphasis include pattern design and sewing techniques that relate to fabrics requiring special handling, advanced sewing and tailoring techniques, combining and manipulating patterns to suit taste. Leather, lace, taffeta, velvets, fake furs and outdoor-wear fabrics will be explored and used in projects. The choice of projects will be determined by the design and

COMPUTER STUDIES 10 (MWBDV10)

fabrics students wish to explore. The number of garments will vary according to the complexity of the designs and the requirements of the fabric chosen. This course is a prerequisite for post-secondary courses in fashion design and fashion merchandising.

FOOD STUDIES 11 (MFOOD11)

Meals and special occasion meals and dishes will be planned and prepared using practical and theoretical knowledge of nutrition and the principles and techniques involved in both food preparation and meal planning.

FOOD STUDIES 12 (MFOOD12)

This course covers advanced techniques and knowledge in the area of foods and nutrition. Areas covered are: food preservation, comparative cookery, diet and disease, meal planning and preparation and international food study. Individual practice and responsibility are stressed in planning and preparing of high quality products. Written work relative to topics outlined is assigned. Evaluation is based on tests, written assignments, projects and labs.



(formerly Computer Programming Level 1)

Information Technology, Yearbook & Leadership

IT Level 1. This is an introductory course for students in Grade 9-12 who are interested in digital design opportunities using a variety of computer software. Main topics include photo editing, video-editing, 2-D animation, keyboarding and an introduction to computer programming. Additional topics may include AI, censorship, and Microsoft Office, but are subject to change based on classroom composition.

Note: Computer Studies 10 & Media Design 10 have the same level 1 curriculum.

MEDIA DESIGN 10 (MMEDD10)

(formerly Information Technology Level 1 – Media Design)

IT Level 1. This course is an introductory course for students in Grade 9-12 who are interested in digital design opportunities using a variety of computer software. Main topics include photo editing, video-editing, 2-D animation, keyboarding and an introduction to computer programming. Additional topics may include AI, censorship, and Microsoft Office, but are subject to change based on classroom composition.

Note: Computer Studies 10 & Media Design 10 have the same level 1 curriculum.

MEDIA DESIGN 11 (MMEDD11)

(formerly Information Technology Level 2 – Media Design)

IT Level 2. This course is for students in Grade 10-12 who have completed IT Level 1 (Computer Studies or Media Design 10) and are interested in digital media design. Students will have opportunities to create personal graphic designs using Adobe Illustrator and Figma. Students will learn about principles of design and balancing practicality with aesthetic design and the uses for Vector and Raster images in the graphic design world. Students will also design websites and pursue video editing.

COMPUTER PROGRAMMING 11 (MCMPR11)

(formerly Computer Programming Level 2)

IT Level 2. This course is for students in Grade 10-12 who have completed IT Level 1 (Computer Studies/Media Design 10) and are interested in computer science & web development. Students will learn about computational thinking and best practices for a programming language and website development. Students will have opportunities to learn and create

functional code that meet a particular purpose or user-defined goals.

COMPUTER PROGRAMMING 12 (MCMPR12)

(formerly Computer Programming Level 3)

IT Level 3 and beyond. This course is for students in Grade 11-12 who have completed an IT Level 2 course (Computer Programming/Media Design 11) and are interested in computer science or digital design. Students will learn more advanced computer programming concepts, principles of graphic design focusing on user-centered design and digital media editing tools. Students will continue to learn and conduct best practices for computer science including topics such as documentation and debugging. Opportunities for personalized projects will be available.

YEARBOOK 10, 11 and 12 (XAT--11-YB-RVS / XAT--12-YB-RVS)

Students require strong self-motivation, good time management and organizational skills as well as the ability to work in various teams. Students will meet with the teacher about once per week for an hour outside of the school timetable for planning and work sessions.

Students can be responsible for taking digital photos (DSLR cameras supplied), conducting interviews and quotes, designing, composing and editing pages as well as text, graphic art and other layouts.

Though not necessary, it would be beneficial if students have some prior knowledge of programs such as InDesign, Photoshop, Illustrator, Canva, Lightroom, or other art programs.

This course requires students to be available outside of regular class hours to attend sport events, student activities etc. The course runs from September to April and the culmination of the course is the proud production and distribution of the McNair yearbook fully designed and created by the students.

Information Technology, Yearbook & Leadership

LEADERSHIP 12

(XAT--11-LEAD-RVS / XAT--12-LEAD-RVS)

This course is intended to assist students in developing leadership skills and strategies. This course will include a variety of topics that will encourage an interactive, cooperative environment allowing students to explore skills learned in the classroom in real life situations. Project based learning will drive this course giving the students the opportunity to discover their own areas of interest. This course is open to Grade 11 and 12 students.

Note: This course will be offered as a linear (September-June) on-line course. Students who are taking this course will be required to meet a minimum of once a week either early in the morning, at lunch or after school. This will be determined once the course has started.

Mathematics

MATHEMATICS 8

In Math 8, students will improve their understanding of proportional reasoning, number operations, measurement, geometry, algebra, and financial mathematics through the ongoing development of the curricular competencies: reasoning & analyzing, understanding & solving, communicating & representing, and connecting & reflecting. Developing these curricular competencies will be the instructional focus in the course.

MATHEMATICS 9 (MMA--09)

In Math 9, students will improve their understanding of number operations, measurement, linear relations, polynomials, algebra, and financial planning through the ongoing development of the curricular competencies: reasoning & analyzing, understanding & solving, communicating & representing, and connecting & reflecting. Developing these curricular competencies will be the instructional focus in the course.

MATH 10 COURSES

McNair offers two math courses at the Grade 10 level that cover different topics in mathematics. **Most students should take FMP 10.** Only students intending to enter an apprenticeship program or who do not plan to attend a post-secondary institution should take WPM 10.

WORKPLACE MATH 10 (MWPM-10)

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 work force. Topics include algebra, two- and three-dimensional geometry, trigonometry, measurement, and financial literacy.

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 (MFMP-10)

This course is designed to provide students with the mathematical understanding and critical thinking skills identified for entry into most post-secondary programs, both those requiring calculus and those that don't. Students taking this course will decide whether to pursue Foundations of Math 11, Pre-Calculus 11, or both next year. Topics include two- and three-dimensional geometry, measurement, exponents, polynomials, coordinate geometry, and functions.

PRE-AP MATH 10 (MFMP-10-AP)

Prerequisite: Recommendation from Math 9 teacher

Please note: Pre-AP courses receive the same transcript credit as the mainstream course.

This course covers the curriculum of all of the Foundations and Pre-Calculus Math 10 along with some material from the Apprenticeship and Workplace Math 10 course with enrichment to preview Pre-Calculus 11 and 12. It is intended for students who received a mark of Proficient in Math 9 and are interested in deepening their mathematical understanding.

MATH 11 COURSES

McNair offers three math courses at the Grade 11 level. Please note that they do not represent "easier" or "harder" options. **Most students should take FOM 11.** Only students intending to enter an apprenticeship program or who do not intend to attend a post-secondary institution should take WPM 11. Only students intending to study Calculus at the University-level should take Pre-Calculus 11. If students are unsure of their plans, they may take as many Math 11 courses as they want (in the same way that students have the option of taking courses in more than one field of science). Students planning on studying the mathematical sciences in post-secondary should take both Foundations of Math 11 and Pre-Calculus 11.

Note: Students intending to write the SAT or participate in math contests for scholarship purposes should consider taking both Foundations of Math 11 and 12 and Pre-Calculus 11 and 12. Taken alone, neither of these two pathways covers the required material.

FOUNDATIONS OF MATH 11 (MFOM-11)

Recommended Prerequisite: MFMP-10

This course is designed for students who have passed Foundations of Math and Pre-Calculus 10. It focuses on topics in mathematics that will be most applicable for College and University programs that do not require calculus, including the Humanities and Social Sciences, and Fine Arts. **It is the appropriate course selection for most students**, including those intending to pursue post-secondary education as it covers a much wider range of topics than the Pre-Calculus 11 course, which only focuses on a narrow branch of mathematics. Topics will include measurement of area, surface area, and volume, Euclidean geometry including proofs, logical reasoning, systems of equations, quadratic functions, and statistics.

