



L. A. MATHESON SECONDARY

GRADE 10-12 Course Selection Handbook 2024-25

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Senior Courses Offered at L. A. Matheson 2024-2025

Course Code	Description	Course Code	Description	Course Code	Description
ADST		MMUJB10--Y	Instrumental Music: Jazz Band10 Linear	PHYSICAL & HEALTH EDUCATION	
MADEM10--S	Entrepreneurship & Marketing 10	MIMJB11--Y	Instrumental Music: Jazz Band11 Linear	MPHED10--S	PHE 10
MMAP-11--S	Marketing and Promotions 11	MIMJB12--Y	Instrumental Music: Jazz Band12 Linear	MPHED10-S-G	PHE 10 Girls
				MPHED10--S-APSL	Soccer Academy 10
MCSTU10--S	Web Dev. & Computer Studies 10	YIPS-1A--S-BA11	Band Assistant 11	MACLV11--S	PHE 11
MDCOM11--S	Digital Communications11	YIPS-2A--S-BA12	Band Assistant 12	MACLV12--S	PHE 12
MAC--11--S	Accounting 11	YIPS-2A--S-CON	Conducting 12	MACLV11--S-G	PHE 11 Girls
MACC-12--S	Accounting 12	MDRM-10--S	Drama 10	MPHED10--S-GSOC	PHE 10 Girls Soccer
MGRPR11--S	Graphic Prod. & Animation 11	MDRM-11--S	Drama 11	MFTCD11--S-GSOC	PHE 11 Girls Soccer
MGRPP12--S	Graphic Prod. & Animation 12	MDRM-12--S	Drama 12	MFTCD12--S-GSOC	PHE 12 Girls Soccer
MCMPR11--S	Computer Programming 11	MDRTC10--Y	Theatre Company 10	MPHED10--S-BSOC	PHE 10 Boys Soccer
MCMPR12--S	Computer Programming 12	MDRTC11--Y	Theatre Company 11	MFTCD11-S-BSOC	PHE 11 Boys Soccer
MMEDD10--S	Digital Media Design 10	MDRTC12--Y	Theatre Company 12	MFTCD12--S-BSOC	PHE 12 Boys Soccer
MMEDD11--S	Digital Media Design 11	MDRD-10--S	Theatre Production 10	YLRA-1A--S	Weight Training 11
MDMD-12--S	Digital Media Development 12	MDRTP11--S	Theatre Production 11	YLRA-2A--S	Weight Training 12
MIDS-0A--Y- YBK	Yearbook 10	MDRTP12--S	Theatre Production 12	MPHED10--S- GWT	Weight Training 10 Girls
MVAGA11--Y	Yearbook 11	MDRDS11--S	Directing and Script Development 11	YLRA-1A--S-GIRLS	Weight Training 11 Girls
MVAGA12--Y	Yearbook 12	MDRDS12--S	Directing and Script Development 12	YLRA-2A--S-GIRLS	Weight Training 12 Girls
MFOOD10--S	Food Studies 10	CAREER EDUCATION		MPHED10--S- BBCOMP	PHE Basketball 10 COMP
MFOOD11--S	Food Studies 11	MCLE-10--S	Career Life Education 10	MACLV11--S- BBCOMP	PHE 11 Basketball COMP
MFOOD12--S	Food Studies 12	MCLC-12--S	Career Life Connections 12	MACLV12--S- BBCOMP	PHE 12 Basketball COMP
MFAMS10-2	Family Studies- Family & Society 10			MPHED10--S- BBREC	PHE 10 Basketball REC
MIAFR11--S	Family Studies-Interpersonal & Family Relationships 11	XAT--11--S- COOP	Matheson Co-op 11	MACLV11--S- BBREC	PHE 11 Basketball REC
MCDAC12--S	Family Studies - Child Development & Caregiving 12	CULINARY ARTS		MACLV12--S- BBREC	PHE 12 Basketball REC
MTDRF10--S	Drafting & Design 10	MCUL-10--S	Culinary Arts 10	MPHED10--S- HUMPERF	Human Performance 10
MTDRF11--S	Drafting & Design 11	MCUL-11--S	Culinary Arts 11	MACLV11--S- HUMPERF	Human Performance 11
MTDRF12--S	Drafting & Design 12	MCUL-12--S	Culinary Arts 12	SCIENCE	
MTMET10--S	Metalwork 10			MSC--10--S	Science 10
MTMET11--S	Metalwork 11			MCH--11--S	Chemistry 11
MTMET12--S	Metalwork 12			MCH--12--S	Chemistry 12
MSTX-0A--S	Trade skills Exploration 10			MLFSC11--S	Life Sciences 11
MSTX-1A--S	Trade Skills Exploration 11	XAT--10-S-CRT	Creative Writing & Composition 10	MATPH12--S	Anatomy & Physiology 12
MSTX-2A--S	Trade Skills Exploration 12			MPH--11--S	Physics 11
MWWK-10--S	Woodwork 10	XAT--10--S-LIT	Literary Studies & Composition 10	MPH-12--S	Physics 12
MWWK-11--S	Woodwork 11			MSPSC12--S-FOREN	Forensic Science 12
MWWK-12--S	Woodwork 12	XAT--10--S-NMD	New Media & Composition 10	MSCCT-11--S	Science for Citizens 11
ARTS EDUCATION		XAT--10-S-SPK	Spoken Word & Composition 10	MESC-11--S	Earth Science 11
MVAST10--S	Art Foundations 10	MCMPS11--S	Composition 11	MEVSC11--S	Environmental Science 11
MVAST11--S	Art Foundations 11	MCTWR11--S	Creative Writing 11	MEVSC12--S	Environmental Science 12
MVAST12--S	Art Foundations 12	MLTST11--S	Literary Studies 11	SOCIAL SCIENCES	
MVAC-10--S	3D Ceramics and Sculpture 10	MNDM-11--S	New Media 11	MSS--10-S	Social 10
MVAC-11--S	3D Ceramics and Sculpture 11	MSPLG11--S	Spoken Language 11	MPGEO12--S	Geography 12
MVAC-12--S	3D Ceramics and Sculpture 12	MCTWR12--S	Creative Writing 12	MWH--12--S	20th C World History 12
MVAD-10--S	2D Drawing and Painting 10	MCMP12--S	Composition 12	MASIA12--S	Asian Studies 12 1850- present
MVAD-11--S	2D Drawing and Painting 11	MLTST12--S	Literary Studies 12	MECT-12--S	Economics 12
MVAD-12--S	2D Drawing and Painting 12	MNMD-12--S	New Media 12	MBCFP12--S	BC First Peoples
MDCF-10--S	Dance Foundations 10	MSPLG12--s	Spoken language 12	YAES-2A--S	Black Studies 12
MDCF-11--S	Dance Foundations 11	MENFP12--S	English First Peoples 12	MLST-12--S	Law Studies 12
MDCF-12--S	Dance Foundations 12	INTERNATIONAL LANGUAGES		MPHIL12--S	Philosophy 12
MDNC-10--S	Dance Choreography 10	MFR--10--S	French 10	MSJ--12--S	Social Justice 12
MDNC-11--S	Dance Choreography 11	MPUN-10--S	Punjabi 10	YPSYC1A--S	Psychology 11/12
MDNC-12--S	Dance Choreography 12	MSP--10--S	Spanish 10	MPLST12--S	Political Studies 12
MDNCM10--Y	Dance Company 10	MFR--11--S	French 11	LEADERSHIP	
MDNCM11--Y	Dance Company 11	MPUN--11--S	Punjabi 11	MPHED10--Y-LEAD	PE Leadership 10
MVAM-10--S	Media Design & Film 10	MFR--12--S	French 12		
MDFT-11--S	Film & Video Production 11	MPUN--12--S	Punjabi 12	YIPS-0B-S	Community Leadership10
MDFT-12--S	Film & Video Production 12	MSP--12--S	Spanish 12	YIPS-1B--Y	Recreational Lead 11
MMUCC10--S	Choral Music 10: Concert Choir			YIPS-2B--Y	Recreational Lead 12
CMCC11--S	Choral Music 11: Concert Choir	MATHEMATICS		STUDENT SERVICES	
MCMCC12--S	Choral Music 12: Concert Choir	MWPM-10--S	Math 10: Workplace	YIPS-1C--S	
MMUCB10--Y	Concert Band 10 Linear	MFMP-10--S	Math 10: Found and Pre-Calculus	YIPS-2D--S	Peer Meditation 12
MIMCB11--Y	Concert Band 11 Linear	MWPM-11--S	Math 11: Workplace	YIPS-1A--S	Peer Tutoring 11
MIMCB12--Y	Concert Band 12 Linear	MFOM-11--S	Math 11: Foundations	YIPS-2A--S	Peer Tutoring 12
		MPREC11--S	Math 11: Pre-Calculus	MSPC12--S	Lab Aide 12
		MPREC12--S	Math 12 Pre-Calculus	STUDY COURSES	
		MCALC12--S	Calculus 12	XAT--12--S	Study Block
				XAT--12E--S	Semester 2 out