Mathematics

WORKPLACE MATH 11 (MWPM-11)

Recommended Prerequisite: MWPM-10

This course is only for students who have passed Workplace Math 10. It focuses on topics in mathematics that will be most applicable in jobs that do not require university-level training, including financial mathematics, geometry, volume and surface area, data representation, trigonometry, and linear relations. While Workplace Math 11 satisfies Ministry of Education graduation requirements, it may not be sufficient for entry into some post-secondary programs. Please check with your individual institutions for details.

PRE-CALCULUS 11 (MPREC11)

Recommended Prerequisite: "B" or higher in MFMP-10

This course is designed for students who have passed Foundations of Math and Pre-Calculus 10. It focuses on topics in mathematics that will be most applicable to **university programs that require calculus**, including Science, Math, and Engineering. Students not intending on pursuing a career in these fields should take Foundations of Math 11 as it offers a broader range of mathematical topics. Topics in Pre-Calculus 11 are limited to those required for Calculus, including absolute value, radical, quadratic, and rational equations and inequalities, polynomials, sequences and series, and trigonometric functions. Of the three Grade 11 courses, this course is the most abstract and has the least applications to most careers as it is a theoretical mathematics course. It satisfies the Ministry of Education graduation requirements, but may not be sufficient for entry into some post-secondary programs. Please check with individual institutions for details.

PRE-AP MATH 11 (MPREC11-AP)

*Suggested Prerequisite: "B" or higher in MFMP-10, and teacher recommendation. **Please note: Pre-AP courses receive the same transcript credit as the mainstream course.***

This course is designed for motivated students who have shown a high level of achievement in previous math courses. It will cover all the topics of Pre-Calculus 11 and some of the topics in Foundations of Math 11.

MATH 12 COURSES

FOUNDATIONS OF MATH 12 (MFOM-12)

Suggested Prerequisite: A or B in MFOM-11 or A in MFMP-10

This course is designed for students with a strong interest in mathematics outside the pre-calculus pathway. Topics include statistics, geometry, functional regression, set theory, fractals, combinatorics, and probability.

PRE-CALCULUS 12 (MPREC12)

Recommended Prerequisite: Minimum C+ in PREC 11

This course is for students who intend to continue their study of mathematics at the university or college level. It is a requirement for many post-secondary math, science, engineering, and business programs. Note that some non-math-based programs specifically require FOM 12 and not PREC 12, so students should check the entrance requirements of their post-secondary program of choice when selecting a Grade 12 math course. Topics include transformations of functions, radian trigonometry, polynomial functions, trigonometric proofs, combinatorics, and rational and radical functions.

PRE-AP CALCULUS 12 (MPREC12-AP)

Suggested Prerequisite: "B" or higher in PRE-AP Math 11

Please note: Pre-AP courses receive the same transcript credit as the mainstream course.

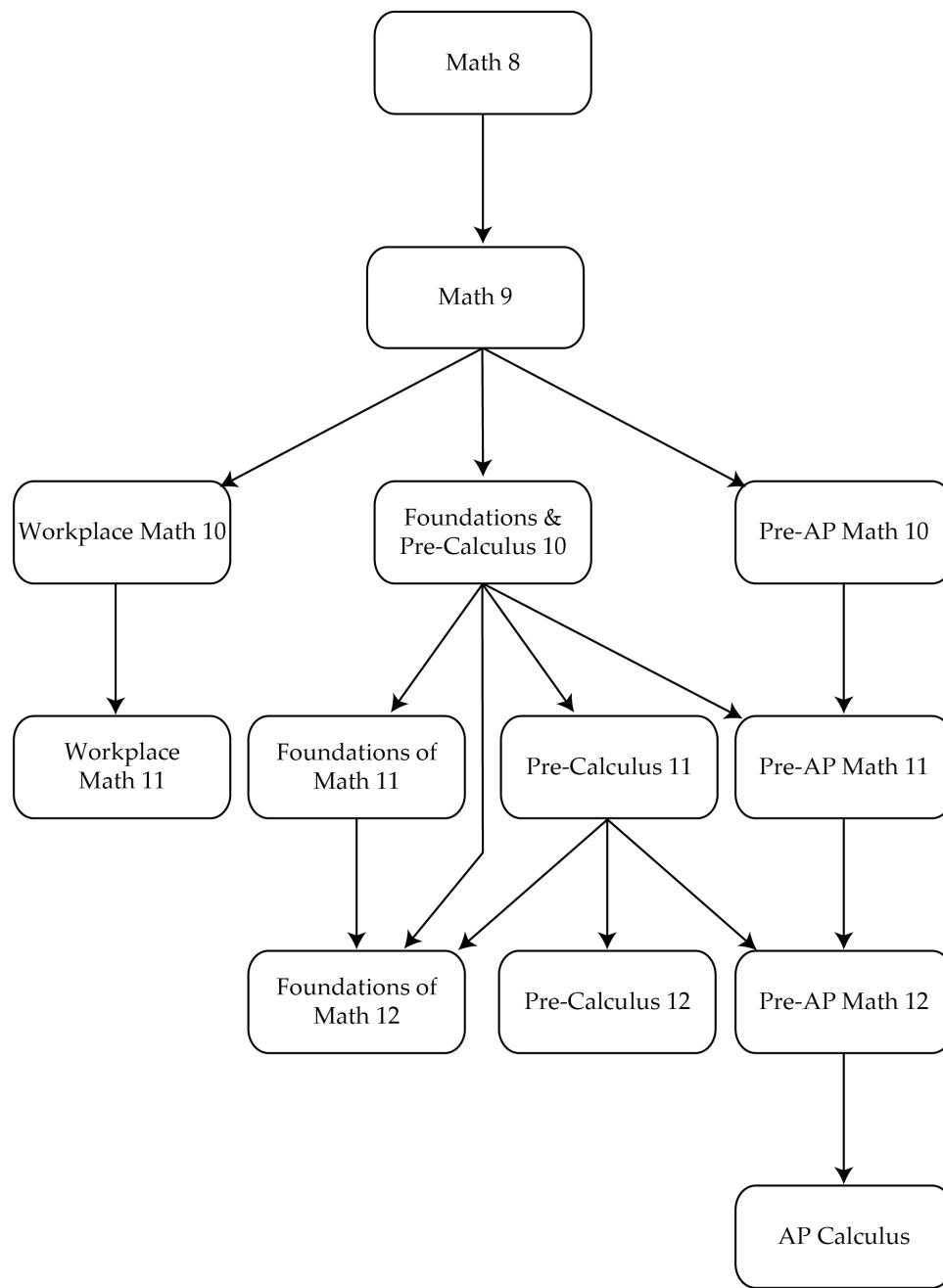
This course is for students who intend to continue their study of mathematics at the university or college level and who plan to take AP Calculus. It is a requirement for many post-secondary math, science, engineering, and business programs. Note that some non-math-based programs specifically require FOM 12 and not PREC 12, so students should check the entrance requirements of their post-secondary program of choice when selecting a Grade 12 math course. Topics include transformations of functions, radian trigonometry, polynomial functions, trigonometric proofs, combinatorics, and rational and radical functions.

AP CALCULUS (ACAL-12)

Recommended Prerequisite: Minimum C+ in MPREC12 must be earned before taking this course.

This course is designed for above-average students who have completed Pre-Calculus 12 and intend to take more mathematics at a post-secondary institution. Any student wishing to take any post-secondary science, as well as many business programs would benefit from AP Calculus in high school. The course deals with derivatives and integrals. It is roughly equivalent to the first semester of a first year university/college math course. A graphing calculator is required for this course, and may be borrowed from the school. This course is offered in the second semester only. Students will be prepared to write two optional exams to gain university credits while still in secondary school.

Math Course Pathway Progression



Modern Languages

FRENCH 8

Learn to communicate in French! This course teaches French at an introductory level, and uses situations and themes familiar to students to encourage authentic practice and connection to the language. Emphasis is placed on communication and speaking as well as common cultural practices. Students will create an interactive notebook to help relate to and organize their newly developed language skills.

FRENCH 9 (MFR--09)

Expand your knowledge and ability to speak and write in the target language. This is an opportunity for students to continue to develop their speaking and writing skills as well as their comprehension of the language. Themes will continue to be chosen based on creating a fun, authentic, engaging experience for language learning. Students will continue to add to their interactive notebook to help relate to and organize their newly developed language skills. French 9 classes will likely be split with French 10 to allow for greater flexibility in timetable scheduling.

SPANISH 9 (MSP--09)

A variety of learning activities are included, with emphasis on a creative approach to generating authentic written and oral communication in Spanish. A combination of reading, writing, viewing, listening, and speaking enables students to acquire a basic knowledge of Spanish language and culture quickly and effectively.

MANDARIN 9 (MMAN-09)

This course is for students with no or limited Chinese language experience. If you would like to have some fun learning the Chinese language and culture by learning how to cook and enjoy Chinese food and other hands-on activities – then this is the course for YOU! A system of writing Mandarin sounds using the English alphabet, known as “PINYIN” helps you to both read and speak this amazing language rapidly. Students will also be taught a limited number of Chinese Characters in addition to Pinyin Romanization System using the English Alphabet. Come and learn a language that is widely used in the Lower Mainland and prepare yourself for the future. Mandarin 9 classes will likely be split with Mandarin 10 to allow for greater flexibility in timetable scheduling.

FRENCH 10 (MFR--10)

This is an opportunity for the students to continue to expand on their communication and comprehension skills as well as work on developing the ability to share opinions and inquire on a variety of relevant topics. At this stage, the students will also be able to explore speaking in multiple tenses. Students will continue to add to their interactive notebook to help relate to and organize their newly developed language skills. French 10 classes will likely be split with French 9 to allow for greater flexibility in timetable scheduling.

SPANISH 10 (MSP--10)

Prerequisite: MSP--09

Spanish 10 builds upon knowledge gained in Spanish 9. This course will reinforce the skills learned in Spanish 9: listening, speaking, reading and writing. Emphasis is on perfecting pronunciation, mastery of the basic grammatical structures, and increased communicative proficiency through authentic situations.

MANDARIN 10 (MMAN-10)

Expand your knowledge of Mandarin and improve your ability to communicate in day-to-day situations. Students will continue to learn more about the Chinese culture and to build their vocabulary and expressions by using the English Alphabet in a Pinyin Romanization System as well as learn a limited number of Chinese characters. Mandarin 10 classes will likely be split with Mandarin 9 to allow for greater flexibility in timetable scheduling.

*If you have fluency in Chinese, you should enroll in MAN 11. If you are uncertain, please see Ms. Ao.

FRENCH 11 (MFR--11)

Recommended Prerequisite: MFR--10

As the students' knowledge and abilities increase, this course will allow them to talk about, question and give opinions on many common everyday life experiences such as relationships, family, sports, school, hobbies, media, culture and more. Students will be encouraged to take risks with their written and spoken output skills. The students' comprehension skills will be challenged and they will develop an increasing level of proficiency with reading and listening. Students will be asked to demonstrate their knowledge through project work both in individual and group forms. This is the course level required for entrance to some universities. French 11 classes will likely be split with French 12 to allow for greater flexibility in timetable scheduling.

Modern Languages

FRENCH 11 ONLINE (XAT--11-FR-RVS)

Recommended Prerequisite: MFR-10

This is an online course intended specifically for students who want to pursue French at the senior levels, but are unable to fit it into their regular course schedule. The topics and concepts studied are equivalent to those of the standard French 11 and 12 courses offered at McNair. Students will meet approximately once a week with the teacher for in-person speaking practice and assessments.

SPANISH 11 (MSP--11)

Recommended Prerequisite: MSP--10

This course continues the study of important basic vocabulary and sentence structure. Increased emphasis is placed on writing and reading, and on Hispanic cultural topics.

FRENCH 12 (MFR--12)

Recommended Prerequisite: MFR-11

This course serves as an opportunity for students to celebrate and synthesize all of the language skills acquired over the course of their exploration of French. By the end of this course, students should be equipped with the skills needed to express themselves at a basic level with a francophone setting. This could be a course required for several post-secondary programs. French 12 classes will likely be split with French 11 to allow for greater flexibility in timetable scheduling.

FRENCH 12 ONLINE (XAT--12-FR-RVS)

Recommended Prerequisite: MFR-11

This is an online course intended specifically for students who want to pursue French at the senior levels, but are unable to fit it into their regular course schedule. The topics and concepts studied are equivalent to those of the standard French 11 and 12 courses offered at McNair. Students will meet approximately once a week with the teacher for in-person speaking practice and assessments.

SPANISH 12 (MSP--12)

Recommended Prerequisite: MSP--11

Acquisition of speaking and writing skills is emphasized in this course. Spanish is studied through a thematic approach to contemporary Spanish and Latin-American culture and literature. Depending on demand, this course may not be offered every year.

MANDARIN 11 (MMAN-11)

Recommended Prerequisite: MMAN-10

This course is an in-depth study of Chinese language and culture. While the main focus and emphasis will be on language useful in day-to-day situations, plenty of opportunities will be given to improving and perfecting spoken Mandarin. Students will learn how to write Chinese characters in addition to the Pinyin Romanization System. Chinese culture will also be studied in depth. This is the course level required for university entrance.

MANDARIN 12 (MMAN-12)

Recommended Prerequisite: MMAN-11

This course will help you improve your knowledge of vocabulary, reading comprehension, and writing skills. Students will continue to study Chinese culture through hands on activities, projects and skits, with the emphasis on oral Mandarin.

Depending on demand, this course may not be offered every year. Mandarin 12 can be used for GPA admission calculations to post-secondary.

Performing Arts - Music

The philosophy of the McNair Music Department is: To encourage, motivate, offer insight, and pursue excellence through the study and performance of music. We advocate the exploration of goals, learning from all experiences, and the transference of gained knowledge to all other areas of life.

Through rehearsal and performance students can develop skills and attitudes that will assist them in acquiring skills that are technical, artistic and social that in turn will facilitate their participation in the world of music throughout their entire lives.

Students are offered the opportunity to prepare themselves to be both competent and reliable members within a variety of exciting performance groups. Membership in these groups calls for a strong character as well as strong musicianship. It is essential to respect oneself and others at all times.

Matthew McNair Secondary Music courses follow provincially prescribed curricula. Strong emphasis is placed on developing proficiencies that are useful and indeed recognizable in post-secondary musical endeavors of all kinds. Elements of this curriculum are common at all grade levels with an appropriate degree of mastery set for each level. Supplementary materials and activities such as small ensemble assignments and written reports will be added with increasing frequency as the grades progress.

All Ensembles members are expected to attend the Fall Music Department Retreat in October each year. All Ensembles will perform in the community and travel to perform at a variety of venues and festivals throughout the year. Students are expected to participate in all performances. All Ensembles will attend festivals for adjudication.

MUSIC 8

This is a 6 week exploratory course in which all Grade 8 students will gain experience in the fine arts subjects: Art, Drama, and Music. Students will spend one-third of a semester in each of the above areas of study. The music portion of Fine Arts will focus on guitar performance, basic music theory, rhythm, and listening.

Note: All bands are comprised of mixed grade levels. Placement is entirely upon the student's instrumental skill level.



JUNIOR CONCERT BAND (MMU--08-JB)

In this course, students will have the opportunity to continue their music studies progressing from an elementary band class or from private study. Various performance, listening, and music creation activities will be introduced through a rich selection of band literature. Beginners are welcome in the class, but should consult with the teacher before selecting an instrument. Any students electing to take Band 8 must take it in addition to the required Grade 8 course load. This credited course meets outside the regular school day, one day after school, one day at lunch per week.

INTERMEDIATE CONCERT BAND (MMU--09 / MMUCB10)

In this intermediate level course, students will continue to develop their creating, listening and performance skills through the study of more advanced literature.

Performance is stressed in this class and students will have many individual and group performance opportunities.

SENIOR WIND ENSEMBLE (MIMCB11 / MIMCB12)

This class will accept experienced Grade 10, 11 and 12 students to create a Senior Concert Band. Students should have completed at least two years of previous instruction. Those with less experience should consult with the teacher to ensure that they will gain a positive experience from this senior level ensemble. A wide variety of repertoire will be introduced in order to enable students to reach their full potential as musicians. Performance is required for this ensemble.

Performing Arts - Music

CONCERT CHOIR 9-12

(MMU--09-CHOIR / MMUCC10 / MMUCC11 / MMUCC12)

This course is open to all students in Grades 9-12. While previous singing experience is an asset, it is not a prerequisite. A wide variety of music styles will be introduced including traditional folk, show tunes, pop, jazz, madrigals and classical. Correct singing techniques and vocal health will be stressed. Performance is an integral element of the class. One auditioned piano player will be accepted into this course.