Mission Statement

At L.A. Matheson, we provide a safe, cooperative and supportive learning environment that promotes social, intellectual and creative growth. We aim to help all our students develop into informed, active and responsible global citizens.

HOW TO USE YOUR COURSE SELECTION HANDBOOK

"BEGIN WITH THE END IN MIND"

Course selection time is an opportunity to continue thinking about the path you are taking towards graduation and beyond. As a secondary student, it is not expected that you have your future all figured out, but it is important to research the opportunities that are appropriate for you. With that in mind, it is essential to select courses that will keep doors open.

Course selection is a process, and this book is one of the tools to help you select your courses. Please take the time to dialogue with your parents, teachers, and counsellors about the courses you will select. Further, please consult career facilitators and post-secondary calendars (available in the counsellor's office) and websites (www.educationplanner.ca), to ensure that prerequisites are met for post-secondary programs that you are interested in.

FACTORS TO CONSIDER IN MAKING YOUR DECISIONS [RETURN TO INTRO PAGE](#)

As you think about choosing your courses for next year, you should ask yourself:

1. What courses **MUST** I take for graduation?
2. What courses **MUST** I take to meet post-secondary and/or apprenticeship entrance requirements?
3. What are my passions or areas I would like to explore?
4. What will be the total time demand of the courses I select?

The course selection process at L.A. Matheson Secondary provides an excellent opportunity for personal growth and for exercising decision-making skills. The staff at L.A. Matheson looks forward to helping you make the best-informed decisions possible.

Counselling Services

The Counselling Department endeavours to assist students to acquire the skills, knowledge, and attitudes necessary to:

- Know and appreciate themselves
- Relate effectively to others
- Develop appropriate educational plans
- Explore career alternatives

To meet these objectives, the following services and programs are offered:

Counselling: Individual counselling – Counsellors help students become aware of their own potential, make wise decisions, and deal with the educational, social and personal difficulties that may confront them. A student who wishes counselling assistance may request an appointment with his/her counsellor.

Program Planning: Counsellors and Career Resources Centre staff will assist students with short- and long-term planning of their educational and career goals. Educational and Vocational/Career Information is communicated to students by the following: scheduling student interviews, offering courses, participating in post-secondary days, arranging for guest speakers, displaying calendars and posters, providing vocational interest tests, posting information on Instagram (lam_counselling), having night and summer school information available.

Peer Counsellors and Peer Mediators: Peer Counsellors and Peer Mediators are also part of our student services team. Peer Counsellors and Peer Mediators are students who have received specialized training in counselling and conflict resolution. Speak to your counsellor if you would like to become a Peer Counsellor or Peer Mediator.

Applications for Post-Secondary Institutions: Counsellors assist students with completing university and community college applications and will inform students about financial assistance and scholarships.

My Graduation Plan

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Grade 10	<input checked="" type="checkbox"/>	Grade 11	<input checked="" type="checkbox"/>	Grade 12	<input checked="" type="checkbox"/>
A Language Arts 10		A Language Arts 11		A Language Arts 12	
Social Studies 10		A Social Studies 11 or 12		Career Life Connections 12	
A Math 10		A Math 11 or 12		_____ 12	
Science 10		A Science 11 or 12		_____ 12	
Career Life Ed 10					
P.H.E. 10					

COURSE REQUIREMENTS TO GRADUATE (post-secondary institutions may have additional requirements):

52 credits are required courses, including:

A Language Arts 10,	4 credits
Mathematics 10,	4 credits
Physical Education 10,	4 credits
Career Life Education 10,	4 credits
Social Studies 10,	4 credits
Science 10,	4 credits
Arts Education or Applied Design, Skills and Technologies 10, 11 or 12,	4 credits
A Language Arts 11,	4 credits
A Senior Social Science,	4 credits
A Science 11 or 12,	4 credits
A Mathematics 11 or 12,	4 credits
English Studies 12,	4 credits
Career Life Connections 12,	4 credits
SUB TOTAL:	52 credits

Elective Courses:

28 credits

All must be of grades 10, 11 or 12 level.

- ⇒ A minimum of 16 credits must be grade 12 level (4 courses), including English Studies 12 and Career Life Connections 12.
- ⇒ Grade 10 and 12 Literacy assessments and the grade 10 Numeracy assessment are mandatory for graduation.
- ⇒ Indigenous courses credit (ENFP 12 or another course)

GRAND TOTAL

80 credits

Applied Design, Skills, and Technologies Department (ADST)

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This department includes courses in the following areas:

(Please note, many of the courses can be taken in grades 10, 11, and / or 12)

Grade	Business/Computer Education Courses	Home Economics Courses	Technology Education Courses
10	Web Development and Computer Studies 10 Digital Media Design 10 Entrepreneurship and Marketing 10 Yearbook 10	Food Studies 10 Family and Society 10	Drafting and Design 10 Metalwork 10 Woodwork 10
11/12	Accounting 11/12 Computer Programming 11/12 Digital Communications 11 Digital Media Design 11 Digital Graphic Production and Animation 11/12 Marketing and Promotions 11 Media Development 12 Yearbook 11/12	Food Studies 11/12 Family Studies 11 / 12	Drafting and Design 11/12 Metalwork 11/12 Woodwork 11/12 *New Trade Skills Exploration 11/12

Computer and Business Education

Entrepreneurship and Marketing 10 [MADEM10--S](#)

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It's fun, it's exciting, and it's E&M 10! If you dream of making a lot of money or even plan to own your own business, then this is the place to start. As you discover what business is all about, you will learn about marketing, product and idea promotion, and entrepreneurship. There will also be a focus on learning and applying the Microsoft Office Tools. E&M 10 will give you the knowledge and skills you need to make it in the future and succeed in the business world.

Marketing and Promotions 11 (Available for students in grades 10 – 12) [MMAP-11--S](#)

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Ever wanted to start your own company, market your great invention that will revolutionize the world, or become a store manager? If so, then this is the course for you. Marketing 11 will provide you with an opportunity to examine the nature and role of marketing in a local context. We will focus on advertising and promotion of brands and products. You will learn how marketing helps businesses determine and meet customer needs, how businesses examine market conditions and present a variety of products and services to their potential customers, how marketing helps businesses become and remain successful, and how consumer decisions influence the marketplace. You will gain an understanding of the need for good customer relations and of how this attitude drives the economic system in Canada. You will gain a better understanding of roles of consumers and producers in an economic system, and will have a good foundation for a career in business and retail.

Web Development and Computer Studies 10 [MCSTU10--S](#)

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This course is a terrific opportunity to improve your computer skills and learn how to use web development tools and presentation software to communicate information and ideas effectively. You will learn to design web pages using WYSIWYG HTML editors, HTML and CSS. You will use graphics programs to create animations, design slide shows, paint and draw some fabulous artwork, manipulate and edit photos, create simple sound and video editing projects. If time permits, you will explore basic programming, and maybe even build your own computer game or animation. We will explore issues around the use of technology, such as effective use of information, cyberbullying, virus avoidance, and how to keep both ourselves and our information safe and protected when online or when using social media. As technology in our world is constantly changing, we work hard to try to provide our students with the skills that will help them throughout many of their high school courses, but also prepare them for post-graduate courses and for the workplace.

Accounting 11 (Available to students in grades 10 – 12) [MAC—11--S](#)

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Accounting is for you whether you want to balance your cheque book, run your own business, learn spreadsheets, or gain skills to obtain banking or entry-level accounting positions in accounting firms or banks. Accounting opens the door for great opportunities for future careers. This is a terrific course for students who plan to manage or own any small or medium-sized business. Also, students who wish to pursue post-secondary studies in accounting, finance, business management or commerce will have a definite advantage by taking this course. It is recommended that students taking this course have a mark of 60% or higher in Math 10.

Accounting 12 (Available to students in grades 11 and 12) [MACC-12--S](#)

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Successful completion of Accounting 11 is suggested for this course.

This course builds upon what was covered in Accounting 11. It is a hands-on course that uses industry-standard software programs to prepare and present accounting reports and other financial information for small businesses. You will learn about current business practices and the financial needs of a business, including payroll, taxation, budgeting, and inventory. This is a terrific course for students who plan to manage or own any small or medium-sized business. Also, students who wish to pursue post-secondary studies in accounting, finance, business management or commerce will have a definite advantage by taking this course.

Computer Programming 11 [MCMPR11—S](#)

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(Available to students in grades 10, 11, and 12)

This course is an incredible introduction to the world of computer programming. Students will use computational thinking and languages such as Python, Swift, Java, C++, and ActionScript to learn the basics of computer programming: data types, error handling and debugging, input and output, conditional and decision statements, iterative or looping structures, and functions and procedures. We will learn how to break down problems into

manageable simple tasks and sub-routines, and explore pseudo-code and flowcharting as tools to develop effective algorithms. By the end of the course, you will have created a unique computer game that can be played on multiple platforms. Students will explore other topics such as binary and hexadecimal conversion, the history of computer programming, and appropriate use of technology, including digital citizenship, etiquette, and literacy. We will also explore the social and environmental impacts of computer technology. The intent is that we will also explore the programming of video games and robots. This course will provide students with insight into the skills and common language sets for computer programming and game development.