JUNIOR JAZZ BAND (MMU--09-JB / MMUJB10)

This course is designed to introduce and expand on the basic instrumental jazz concepts by studying various styles such as swing, ballad, Latin, fusion and jazz-rock. Improvisation will be introduced along with various jazz techniques needed to perform jazz. Solo performing, jazz combos and large ensemble playing will be studied during the year. Students should have completed at least 2 years of instruction in band before selecting this course. Jazz Band is strongly recommended to be taken in conjunction with concert band or string ensemble of the same level. This course teaches supplemental skills to our regular ensemble programs and does not address the same areas as those courses, but those skills are required in order to understand this course content.

JAZZ BAND 11 and 12 (MIMJB11 and MIMJB12)

Recommended Prerequisite: JR JAZZ BAND 9/10

This advanced Jazz band course is designed to expand on the basic instrumental jazz concepts introduced in the Junior Jazz Band course. More jazz styles will be studied as well as repertoire of Jazz standards. Jazz combos, solo performing, and large ensemble playing will all be studied during the term. A greater depth of improvisation skills will be introduced along with various advanced jazz

techniques needed to perform in each of the various styles. There is a focus on performance and jazz theory. Jazz Band is strongly recommended to be taken in conjunction with concert band or string ensemble of the same level. This course teaches supplemental skills to our regular ensemble programs and does not address the same areas as those courses, but those skills are required in order to understand this course content.



ORCHESTRAL STRINGS 8-12

(MMU--09-STRINGS / MMUOR10 / MMUOR11 / MMUOR12)

Violin, viola, cello and string bass players of any level are welcome. Bowing techniques, orchestral ensemble playing and performance techniques will be studied through a wide variety of music. Listening skills will be strongly emphasized through organized field trips and study of famous string players. Performances will be an important element of this course. Instruction is offered to beginner string players and those with little or no experience are encouraged to enroll. One auditioned piano player will be accepted into this course.



Performing Arts - Theatre

McNair has long been recognized as having one of the largest and most successful theatre programs in the Richmond School District. We take pride in cultivating excellence by drawing on professionals from the theatre community to work alongside and mentor our students. Many of our students have gone on to attend the most illustrious theatre schools in North America, and have gone on to have successful careers in Film, TV, Theatre and Voice.

Along with our strong focus on performance, Theatre McNair also offers hands-on technical training for those interested in working behind the scenes. We proudly offer Stagecraft 11/12 as a stand-alone course. Our theatre is equipped with state-of-the-art technology, used in most major theatres across North America. This practical experience enriches our students and prepares them to work in the professional world. As a result, many of our graduates have moved on to work behind the scenes as designers and technicians alike.

DRAMA 8

As part of the Grade 8 elective wheel, Drama 8 is a six-week, crash course in basic theatre skills. Students will learn to collaborate, and problem solve in groups. Drama 8 is a participation-based course where students will build their self-confidence, self-awareness and public speaking and presentation skills through imaginative, creative play. The focus is on team building, participation, creativity and critical thinking.

DRAMA 9 (MDR--09)

In Drama 9, students will build upon the skills introduced in Drama 8. **The key word is STORYTELLING.** This course is designed to develop awareness, confidence and self-esteem, through artistic collaboration and creative play. Though games and activities, students will learn to problem solve and gain greater self and social awareness. The course is not performance based; rather the emphasis is on participation and creative play. Units of study include radio plays, play-building and stage combat.



DRAMA 10 (MDRM-10)

Through planned, purposeful play, students will explore various topics concerning the world around them. **The key word is CHARACTER.** Drama 10 provides a means for high level reasoning and problem solving as well as opportunities to gain insight into perspectives and experiences of people from a variety of times, places, and cultures. Students will develop their self-confidence, concentration, body awareness, imagination, teamwork, leadership and critical thinking skills. Units of study include characterization, play building and basic video production.

DRAMA 11 (MDRM-11)

Prerequisite: None

Acting 11 shifts the focus from creative exploratory play to more technique-based performance. Students will develop the skills necessary to script work such as interpretation, characterization and critique and will also create and perform their own material. New fields of study include mask work, make-up application, scripted monologue, scripted scene work and video production. Only self-motivated and disciplined students should enroll.

DRAMA 12 (MDRM-12)

Prerequisite: Drama 11

This course is designed for those students interested in learning the finer points and techniques of performance and further developing their own artistic voice. It allows students to explore various styles of classic theatre and techniques including Greek, Shakespearian and Contemporary. Other units offered are film production and solo show creation. This course will prepare serious theatre students for post-secondary theatre training and/or work.

Performing Arts - Theatre

STAGECRAFT 11 (MDRTP11)

Prerequisite: None

An introductory course designed to allow students to study the technical aspects of theatre such as set design, costume design, lighting design, make-up techniques and set construction. Students will learn skills in basic carpentry, costuming, painting and more. Knowledge gained in this course may be put into practice by working on the technical crew of school productions. Units include Haunted House Design, Technical Scenes and props design and construction. Students should note that great emphasis in this course is placed on participation, self-discipline and problem solving.

STAGECRAFT 12 (MDRTP12)

Prerequisite: MDRTP11

This course is a continuation of Stagecraft 11 with an emphasis on leadership and developing creative voice. Students are expected to take on a leadership role in the daily routines of the theatre. This may include set construction, costume construction, prop building and theatre management. Students are required to be involved in the crew of one of our theatre productions. This is a very hands-on, practical course and self-discipline and self-motivation are essential for success.

DIRECTING & SCRIPTWRITING 12 (MDRDS12)

Prerequisite: Drama 12 and Instructor Permission

This course is taught in a non-traditional manner. The class will be run in a collaborative professional workshop environment where students are required to share and participate fully in the theatrical production process. Students develop, firsthand, a language for the stage in their writing which can be read by those directing it. Students will be required to both write and direct a one

act play or film production. Final projects will be performed or shown in the setting of a one-act festival.

THEATRE COMPANY 11 & 12 (MDRTC11/MDRTC12)

Prerequisite: Instructor Permission

This course is designed to let allow students to experience the reality of theatre production from every perspective. Students will work alongside theatre professionals to gain practical experience. Each student must complete a minimum of 120 hours of work. This course is extracurricular and coincides with various theatrical productions. Course enrolment is limited and requires instructor approval. See Mr. Soriano for more information.



Physical & Health Education

PHYSICAL & HEALTH EDUCATION 8

The Physical and Health Education 8 (PHE 8) curriculum aims to empower students to develop a personalized understanding of what healthy living means to them as individuals and members of society in the 21st century. The PHE curriculum focuses on well-being — the connections between physical, intellectual, mental, and social health. This class will promote a deeper and more holistic understanding of overall health and well-being in students.

PHYSICAL & HEALTH EDUCATION 9 (MPHE-09)

The Physical and Health Education 9 (PHE 9) program will continue progressions developed in grade 8. The PHE 9 curriculum aims to empower students to develop a personalized understanding of what healthy living means to them as individuals and members of society in the 21st century. The PHE curriculum focuses on well-being — the connections between physical, intellectual, mental, and social health. This class will promote a deeper and more holistic understanding of overall health and well-being in students.

PHYSICAL & HEALTH EDUCATION 10 (MPHE-10)

The Physical and Health Education 10 (PHE 10) program will continue progressions developed in PHE 8 and 9. The PHE 10 curriculum aims to empower students to develop a personalized understanding of what healthy living means to them as individuals and members of society in the 21st century. The PHE curriculum focuses on well-being — the connections between physical, intellectual, mental, and social health. This class will promote a deeper and more holistic understanding of overall health and well-being in students.



ACTIVE LIVING 11 (MACLV11)

Active Living 11 (formerly PE 11) provides opportunities to be physically active and develop skills in several areas including team sports, individual sports, the weight room, teamwork, and leadership. This course empowers students for a personalized understanding of healthy living, focusing on the interconnected aspects of physical, intellectual, mental, and social well-being.

Students will also learn to maintain healthy habits, recognize and change unhealthy behaviors, and advocate for safety and well-being.

ACTIVE LIVING 12 (MACLV12)

Recommended Prerequisite: Active Living 11

Active Living 12 (formerly PE 12) will continue progressions

developed in Active Living 11. The Active Living curriculum provides opportunities to be physically active

and develop skills in several areas including team sports, individual sports, the weight room, teamwork, and leadership. This course empowers students for a personalized understanding of healthy living, focusing on the interconnected aspects of physical, intellectual, mental, and social well-being. Students will also learn to maintain healthy habits, recognize and change unhealthy behaviors, and advocate for safety and well-being.