Computer Programming 12 MCMPR12—S

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(Available to students in grades 10, 11, and 12 who previously completed Programming 11 or can demonstrate their understanding of the equivalent)

This course will build on the basics of computer programming acquired in our Computer Programming 11 course. We will explore more complex programming structures, design more intricate and complex programs, and place more emphasis on the graphical user interface. A focus will be on methods, classes, and functions to organize code more effectively and to enhance collaborative coding opportunities. There will be substantial time available for students to explore the languages of their choice in more depth. We will explore the topic of intellectual property such as works of art, inventions, discoveries, and design ideas to which one has the legal rights of ownership. We will also explore technologies that extend human capabilities. This course will provide students with insight into the skills and common language sets for computer programming and game development.

Digital Communications 11 MDCOM11--S

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(Available to students in grades 10, 11, and 12) *No experience with computers is necessary.*

This course provides an overview of how computer technology is used to enhance communications within our society. The focus of this course changes each year, but this coming year we will focus on communications and will cover topics such as social media, Web Site development (HTML, CSS, and editors), basic animation, basic sound and video editing, and desktop publishing with programs such as InDesign, Publisher, and office templates. We will explore how digital tools are used to communicate and solicit information, the impacts of social media in global communications and language, the risks and ethics of digital communication, the influences of digital marketing in online content creation and distribution. We will also examine changes in journalism and reporting, persuasive writing for the web, how technology promotes and supports collaboration, and the sociological impacts of digital communication tools. This course provides an essential background for students intending to continue studies or careers in the areas of computers and business.

Digital Media Design 10 / 11 MMEDD10—S/MMEDD11--S

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(Available to students in grades 10, 11, and 12)

This course is intended to introduce students to a variety of techniques used in the world of digital arts and publishing. A strong emphasis is placed on the principles and elements of design. Topics typically include digital photography, photo manipulation and editing in Photoshop, computer graphic development in Illustrator, desktop publishing in InDesign, typography, interactive website design in Dreamweaver and Animate, basic sound and video editing, and 3D modelling. We will examine how we have changed our perceptions of who is a photographer or journalist and what role they have in capturing history and how images and other forms of media are used to communicate ideas, to share experiences, and to market products and personalities. The creation of a digital portfolio emphasizes the design process and will play a significant role in the assessment for this class. We will also explore issues of digital citizenship, etiquette, and literacy. We will examine the technical, stylistic, symbolic, and cultural influences on the creation of digital media. This course is all about using computer technology to communicate a message or idea effectively to an audience or to a potential client.

Digital Media Development 12 MDMD12—S

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(Available to students in grades 10, 11, and 12)

This course builds on the material introduced in the Digital Media 10 and 11 courses. You will further develop your skills in areas such as interactive website design, photo editing and manipulation, basic animation, basic sound and video editing, desktop publishing, and graphic production. You will be required to complete

assignments in each of the “core” areas, but flexibility is given to allow you to pursue an area of special interest. All programs we use are in use in the digital media and video production industry today. A digital portfolio will play a significant role in assessment for this class. This project-based course requires students to apply artistic skills and technology to both print and electronic media. We will explore the ethical, moral, and legal considerations associated with using media arts technology for image, video, and sound development. We will examine the role of media design in reflecting, sustaining, and challenging beliefs and traditions. We will appreciate ways in which content and form influence and are influenced by historical, social, and cultural contexts. We will explore ways to make the audience more active participants in the process and explore how media can be created to generate a specific emotional response in a target audience or to influence thinking. There will be a focus on effective communication of designer and client throughout the entire design process.

Graphic Productions and Animation 11 MGRPR11—S

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(Available to students in grades 10 – 12)

Depending on student interest and ability, students are introduced to the key aspects of 2D classic animation, stop motion camera animation (Claymation, Whiteboard animation, Lego, cut-out), 2D computer animation, and / or 3D computer animation and modelling. We will focus on the history of animation, story boarding, script writing, character design, set-design, modelling, and movement. Students start with an idea, sketch out a character, then learn to bring the scene to life. We will study the basic principles of animation and learn how to apply them. There will also be a focus on creating animations for the web and for marketing and entertainment purposes. The course is very “hands-on” and is a great stepping-stone to pursuing a career in animation, web development, business, or computer game design.

Graphic Productions and Animation 12 MGRPR12--S

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This course is an advanced course in animation. Students will create work that reflects an understanding of personal, social, cultural and historical contexts. Students will use a variety of software and techniques to create their animations, demonstrating their knowledge of storyboarding, scriptwriting, character development, set design and the principles of cinematography. The course will culminate in a project that demonstrates their understanding of the principles of animation.

Yearbook 10, 11, 12 MVAGA11--Y

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(Please note that these courses are offered after school only)

Note: Students will be interviewed prior to admission to this class.

This is a design course where students will be totally responsible for the production of the yearbook publication. Students must be willing to work as a team and be willing to put in extra hours outside of class time. As deadlines are a critical reality of this class, a mature attitude and good work ethic are a must.

Within the course, students will learn the principles of layout and design used in the desktop publishing industry, will explore digital photography, and will work with industry-standard software, including InDesign and Photoshop. Students will gain experience with digital cameras, scanners, and photo manipulation and enhancement. Students will immerse themselves into the culture of the school and become photojournalists who capture the experiences and memories of all our students.

Home Economics

Food Studies 10-12 MFOOD10-S/MFOOD11-S/MFOOD12-S

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Senior Foods is your ticket to a world of culinary adventure. Get ready to level up your cooking skills as we delve deep into the art and science of food preparation. In this engaging and hands-on course, you will create various delectable breads, vibrant vegetable-based dishes, hearty soups, flavorful pastas, mouthwatering dishes from around the globe, along with sweet treats, and so much more! In addition, there will be an emphasis on nutrition, sustainability, and culinary traditions as you develop a holistic understanding of the role food plays in health, culture and community.

Family Studies - Family & Society 10 MFAMS10—S

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80% of Canadians live with some form of family. You will explore the dynamics of a family and look at the roles of families in society, and the economic, social emotional, and global issues that affect families. You will also explore

the role of children in families and society, including the rights of children locally and globally. You will generate strategies that can be used to help families meet specific issues and challenges. For example, living arrangements and housing.

Family Studies - Interpersonal & Family Relationships 11 MIAFR11—S

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How do I get along with others? You will learn skills and strategies to enhance a positive self-image, make good decisions, and communicate effectively. Once students understand more about yourself, you will learn how to build strong positive relationships with others. In addition, you will learn to recognize signs of unhealthy healthy relationships and learn to act accordingly. You will also explore interpersonal relationships in our global society.

Family Studies - Child Development & Caregiving 12 MCDAC12—S

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This interactive course will explore human growth and development. You will learn about pregnancy, birth and the stages of development will be studied with emphasis on learning nurturing techniques for each stage. This course will also discuss the importance of the decision to parent and parental rights and responsibilities, including providing for the basic needs of a child, the rights of a child, and moral, ethical, and financial rights and responsibilities.

Technology Education

Drafting and Design 10 MTDRF10--S

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Mechanical and architectural drafting are covered using both board drawing and CAD. A greater emphasis will be placed upon the use of drafting skills in the areas of modelling and problem-solving. Career exploration may also be included.

Drafting and Design 11 MTDRF11--S

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This is an introductory course which covers the same topics outlined in Drafting 10 in a more detailed and complex manner. It may also include perspective drawings, sectioning and modelling. Greater emphasis may be placed on CAD. This course will provide students with a necessary foundation to be able to effectively communicate ideas and designs in many areas of technology.

Drafting and Design 12 MTDRF12--S

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This course continues to develop skills learned in Drafting 11. Students will design, draw and understand mechanical and architectural drawings. Greater emphasis may be placed on CAD. This is an excellent course for students interested in engineering, architectural, or construction-related careers.

Metalwork 10 MWWK-10--S

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Introductory course intended to develop the students' ability in the use of hand tools and for working and forming metals, while at the same time meeting the prescribed learning outcomes. A primary objective will be to instil in the student, a positive and responsible attitude towards safety in the metalworking shop. An ability to demonstrate specific practical and critical thinking skills as they relate to metalworking will also be encouraged. In addition, the student will be challenged to demonstrate an understanding of efficient use of scarce resources.

Metalwork 11: Metal Fabrication & Machining MWWK-11--S

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This course will build on the knowledge gained in Metalwork 10. There will be more of a focus on using power tools and production processes than was required in previous courses. The student will be expected to consistently demonstrate safe work practices, meet the prescribed learning outcomes and will be expected to produce higher quality work with more precision and accuracy. Some of the areas of focus, as in Metalwork 12 will include safety, measurement, tools and equipment, materials, project design and management, and processes. The use of lathe and milling machines, gas, arc and MIG welding, gas and plasma arc cutting equipment, and casting and heat treatment equipment will be required. Evaluation: Continuous evaluation will be maintained throughout the course. Mark breakdown will be 50% practical work and 50% theory.

Metalwork 12: Metal Fabrication and Machining MWWK-12--S

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The main objective of this course is to offer a combination of theory and “hands on” skills that will prove valuable throughout life and prepare students for entry into many areas of engineering and trades programs offered at universities or colleges. The student will be expected to meet the prescribed learning outcomes and to build on the skills learned in Metalwork 11. Towards the end of the course, once skill requirements have been met the students will be allowed to design and build projects of their own choosing, after consultation with the instructor. Some of the areas of focus will include safety, measurement, tools and equipment, materials, project design and management, and processes. Acquired skills will include lathe and milling machine practices, gas, arc and MIG welding, gas and plasma arc cutting, casting and heat treatment. Evaluation: Continuous evaluation will be maintained throughout the course. Mark breakdown will be 50% practical and 50% theory.

Trade Skills Exploration 11/12 MSTX-1A—S/MSTX-2A--S

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NEW COURSE The Youth Explore Trades course introduces students to three trades careers: carpentry, plumbing and electrical. This course is a blend of theory and practical knowledge with students learning proper techniques in each of the trades. This includes tool safety and usage, workplace safety, and workplace etiquette. Hands-on experience will be part of the course with students framing a wall and then running both plumbing and electrical through it. The course will also include guest speakers presenting on the trades as well as careers in the trades.

Woodwork 10 MWWK-10—S

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This course encourages students to expand their knowledge and to design and problem-solve using wood and related machinery. Individual design of projects is emphasized.

Woodwork 11 MWWK-11—S

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This course is an advanced hands-on course involving the use of wood and wood composites. Students will solve problems involving the design and construction of teacher-selected and/or student-selected projects. In most programs, students will be expected to design projects and calculate material amounts and costs. The focus of this program is the construction of cabinets and furniture.

Woodwork 12 MWWK-12—S

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The program involves learning and applying advanced woodworking and design skills to build major projects. The focus of this program is cabinet and furniture construction.

Arts Education Department

Music	Drama	Dance	Film and Video	Visual Arts
Choral Music 10, 11 & 12	Drama 10, 11 & 12	Dance Foundations 10, 11, & 12	Media Design & Film 10	Art Foundations 10, 11 & 12
Instrumental Music: Jazz Band 10, 11 & 12	Theatre Company 10, 11, & 12	Dance Choreography 10, 11 & 12	Film and Video Production 11 & 12	Ceramics and Sculpture 10, 11 & 12
Concert Band 10, 11 & 12	Theatre Production 10, 11, & 12	Dance Company 10, 11 & 12		Drawing and Painting 10, 11 & 12
Band Assistant 11/12	Directing and Scriptwriting 11 & 12			
Conducting 12				

Music

Concert Band 10 MMUCB10—Y (Linear with CLE)

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Concert Band 10 is a linear course in conjunction with Career and Life Education (CLE) 10 open to students who have successfully completed Concert Band 9, or who have at least three years of experience playing a musical instrument. Students enrolled in this course will have the opportunity to become a member of the Senior Concert Band. In this course you will continue to develop your performance and ensemble skills, and will be expected to attend all school performances and other district and community festivals in which we are participating. Recent tours have included destinations such as Banff, New York City, California, and Cuba. If you have not taken Concert Band 9 and are unsure of your skill level please contact Mr. Tse.