WOMENS' FITNESS 11/12

(MFTCD11-WOMEN / MFTCD12-WOMEN)

The focus of this course is to encourage young women to lead a healthy and balanced lifestyle that includes exercise, nutrition, and physical/emotional/mental well-being. Students will be introduced to lifetime pursuits and leisure activities such as team and individual sports and non-traditional activities such as aerobics, yoga, power walking, and cycling. This is a great opportunity to fulfill your requirement for graduation and learn how you can lead a healthy, balanced life after high school.

FITNESS AND CONDITIONING 11/12

(MFTCD11-AM / MFTCD12-AM)

In this course, you'll develop foundational movement patterns—pushing, pulling, pressing, squatting, and hinging—that are essential in sports and maintaining physical health. These movements will be paired with targeted focus on speed, agility, and mobility to help develop an athletic foundation. The class will run every other day as an early morning class starting at 7:00am.

SCIENCE 8 (MSC—08)

In Science 8, an engaging exploration of foundational scientific concepts, students will actively develop science inquiry skills and enhance scientific literacy through hands-on laboratory experiments and comprehensive lab reports. The curriculum also includes stimulating inquiry projects, collaborative group presentations, and assessments to reinforce understanding. Join us on this dynamic journey to cultivate a passion for scientific exploration and critical thinking.

Topics Covered Include: safety, the scientific method, life processes within cells, behavior of matter, light energy, and plate tectonics.

SCIENCE 9 (MSC--09)

In Science 9, a captivating exploration of fundamental scientific principles, students will actively develop science inquiry skills through engaging hands-on laboratory experiments, projects, and detailed lab reports. Additionally, the curriculum includes inquiry projects, informative presentations, and assessments, providing a comprehensive approach to fostering scientific literacy and critical thinking. Join us on this dynamic journey as we uncover the intricacies of the natural world and the interplay of its diverse components.

Topics covered Include: safety, the scientific method, cellular reproduction, electron arrangement of atoms, electric current, and the interconnection between the biosphere, geosphere, hydrosphere, and the atmosphere.

SCIENCE 10 (MSC--10)

In Science 10, an exploration of diverse scientific realms, Students will actively cultivate science inquiry skills through hands-on laboratory experiments, activities, and detailed lab reports. The curriculum offers a comprehensive approach to scientific literacy, with regular engagement in inquiry projects, presentations, quizzes, and tests. Many of the skills and content knowledge learned in this course are necessary for success in the senior Sciences. Join us on this enlightening journey, where we delve into the intricacies of genetics, chemical processes, and the cosmic forces shaping our universe.

Topics covered Include: safety, the scientific method, genetics, chemical reactions, the law of conservation of

energy, and the formation of the universe.

BIOLOGY 11: LIFE SCIENCE (MLFSC11)

Recommended Prerequisite: Science 10

Biology 11 offers an engaging journey into the incredible ways that life on Earth has managed to endure and evolve for millions of years. Prepare to roll up your sleeves and dive in as we explore the tree of life through dynamic hands-on **dissections** and thought-provoking class discussions.

From the earliest single-celled organisms to the complex plants, fungi — animals and even the humans reading this description — students will trace the remarkable progression of life across Earth's history and gain appreciation for how evolutionary forces have shaped the extraordinary diversity of forms and strategies seen in living things today. By the end of the course, even a simple stroll outdoors will hold new layers of insight and wonder.

Throughout the semester, students will be introduced to the essential relationship between structure and function, gaining important foundational knowledge of the biological systems that will prepare them for the deeper detail and complexity of **Anatomy and Physiology (Biology 12)** as well as post-secondary studies in the biological sciences, should they choose to pursue them.

Topics Covered Include: lab safety and processes of biological research, taxonomy, evolution, microbiology (bacteria, protozoa), plant biology (algae, moss, ferns, gymnosperms, angiosperms), and animal biology (sponges, jellies, worms, mollusks, echinoderms, chordates).

BIOLOGY 12: ANATOMY AND PHYSIOLOGY (MATPH12)

Prerequisite: It is strongly recommended that students take Life Science 11 and Chemistry 11 before taking Anat & Phys. 12

In Biology 12 (Anatomy and Physiology) we will build on key ideas from **Biology 11** (Life Sciences) to explore the intricate workings of the human body and the remarkable processes that allow us to sustain life. Through immersive hands-on dissections, compelling case-studies and focused explorations of various diseases, students will gain a deeper understanding of how the structures and functions keep our body operating — and what happens when they don't.

This course is your ticket to understanding the inner workings of the body's systems — from the nervous and the cardiovascular systems to the muscular and skeletal system. With each dissection, a new layer of knowledge

about the marvel that is the human body will be unveiled. Anatomy and Physiology 12 challenges you to build upon and move beyond the foundational ideas introduced in Life Sciences 11, guiding you towards a comprehensive understanding of the complex relationships between the structures and functions within biological systems and the ability to provide thoughtful, well-reasoned explanations of them.

By the end of the course, you will not only be prepared for any related post-secondary studies, but you will also be equipped with meaningful insights into your own body and knowledge that can empower you to make informed decisions about your own health.

Topics Covered Include: lab safety and process of biology, cell biology – compounds, biological molecules, DNA, protein synthesis, enzymes and membranes, and human biology – covered by the systems that carry out digestion, circulation, respiration, excretion, reproduction, and immune nervous function.

CHEMISTRY 11 (MCH-11)

Recommended Prerequisite: Science 10 and Math 10

In Chemistry 11, we embark on a journey to understand chemical concepts that shape the world around us. This course offers hands-on laboratory experiments where we will be introduced to essential laboratory techniques and safety. Students will begin by building on skills covered in previous years and are introduced to the secrets of atomic structure, bonding, and chemical reactions. Join us to ignite your curiosity and to enhance your engagement with the physical world around you.

Topics Covered Include: lab safety, properties of matter, inorganic and organic naming, the mole concept, chemical reactions, the periodic table, atomic structure, and chemical bonding.

CHEMISTRY 12 (MCH-12)

Recommended Prerequisite: Chemistry 11 and Math 11, C+ or higher marks in both subjects are strongly advised.

In Chemistry 12, we delve into an exploration of the chemical reactions that shape our surroundings. Discover the fascinating concept that these chemical reactions are reversible, interconnected, and constantly seeking equilibrium. We will dive into an exciting journey through reaction kinetics, chemical equilibria, solubility, acids and bases, and electrochemistry. Engage in hands-on laboratory experiments to master analytical techniques and safety procedures. Join us in Chemistry 12, where curiosity meets discovery, and the magic of

chemical reactions comes to life!

Topics Covered Include: reaction kinetics, equilibrium, solubility, acid-base chemistry, and electrochemistry. Students will have the opportunity to complete practical laboratory experiments to reinforce these concepts.

PHYSICS 11 (MPH-11)

Recommended Prerequisite: Science 10 and Math 10, C+ or higher marks in both subjects are strongly advised.

In Physics 11, we cover key topics essential for understanding the physical world and the universe. We start by exploring the principles of motion, velocity, and acceleration, and progress to Projectile Motion, where we will analyze the trajectory of a basketball or volleyball. Next, we delve into the causes behind the changes in motion, and extend your knowledge to Energy, examining the currency for our Universe. We enter the modern age and study electrical theory that is inherent to devices such as cell phones, televisions, computers. By looking at evidence and making quantitative measurements, physics can help predict behaviour in the future! This course blends theoretical understanding with practical applications, fostering problem-solving skills crucial for scientific and engineering pursuits. Engage in quantitative analysis, discovery activities and engineering challenges, applying physics concepts to real-world scenarios and enhancing your logical reasoning skills. Join us on an inspiring journey into understanding the laws of the Universe.

Topics Covered Include: kinematics, projectile motion, interception, forces, Newton's laws, energy, heat, waves, and electric circuits

PHYSICS 12 (MPH-12)

Prerequisite: Physics 11, C+ or higher mark is strongly recommended.

In Physics 12, we expand upon the foundational concepts learned in Physics 11 to new problems. From analyzing the interaction of forces between tiny particles to the celestial orbit of planets, Physics 12 explores the laws that govern the Universe. We analyze the relationships of space and time and discuss ways for intergalactic travel and investigate the possibility of time travel as well as learning about the invisible fundamental forces of nature that shape matter. Physics concepts are not just purely theoretical; our society uses many applications of physics. We will inspect structural systems to determine stability and examine the motion of amusement park rides before ending with learning about motors, generators and transformers, and their applications to the electrical power grid. Physics 12 challenges you with new content areas,

fostering a deeper understanding of interconnected physical phenomena and their applications, enhancing problem-solving skills, and preparing you for advanced scientific and engineering pursuits.