Concert Band 11 MIMCB11--Y

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Concert Band 11 is a linear course in conjunction with Career and Life Connections (CLC) 12 open to students who have successfully completed Concert Band 10. Students enrolled in this course will become a member of the Senior Concert Band. In this course, you will perform a variety of repertoire. Students will continue to develop their performance and ensemble skills at an advanced level, and will be expected to attend all school performances and other district and community festivals in which we are participating. Recent tours have included destinations such as Banff, New York City, California, and Cuba. If you have not taken Concert Band 10 and are unsure of your skill level, please contact Mr. Tse.

Concert Band 12 MIMCB12—Y (Linear course with study block)

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Concert Band 12 is a linear course in conjunction with a study block open to students who have successfully completed Concert Band 11. Students enrolled in this course will become a member of the Senior Concert Band. In this course, you will perform a variety of repertoire. Students will continue to develop their performance and

ensemble skills at an advanced level which will prepare them for post-secondary studies in Music. You will be expected to attend all school performances and other district and community festivals in which we are participating. Recent tours have included destinations such as Banff, New York City, and California and Cuba. If you have not taken Concert Band 11 and are unsure of your skill level, please contact Mr. Tse.

Instrumental Music: Jazz Band 10 MMUJB10—Y

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Co-requisite: Concert Band 10

Jazz Band 10 is a course that continues to build upon the skills learned in Instrumental Music Jazz Band 9. In this course, students will have the opportunity to perform Jazz, Rock, Hip Hop, Funk, and Big Band styles of music. Students will be expected to participate in local and/or regional concerts and festivals. Jazz Band 10 is offered as a linear course and will occur outside of the regular timetable as an x-block. You must enrol in Concert Band 10 in order to register for this course. If there are any questions, please contact Mr. Tse.

Instrumental Music: Jazz Band11: Concert Band 11

Jazz Band 11 is a course that continues to build upon the skills learned in Jazz Band 10. In this course, students will have the opportunity to perform Jazz, Rock, Hip Hop, Funk, and Big Band music at an advanced level. Students will be expected to participate in local and/or regional concerts and festivals. Jazz Band 10 is offered as a linear course and will occur outside of the regular timetable as an x-block. You must enrol in Concert Band 11 in order to register for this course. If there are any questions, please contact Mr.Tse.

Instrumental Music: Jazz Band 12 MIMJB11—Y

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Jazz Band 12 is a course that continues to build upon the skills learned in Jazz Band 11. In this course, students will have the opportunity to perform Jazz, Rock, Hip Hop, Funk, and Big Band music at an advanced level which will prepare them for post-secondary studies in Music. Students will be expected to participate in local and/or regional concerts and festivals. Jazz Band 12 is offered as a linear course and will occur outside of the regular timetable as an x-block. You must enroll in Concert Band 12 in order to register for this course. If there are any questions, please contact Mr. Tse.

Choral Music 9-12 MMUCC10—S/MCMCC11—S

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Do you like to sing? Do you find yourself singing along to the radio? In the shower? Nodding away with your headphones with no care around you!? Well, this course is for you! Choral Music is Choir! This course is designed for students in grades 9 through 12 with some musical ability, interest and experience. The student will develop their knowledge and skills in the areas of vocal and tone production, part singing, sight reading, as well as small and large ensemble performance. Performances are considered part of the chorus curriculum.

Band Assistant 11 / Band Assistant 12 YIPS1A—S-BA11

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Prerequisite: Concert Band 10

Co-Requisite: Concert Band 11 or Concert Band 12

Do you enjoy being in the music room? Are you organized? Would you like to put your skills to good use? This course is like Peer Tutoring but is focused specifically on the Music Program. You will have opportunities to organize the start of year procedures (organizing and handing out materials), collecting monies and inputting it on a computer database, writing receipts, photocopying, and other administrative details required to make a music program run successfully. When tasks are completed, Band Assistants will join the ensemble with an instrument to play along and assist their younger peers and be a resource for them. Band Assistants will utilize their Leadership skills to assist the ensemble, whether it be one-on-one, small group, or large group instruction.

See Mr. Tse if you are interested in enrolling in this course.

Conducting 12 YIPS-2A—S-CON

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Prerequisite: Concert Band 11

Co-Requisite: Concert Band12

Are you planning to pursue something in the music discipline after high school? This course gears specific students who plan to take post-secondary music studies and audition preparation. Students will be given

opportunities to direct an ensemble with small or large group instruction, utilizing their musicianship and leadership skills on the podium. These students will be immersed into the ensemble and are expected to assist other students through playing their primary instruments, as well as a potential secondary instrument. Students will be given time to work on their audition materials, as well as seeking instruction for music theory preparedness. Restricted to Grade 12 Band Students only.

Theatre

Drama 10 MDRM-10—S

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This course will review and expand on the skills developed in Drama 9, with a focus on character building. Students in Drama 10 will continue to build on their drama skills in the following areas:

- Voice work
- Mime and Movement
- Characterization and Scene Study
- Improvisation

Drama 11 MDRM-11—S

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This course takes the skills learned in Drama 8 – 10 and uses them in the development of specific acting technique. The major focus areas of Drama 11 will be:

- Voice and body work
- Character motivation and development
- Script interpretation

Drama 12 MDRM-10—S

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Drama 12 expands on the techniques developed in Drama 11. The main focus of the course will be:

- Character motivation and development
- Voice and body work
- Script writing and analysis

Theatre Company 10-12 MDRTC10//MDRTC11//MDRTC12--Y

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In this course students will learn the skills required to produce a theatrical production. Students will be involved in all areas of the performance from script selection, assistant direction, set and costume design, lighting design, stage management, and performance. Students will be expected to perform in front of school and community audiences.

**Please note that this course is offered outside of the regular timetable. Classes will be Tuesdays and Thursdays after school for the entire school year. Additional evenings will be required for performances.*

Theatre Production 10-12 MDRD-10//MDRTP11//MDRTP12--S

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This course is focused on the technical skills required to put on a theatrical production. The course focuses on the work behind the scenes including set design, set painting, lighting design, audio effects and music, costume design, set building, and stage management. Students **will not** focus on acting and performance. Previous experience in drama, woodwork and/or art courses at the grade 10, 11 or 12 level would be an asset.

Alternatively, this course can be taken at the same time as Drama 8 or 9, in which case it will be treated as a mentorship course. You will be required to work alongside junior students helping them develop their skills behind the scenes. Tasks you may be required to fulfil include: Working on developing and giving feedback on scenes. Organizing the costume, props, and lighting needs for class performances. This version of the course will only be offered for up to 2 students, so please speak to Ms. Jemmott before choosing this course.

**Please note that this course will be offered at the same time as either Theatre Company 10/11/12, or Drama 8 or 9. Recommendation from Drama Teacher is required.*

Directing & Script Development 11/12 MDRDS11--S

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In this course, students will explore a variety of voices, styles and perspectives in writing and directing. The course focuses on script production and directing skills. Specifically, students will develop a repertoire of appropriate writing and directing vocabulary skills as well as be able to use those skills to produce theatre pieces.

**Please note that this course will be offered at the same time as either Drama 10, 11, 12. Recommendation from Drama Teacher is required.*

Dance

Dance Foundations 10-12 MDCF-11—S

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This is an open-level course that welcomes students of all abilities and fitness levels. Students will learn the basics of multiple dance genres in a fun and supportive atmosphere. These genres may include: Street Dance (hip hop, breaking, waacking) , Concert Dance (eg. contemporary, jazz, ballet, tap), and Cultural Dances (eg. Bhangra), and others depending on student interest and time. Students will explore the curriculum by creating, performing, and discussing dance. Students will also explore the ways that dance connects to history, culture, identity, and story. The majority of time in this course will be spent creating large and small-group performance pieces. All students are expected to perform at the Surrey District Dance Festival and our semester-end dance show.

Dance Choreography 10-12 MDNC-10--S

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Recommendation from the dance teacher is required. Students who register without approval will be removed from the course.

This course is for student choreographers and those advanced level dancers who are looking to work towards mentoring students and creating group choreography for the stage. Students will be assigned to a junior class where they will work alongside the teacher as peer tutors and will learn to create dynamic pieces for stage. Students who register for choreography must be recommended by the dance teacher and should either be enrolled in Dance Foundations or Dance Company. Please note: this is a course with limited enrollment. All course requests will be reviewed by the department in conjunction with the administration.

Dance Company 10-12 MDNCM10—Y

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A recommendation from the dance teacher is required. Students who register without approval will be removed from the course.

This is an audition-based course for advanced dancers looking to refine their technique and performance skills and grow as artists. Students will undergo intensive technical training and will learn advanced-level performance pieces for events and competitions. Bhangra, Giddha, and Street Styles concentrations are available. Auditions will be held in June and September and teacher approval is required before students may enroll.

**Please note that this course is offered outside of the regular timetable. Classes will be after school, likely on Tuesdays and Wednesdays. Additional evening and weekend performances will be required throughout the school year.*

Visual Arts

Art Foundations 10-12 MVA10—S/MVA11—S/MVA12--S

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Students will develop skills learned in previous art courses. Students will review design, drawing, painting, printmaking, and three-dimensional work. Personal growth will be encouraged through the development of an individual portfolio. This portfolio will be a digital culmination of your work both in a finished and in progress state. All projects will be in response to assignments that focus on areas of the Elements and Principles of Art and Design.

3D ART 10-12 **MVAC-10—S/ MVAC-11—S/ MVAC-12--S**

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Course is designed for students who wish to focus on the elements and principles of design with a three-dimensional application (such as ceramics, sculpture and multimedia). Imagery, historical and contemporary developments, and reasoned criticism will be applied to all projects. Personal growth will be encouraged through the development of an individual portfolio. This portfolio will be a digital culmination of your work both in a finished and in progress state. All projects will be in response to assignments that focus on areas of the Elements and Principles of Art and Design.

2D ART 10-12 **MVAD-10—S/ MVAD-11—S/ MVAD-12--S**

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This course is designed for students who wish to focus on the elements and principles of design with a two-dimensional application (such as drawing, painting, printmaking, mixed media and graphic design). Imagery, historical and contemporary development, and reasoned criticism will be applied to all projects. Personal growth will be encouraged through the development of an individual portfolio. This portfolio will be a digital culmination of your work both in a finished and in progress state. All projects will be in response to assignments that focus on areas of the Elements and Principles of Art and Design.

Film and Video/Media Services

Media Design and Film 10 **MVAM-10—S**

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Media Design and Film 10 is a fun, hands-on class where students learn how to make videos that stand out and effectively get a message across to their audience. Students will learn how to use various cameras, audio-visual equipment, and video editing software. The course will focus on the creation of media productions within the school. The most prominent of these is the “Matheson on the Move” weekly school news program, but will also include slide presentations, educational video resource development, technical media support for staff development, and special media events. Students may be required to work at lunch and after school on occasion to complete projects in tight timelines.

Students who want to take part in the media services course must:

- have excellent attendance
- have excellent work habits
- be committed to work in a team environment to complete projects
- show initiative and self-motivation
- have the ability to work independently with minimal supervision

Film & Video Production 11 / 12 **MDFT-11--S**

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Do you want to learn how to make your YouTube or TikTok video POP? Want to learn how film makers and TV directors use various techniques to capture our attention and manipulate our feelings when watching movies or TV shows, and how you can use these same techniques in your videos? Then these courses are for you!

Learn how to conceive, plan, film, and edit high-quality videos. These courses are designed to provide students with knowledge in all areas of video production. The courses cover pre-production skills such as: scriptwriting, storyboarding, casting, the documentary process, interviewing and pre-production planning. Students will also learn production skills such as camera operation, picture composition, lighting, microphone/audio skills, and directing.

Video editing techniques and composition, computer graphics and special effects programs will also be taught. The courses are taught using industry software and techniques.

Career Education Department

All students have graduation requirement to two Career Education courses (CLE 10 & CLC 12)

Career Life Education 10 MCLE-10--S

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Career Life Education provides students with opportunities to explore a variety of careers and options for their future. The course helps students make connections between classroom experiences and post-secondary contexts, and is intended to make learning meaningful through interactions with community experts, online research, and field experiences. Students will develop curricular competencies related to: Careers, Education, Finances, Health, and Well-being. The course lays the foundation for creation of an integrated post-graduation plan presented in the form of a Capstone Project. Successful completion of Career Life Education 10 is required for graduation.