Topics Covered Include: Special relativity, equilibrium, universal gravitation, circular motion, momentum, electrostatics, and electromagnetism

SCIENCE FOR CITIZENS 11 (MSCCT11)

This applied science course is designed for students who are not planning to attend a post-secondary institution. It may be used as a compulsory science course for graduation but is not acceptable for university entrance. It will provide students with opportunities to develop an appreciation of the interactive nature of science and technology, through gaining knowledge of technologies as an application of science in our daily lives, in the workplace, and in global systems.

ENVIRONMENTAL SCIENCE 11 (MEVSC11)

Welcome to Grade 11 Environmental Science, where our focus is on understanding the intricate relationship between humans and the environment. Dive into a course that goes beyond textbooks, emphasizing hands-on project-based learning that explores the impact of human activities on our planet. From investigating pollution sources to studying conservation strategies, you'll actively engage in projects that address real-world environmental challenges. Discover the importance of sustainable practices and conservation efforts aimed at preserving biodiversity and ecosystems. This course is your opportunity to be an environmental scientist, tackling issues such as climate change, deforestation, and pollution through collaborative, project-driven learning. Join us on a journey where your ideas and actions contribute to a greener, more sustainable future.

Note: Environmental Science 11 is worth 4 science credits to satisfy Graduation Elective Requirements.

ENVIRONMENTAL SCIENCE 12 (MEVSC12)

Recommended Prerequisite: Environmental Science 11

This applied science course provides students with the opportunity to learn in an experiential way the concepts, skills, and attitudes needed to understand the practices and issues related to water systems, global climate systems, sustainable land use, and living sustainability. The ultimate goal of Environmental Science 12 is to

learn how human populations interact with our environment in global systems. A secondary goal is to support students to find viable ways to diminish our ecological footprint by becoming environmentally responsible global citizens who support their society, employers, and governments. Students will be assessed based on the new core and curricular competencies.

Note: Environmental Science 12 is worth 4 science credits to satisfy Graduation Elective Requirements.

AP CHEMISTRY 12 (ACHE-12)

AP Chemistry is an intensive course designed for students planning on entering science-based programs at a university/college. It is delivered at a level equivalent to that of a first-year university course. At the end of the course, students should write the Advanced Placement exam. Those who do well (score 4 or 5 on the exam) may apply for course credits at most Canadian and American universities. The course has specific topics not covered by the provincial curriculum: thermodynamics, colligative properties, organic reactions, and molecular orbital bonding. **Students planning on taking AP Chemistry should be highly motivated and have received at least a B in Chemistry 11 and will be taking Principles of Math 12 and Chemistry 12 concurrently.**

AP BIOLOGY 12 (ABIO-12)

AP Biology is an intensive course designed for students planning on entering a science program at a university/college. It is delivered at a level equivalent to that of a first-year university course. At the end of the course, students should write the Advanced Placement exam. The course is divided into the three general areas of "Molecules and Cells", "Heredity and Evolution", and "Organisms and Population". The specific topics covered overlap somewhat with the provincial curriculum, but there are several topics unique to the AP Biology course. Those who do well on the latter may apply for course credits at most Canadian and American universities. **Students planning on taking AP Biology should be highly motivated and have received at least a B in Biology 12, Chemistry 12, and Principles of Math 11, or be taking them concurrently.**

AP PHYSICS 12 (MPH--12 & APHH-11)

AP Physics is an intensive course designed for students planning on entering science-based or engineering programs at a university/college. Students should choose either AP Physics or Physics 12. Students who successfully complete AP Physics will be given credit for Physics 12 as well. This course is delivered at a level and pace equivalent to that of a first-year university course. At the end of the course, students should write the Advanced Placement exam. Those who do well (score 4 or 5 on the exam) may apply for course credits at most Canadian and American Universities. The topics for this course include: Thermodynamics, electrostatics, Circuits, Electromagnetism, Optics, Waves, and Nuclear/Quantum Physics. ***Students planning on taking AP Physics 12 should be highly motivated and have received at least a B in Physics 11 and will be taking Pre-Calculus 12 concurrently.***

Social Studies

SOCIAL STUDIES 8 (MSS--08)

Social Studies 8 examines the development of our world from the 7th Century to 1750 through the Dark Ages, the Middle Ages, the Renaissance and the Age of Exploration. Students are encouraged to be active informed citizens who can think critically, understand and explain the perspectives of others, make judgements and communicate ideas effectively. The geography portion of this course will emphasize the use of mapping skills, interpretation of charts, graphs and tables and the understanding of geographic terminology.

SOCIAL STUDIES 9 (MSS--09)

Social Studies 9 is a course that invites students to explore and discover Canada's beginnings and how the European concepts of revolution, nationalism and imperialism have created this country. Students will study these concepts with respect to the revolutions in England, France and the United States. Students will also examine how nationalism and imperialism affected the aborigines and helped establish the roots of Canada as well as the development of Confederation. In studying these concepts, students will be encouraged to develop an appreciation of democracy and what it means to be a Canadian; demonstrate respect for human equality and cultural diversity and to think critically about various situations presented.

SOCIAL STUDIES 10 (MSS--10)

The theme of the course is Canada in a changing world. The history component focuses on twentieth century Canada with emphasis on the Canadian political system, social and economic change and Canada's role in world affairs. The geography section while continuing to develop basic geography skills, emphasizes such topics as resource management, population, food production, urbanization and the impact of technology.

20TH CENTURY WORLD HISTORY 12 (MWH--12)

History 12 is a senior elective in Social Studies. It is a twentieth century world history course covering events from 1919 to 1991. The historical chronology and context will be viewed through five major themes: geopolitical events, social changes, economic and technological developments, and the role of the individual in history.

PHYSICAL GEOGRAPHY 12 (MPGEO12)

Physical Geography 12 is a course with emphasis on such topics as the earth's surface, landforms, soils, vegetation, land use, climate and weather. This course will also offer a brief introduction to a variety of human geography concepts such as: behavioural and spatial geography as well as urban geography.

SOCIAL JUSTICE 12 (MSJ--12)

Social Justice 12 is a provincially approved course. The aim of Social Justice 12 is to raise students' awareness of social injustice, to enable them to analyze situations from a social justice perspective, and to provide them with knowledge as well as ethical and philosophical reasoning skills by exploring issues of injustice in a local and global context. Students will examine inequality and injustice based on various social factors, and will work to invoke change to become ethical and socially responsible global citizens. Topics include: media, genocide, poverty, consumerism, propaganda, child labour, homophobia, human rights, women's rights, racism, globalization, and environmentalism. Social Justice 12 promotes the pursuit of social justice as an important responsibility for all, and provides opportunities for students to examine models of social injustice in their community.

BC FIRST PEOPLES 12 (MBCFP12)

BC First Peoples 12 looks at how the identities, worldviews, and language of BC First Peoples are renewed, sustained, and transformed through their connection to the land. Students will investigate how the impact of contact and colonialism continues to affect the political, social, and economic lives of BC First Peoples. Students will study how cultural expressions convey the richness, diversity, and resiliency of BC First Peoples. Students will gain an understanding of how, through self-governance, leadership, and self-determination, BC First Peoples challenge and resist Canada's ongoing colonialism.

This course meets the graduation requirement to have 4 credits in an Indigenous Focused course, **AND** the Social Studies 11 or 12 elective requirement for the Graduation program for all students graduating in BC.

Social Studies

LAW STUDIES 12 (MLST-12)

Law 12 includes an introduction to the Canadian legal system with emphasis on criminal law, family law, and contract law. The Canadian court system, torts, wills and estates, and the criminal justice system are part of the course. In order to develop an understanding of the court system, students will observe both provincial and federal courts and conduct a mock trial. There will be guest speakers including the police, lawyers, and offenders.

Technology and Trades Education

APPLIED SKILLS 8

This is a 6 week exploratory course in which all Grade 8 students will gain experience in the applied skills subjects of Technology Education, Business Education, and Home Economics. Students will spend one third of a semester in each of the areas of study. In the Technology Education area you will learn about the subjects CADD, Animation, Woodwork, and Metal Work.

APPLIED TECHNOLOGY AND ROBOTICS – Level 1 (MADER09 / MTEAR10)

This course is open to all students in Grades 9 to 12.

This course is project based and incorporates learning through designing and building. The projects assigned will be based on the theme of robotics. The course will take place in a workshop and the CADD Lab. Students will be taught how to design and build a variety of projects that will allow them to participate in a series of competitions that will demonstrate the effectiveness of their solution. Students will have a chance to experience working with wood, sheet metal, 3D printers, microcontrollers and a wide variety of tools.

APPLIED TECHNOLOGY AND ROBOTICS – Level 2 (MTROB11)

Recommended Prerequisite: Applied Tech Level 1 or Teacher approval

In this course students will continue to learn about robotics and related structures. Students will be introduced to more advanced concepts and be presented with additional difficulties when designing a solution for their problem-solving projects. Level 2 incorporates all of the skills learned in Level 1 and seeks to add additional learning through modern technologies (coding, microcontrollers, automated vehicles such as drones, RC cars, etc.).

APPLIED TECHNOLOGY AND ROBOTICS – Level 3 (MTROB12)

Recommended Prerequisite: Applied Tech Level 2 or Teacher Approval

In Level 3, students will continue to create projects and incorporate all of the skills they have learned from previous experiences. Level 3 students will be introduced to additional skills required for advanced projects which are specific to Engineering, Architecture or Industrial Design. Students will be tasked to solve a personal inquiry problem through the creation of a project that will allow them to improve their problem solving, creativity, and ability to experiment. Potential projects include: arcade building, scaled building prototypes and advanced robotics.



Technology and Trades Education

3D COMPUTER ANIMATION & DRAFTING LEVEL 1 (MADD-09 / MTDRF10)

This course is open to all students in Grade 9 to 12.

This is an introductory course in Computer Assisted Drafting, Design and Animation. The projects are fun and practical. Using the school's Windows computer lab, you will learn to use professional software such as AutoCAD, 3DS Max, and Inventor. You will also be using the 3D printer to create models of your designs and creations. This is a great course if you are interested in careers in Architecture, Computer Animation, Graphic Design, Engineering or Construction.

3D COMPUTER ANIMATION & DRAFTING LEVEL 2 (MTDRF11)

Recommended Prerequisite: CADD Level 1 or Teacher Approval

In this course students will continue their studies in CADD with more advanced projects in using AutoCAD and 3DS Max. This course is divided into 2 parts. During Part 1, you will learn more about technical drawing and animation. In Part 2, you will choose to do further work in either Computer Animation or Architecture. In Computer Animation, your assignments typically include creating a computer generated city, a walk-through of a room, an advertising animation, and telling a short story. In Architecture, you will create a house design and build a scale model to show this design.

3D COMPUTER ANIMATION & ARCHITECTURE LEVEL 3 (MTDRF12)

Recommended Prerequisite: CADD Level 2 or Teacher Approval

In this course you will choose to work on advanced projects in either in Animation or Architecture.

In the ANIMATION course, you will continue to work on projects that will advance your skills in Computer Animation and Computer Modelling. Students will create animations, computer models, and video presentations using 3DS Max, Adobe Premiere, and Adobe Photoshop. Students in this course will gain hands on experience related to computer animation, computer gaming, television, and movie production careers.

In the ARCHITECTURE course you will be using advanced AutoCAD techniques to develop a full set of Architectural drawings for a home of your own design, and then create a scale model of your home. The skills learned in this course are directly beneficial for students entering Architectural and Interior Design, Construction, and Engineering.

3D COMPUTER ANIMATION & ARCHITECTURE LEVEL 4 (MENR-12)

Recommended Prerequisite: CADD Level 3 or Teacher Approval

This course is intended for advanced students who want to design their own CADD projects and work at a self-paced rate. In consultation with the teachers, you will continue working in your area of interest (Engineering Design, Animation or Architecture) and further develop your skills to a more professional standard. You will also be expected to create scale models of your projects, and/or 3D Printed models and assemblies.

METAL ART LEVEL 1 (JEWELRY AND METALWORK) (MADM-09 / MTMET10)

This is open to all students in Grades 9 to 12.

Metal Art is a project based course where students learn how to make constructed and cast jewelry, and creative metal structures. Basic skills such as sawing, piercing, bending, copper enameling and casting will be covered. Evaluation will be based on knowledge of procedures covered, project quality, variety and originality of designs.

METAL ART LEVEL 2 (JEWELRY AND WELDING) (MTMET11)

Recommended Prerequisite: Metal Art Level 1 or Teacher Approval

In Metal Art Level 2, you will continue to work on projects of constructed and cast jewelry pieces, and the creative use of metal forms. You will also begin to work on larger projects using sheet metal, welding, machining and casting in aluminum. Evaluation will be based on knowledge of procedures covered, project quality, variety and originality of designs.

METAL ART LEVEL 3 (MACHINING AND SHEET METAL) (MTMET12)

Prerequisite: Metal Art Level 2 or Teacher Approval

In Metal Art Level 3, you will work on advanced projects and focus on designing and building projects of your own. Project examples include Jewelry, such as rings, pendants and earrings; Outdoor Art such as lawn ornaments, signs, and structures; Functional Art, such as picture frames, jewelry boxes, and wall hangings. Evaluation will be based on knowledge of procedures covered, project quality, variety and originality of design.

Technology and Trades Education

WOODWORKING LEVEL 1 (MADW-09 / MWWK-10)

This is open to all students in Grades 9 to 12.

Woodworking Level 1 is an introductory course in woodworking. The course will cover safety in the workshop, proper tool and equipment handling. Students will build a foundation of safe work habits through learning the fundamentals of hand tools and basic machine operations. Students will have an opportunity to build a variety of projects and will learn to apply the design process, reading and developing working drawings, measurement, cost and layout of material. Level 1 Woodworkers will build a variety of smaller projects in order to build confidence with tools and equipment that will lead to future successes.

WOODWORKING LEVEL 2 (MWWK-11)

Recommended Prerequisite: Woodworking Level 1 or Teacher Approval

In Woodworking Level 2, students will be tasked with continuing their safe work habits and learn advanced woodworking techniques to create complex projects. Students in Level 2 can expect to learn advanced joinery (mortise and tenon), additional finishing techniques (spray stains), maintenance of tools (sharpening), and theory of design (ergonomics). Level 2 students are expected to communicate their designs through working drawings, and re-visit their projects during the design cycle to create larger scale projects, such as furniture and household accessories.

WOODWORKING LEVEL 3 (MWWK-12)

Recommended Prerequisite: Woodworking Level 2 or Teacher Approval

Students in this course have demonstrated strong technical skills when working with wood and would like to continue their studies in this class to increase their mastery of skills and techniques. Students in Level 3 are expected to design their own projects on larger scales, and apply the design process to each stage of creation. Level 3 students will also be taught advanced techniques which may be applied in industry careers such as construction, joinery, or carpentry.

YOUTH EXPLORE TRADES SKILLS (MSTX-12)

This is open to all students in grades 10-12

Youth Explore trades skills is your chance to get hands-on, try real tools, and see what life in the trades is actually like. You'll be building, creating, problem-solving, and learning skills you can use long after high school.

In this course, you might get a taste of several trades – like carpentry, metalwork, automotive, electrical, and design – while learning how to work safely and confidently in a shop environment. Every task helps build real skills: teamwork, troubleshooting, creativity, and independent thinking.

Whether you're interested in a future apprenticeship, want to explore career options, or just like making cool things, this class gives you the freedom to try new tools, learn by doing, and discover what you're capable of. It's a hands-on course, a chance to build your confidence, and a fun way to explore the world of trades.

AUTOMOTIVE TECHNOLOGY LEVEL1 (MTAUT11)

This course is designed to accommodate Grade 10 to 12 students with little or no practical experience in the automotive area. The automotive theory includes engine operation, exhaust and brake systems, power train, as well as steering and suspension components. The course will take students through the different functions of automobiles in simple terms so students with no previous car knowledge can feel at home. The course will also include discussions on car buying, emergency roadside service, and calculating car expenses. Service procedure demos include changing oil and filter, installing and balancing tires, grease jobs, wheel bearing repacking, spark plug service, compression testing, brake repair, engine timing, headlight adjustment as well as a number of other service related items.

AUTOMOTIVE TECHNOLOGY LEVEL 2 (MTAUT12)

Recommended Prerequisite: Automotive Technology Level 1 or Teacher Approval

The topics covered include a condensed review of Level 1 theory, the study of auto transmissions, emission control, tune-ups, scope analysis and advanced auto electrical.

Students will be taught additional skills and techniques and given additional shop time to enhance student experience on working with different vehicles from a variety of time eras and countries. Students in Level 2 will often partake in a partial or full re-build of a shop car (subject to availability). During the re-build, students will practice and improve upon the practical skills they have learned in level 1 and apply advanced techniques which will be covered in Level 2.

Technology and Trades Education

AUTOMOTIVE TECHNOLOGY LEVEL 3 (MTEAD12)

*Recommended Prerequisite: Automotive Technology Level 2 or
Teacher Approval*

This course provides the mechanically-gifted student additional shop time with a review of Level 2 theory and further study of modern electrical and diagnostics systems. Senior students are often tasked with leading a re-build on a shop car (subject to availability). Senior level students with a BC Class 7 (N) License and access to a vehicle are encouraged to seek approval and apply their knowledge of maintenance, tune-ups and part replacements to improve their own vehicles.



RICHMONDVIRTUALSCHOOL.CA

Spring-Summer-Fall 2026

[Projected Course List]

SPRING SEMESTER 2

JAN.27 – JUN.19, 2026

Registration open until Feb.12, 2026

20th Century World History 12
 Accounting 11
 BC First Peoples (SS) 12
 Calculus 12
 Career Life Education 10 (*RVS Online only*)
 Chemistry 11
 Computer Programming 11-12
 Cybersecurity 11-12
 Economics 12
 English 11 (Literary Studies)
 English Studies 12
 English First Peoples 11 (Literary Studies)
 English First Peoples 12
 Entrepreneurship 12
 Foundations of Math & Pre-Calculus 10
 Foundations of Math 11, 12
 French 10, 11, 12
 Law 12
 Life Science 11
 Mandarin 11, 12
 PE 10-12
 Physical Geography 12
 Physics 11, 12
 Pre-Calculus 11, 12
 Psychology 12 (YPSYC2A)
 Robotics & Drones 10-12
 Science 10
 Social Studies 10

SUMMER SEMESTER 3

JUN.29 – AUG.7, 2026

Registration open Feb.17 until Jun.25, 2026

Anatomy & Physiology 12
 BC First Peoples (SS) 12
 CADD and Animation 10-12
 Career Life Education 10
 Chemistry 11, 12
 Computer Programming 11-12
 Cybersecurity 11-12
 Drafting & Animation 10-12
 English 10, 11, 12
 English First Peoples 10, 11, 12
 Foundations & Pre-Calculus Math 10
 Foundations of Math 11, 12
 French 10, 11, 12
 Life Science 11
 Mandarin Intro.11, 11, 12
 PHE 10-12
 Photography 10-12
 Physical Geography 12
 Physics 11, 12
 Pre-Calculus 11, 12
 Robotics & Drones 10-12
 Science 10
 Social Justice 12
 Social Studies 10
 Video Game Development 11
 Work Experience 12

FALL SEMESTER 1

SEPT. 2026 – JAN., 2027

Registration open Feb.17 until Sept.29, 2026

Anatomy & Physiology 12
 BC First Peoples (SS) 12
 Calculus 12
 Career Life Education 10 (*RVS Online Only*)
 Chemistry 12
 Economics 12
 English First Peoples 12
 English Studies 12
 French 11, 12
 Foundations & Pre-Calculus Math 10
 Foundations of Math 11, 12
 Mandarin 12
 PE 10-12
 Physical Geography 12
 Physics 11, 12
 Pre-Calculus 11, 12
 Psychology 12 (YPSYC2B)

FALL LINEAR 2026

SEP. 8 – JUN. 2027

Registration open Feb. 17 until Oct.23, 2026

AP Psychology (APSY-12 *Optional AP Exam in May)
 Career Life Connections 12 (*RVS Online only*)
 PE 10-12

CONTINUOUS ENTRY

25/26 Registration open until Feb.12, 2026

26/27 Registration open until Feb.12, 2027

Career Life Connections 12 (*RVS Online only*)
 Cybersecurity Co-op 12
 PE 10-12

Please note: these courses are asynchronous and students will begin and complete at different times. Students will be encouraged where possible to be on a semester or linear completion schedule.

DANCE & ATHLETE

25/26 Registration open until Feb.12, 2026

26/27 Registration open until Feb.12, 2027

Dance Choreography 10-12
 Dance Company 11, 12
 Dance Performance 10-12
 Fitness & Conditioning (HP/ADP/Oval) 10-12
 PE (HP/Oval) 10-12
 Theatre 10-12

Please visit: rvs.sd38.bc.ca for more info. on courses/programs or contact RVS with inquiries
 Phone: **604-668-6371** or email: rvs@sd38.bc.ca

SCHOOL SPECIFIC OPTIONS

Must be enrolled at listed school:

CLC 12 (all schools)
 CLE 10 (Cambie, McMath, McNair, RSS)
 Choir and Jazz Band (Palmer, RSS, McMath)
 Digital Media & Video Production (Boyd)
 Engineering 11 (Burnett/Career Programs)
 Food Studies 11, 12 (MacNeill)
 Leadership 11, 12 (Boyd, McNair)
 Outdoor Education 11, 12 (McMath)
 Peer Tutoring (Boyd, Burnett)
 Yearbook 10-12 (McNair)
 Other (as announced by your school)

Meetings:

Weekly course meetings take place in central Richmond at R.C. Palmer Secondary. School specific courses take place at the indicated school. Dance & Oval programs have meetings as arranged by the teacher.

DISTRICT PROGRAMS

Visit the district website for more information



Blended Learning is a full-time program for students in Kindergarten to grade 7. Students are supported through online class instruction, self-directed learning supported at home, field trips and events at Grauer Elementary.



RAIL is a blended, interdisciplinary program where students complete grades 8 - 9 through project-based learning.

CLICK HERE:

Register Today for RVS 



Online learning from K-12

Our mission is to provide blended courses that respond to the needs of Richmond students with flexibility, quality and service. As a result, RVS has one of the highest completion rates in BC!

RVS Offers:

- Hybrid (in-person and online) Academic & Elective Courses
- Fast-Track Summer Courses
- Dance & Athlete Programs, AP Psychology, Entrepreneurship, Leadership, Cybersecurity, Work Experience, Project Based Learning options and more!



Register Today for RVS 



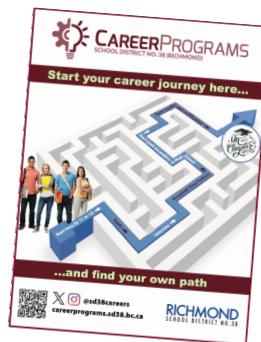
richmondvirtualschool.ca
Call 604-668-6371 | Email rvs@sd38.bc.ca

RICHMOND
SCHOOL DISTRICT NO.38



DUAL CREDIT PROGRAM/COURSE OPTIONS FOR Gr. 10-12 STUDENTS

Take university/college courses while in high school !!!



- The Richmond SD38 Career Programs Office (CPO) offers several **DUAL CREDIT*** programs and courses for students to take while in high school. The CPO is located at Cambie Secondary School.
- ***DUAL CREDIT:** Students **earn both high school and post-secondary credits** for the programs they take. The high school credits count toward a student's GPA.
- **TUITION is FREE** for dual credit programs/courses (trades training and degree/certificate courses).
- Applications are posted on our website, and "TUESDAY DUE DAYS" are listed in our brochure.
- Find details on our Career Programs slat board inside or just outside your school's counsellng area.

View our website: <https://careerprograms.sd38.bc.ca>

View our Brochure:



Attend an Info Night on Zoom
(more to be announced)



Check out our MANY Program Offerings Here:

(Click on the tiles or the Programs tab to view a drop-down list.)



Choose from these and MANY MORE!

- Trades Training (Professional Cook, Plumbing/Piping, Auto Service, Aircraft Maintenance, Electrical, Carpentry and much more!)
- Medical Lab Assistant, Health Care Assistant and NEW Intro to Medical & Health Science Program
- Intro to Early Childhood Education
- Manufacturing and Engineering Co-op (@ Burnett)

In Partnership with:



For more information contact your School Counselor, Career Information Advisor or the District Career Programs Office at 604-668-6000 (extension 3766). Email: careerprograms@sd38.bc.ca