Career Life Connections 12 MCLC-12—S

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Career Life Connections focuses on the experiential and applied learning that will guide students in their next steps following secondary school. Through learning experiences within and outside the classroom, students are expected to develop an integrated post-graduation plan that is presented through a Capstone Project that includes:

- Careers: possible pathways based on a student's interests and skillset
- Post-Secondary program high school requirements and course pre-requisites

- Education: formal training (school-based), informal training (life learning & workshops), and on-the-job training (apprenticeships, work experiences)
- Networking and Mentorship: students complete teacher-supported independent tasks that empower them to reach out and connect with individuals and organizations in the community
- Finances: determining a budget & financing options for post-secondary
- Health and well-being: choices that help you manage stress and enjoy a balanced life

Students are able to complete Career Life Connections (CLC 12) in one of 3 ways: [BACK TO HOME PAGE](#)

Option 1: CLC12 can be completed through the Matheson Co-op in Semester 2 of a student's grade 11 year.

Option 2: CLC12 can be completed in either the second semester of grade 11 or the first semester of grade 12 as a stand-alone course.

Option 3: CLC12 can be completed as part of Concert Band 11 or 12 as a linear course with other Band students.

Career Education Co-op Program

Co-ops provide opportunities for students, teachers, and employers to co-operate in achieving one very important goal: preparation for the future.

Course and Curriculum Advantages:

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- Integration between subject areas
- Opportunities for extended projects that could not normally be completed within a regular length class
- Opportunities for field experiences that could not otherwise be included
- Earn 20 credits for this semester (4 extra credits compared to a regular semester)

Work Experience Advantages:

- Fantastic opportunity to experience a career area that interests you on a first-hand basis, to build soft skills and entry level knowledge, to see and to participate in specialized areas
- Answers can be found to the question: “Is this what I see myself doing in the future?”
- Opens the doors for summer and after-school jobs. Puts your foot in the door

Student Support Advantages:

- Fantastic match of curriculum to teacher background. Each of our Co-op teachers is a specialist and shares his/her excitement and enthusiasm for course content.
- Two teachers for the semester means that teachers get to know you and can help with any challenges.

People Related Advantages:

- Opportunities for the development of a team. Peers work together - build a network of relationships, shared experiences and personal growth.

How do I Apply?

- Students apply during October of their Grade 10 year. Do not check Co-op on your course selection form unless you have received a conditional offer of acceptance prior to course selection.

Students who want to take part in a Co-op must:

- Have good attendance
- Have good work habits
- Show responsibility, professionalism, and self-motivation
- Have the ability to work independently and efficiently, with minimal supervision
- Participate in the application and interview process prior to course selection

Where do I Apply?

Applications are available at the Career Centre between September and October of an applicant's grade 10 year. Students selecting CO-OP on their course selection form must have previously received an offer of conditional acceptance from the Career Centre. Offers have historically been sent out before Winter Break.

“I just feel like I know now. I know what I want. I know how to get there, and I’m doing it.”

-A. Gumber, Co-op student

Co-op Program

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Matheson Co-op 11 (Semester 2 - credit awarded for 5 courses)

Composition 11 & Spoken Language 11	8 credits
A Social Science 12 course (eg. Philosophy 12)	4 credits
Career Life Connections 12	4 credits
Work Experience 12 A	4 credits

*** for students with a heavy academic load in non-Co-op semester, Co-op students are eligible to apply for a grade 11 study

“Co-op changed my life. Before Co-op I was shy and would never speak in front of large crowds or reach out to adults or opportunities. I am confident, comfortable, and sure of myself because of Co-op.”

S. Sharma

We are always looking for employers who are willing to offer work experience opportunities for our students. If you are interested in providing a 2-week job-shadow/work experience, please contact Ms. Konkin in the Career Centre at 604- 588-3418 or at Konkin_j@surreyschools.ca

Culinary Arts Department

Culinary Arts 10 MCUL-10--S

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The Culinary Arts Program will provide opportunities for students to attain the basic knowledge and understanding of a working kitchen, as well as to develop the skills required for employment in a food service environment. Students are participating in a functioning food service operation where they are exposed to the expectations of a professional kitchen. In Culinary Arts 10 students will focus on workplace safety, proper and safe food handling, building skills in both the practical and theoretical components of food cooking methodology. For most students, this will be an introduction to the appropriate use and care of industrial tools and equipment, weighing and portioning, culinary terminology and the basic cooking and baking standards. Food Safe level one certification is an option offered to students who take this program.

Culinary Arts 11 MCUL-11--S

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The Culinary Arts Program will provide opportunities for students to attain the basic knowledge and understanding of a working kitchen, as well as to develop the skills required for employment in a food service environment. Students are participating in a functioning food service operation where they are exposed to the expectations of a professional kitchen. In Culinary Arts 11 students will focus on workplace safety, proper and safe food handling, building skills in both the practical and theoretical components of food cooking methodology. For most students, this will be an introduction to the appropriate use and care of industrial tools and equipment, weighing and portioning, culinary terminology and the basic cooking and baking standards. Food Safe level one certification is an option offered to students who take this program.

Culinary Arts 12 MCUL-12--S

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This is the second level of the Culinary Arts Program where the focus is on preparing secondary school students to be successful in a professional environment by continuing to develop their skills in the kitchen, understand the importance of behaving in a professional manner, and applying the principals of basic cooking methods. This will include students learning how to identify, select and use suitable culinary ingredients; including meat, fish, poultry, dairy and vegetables, to comprehend professional culinary recipes and terminology, as well as be able to do basic kitchen math. Students will also learn to follow the proper methods and principals for the seasoning and presentation of food as well as how to apply the design of food components required for creating and serving menu items in our kitchen. Food Safe level one certification is an option offered to students who take this program.

English Language Arts Department

<i>Grade</i>	<i>Options</i>
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10	<i>Choose one of the following courses (4 credits each):</i>	
	<ul style="list-style-type: none"> • Creative Writing & Composition 10 • Literary Studies & Composition 10 • New Media & Composition 10 • Spoken Language & Composition 10 	
11	<i>Choose one or more of the following courses (4 credits each):</i>	
	<ul style="list-style-type: none"> • Composition 11 • Creative Writing 11 • Literary Studies 11 • New Media 11 • Spoken Language 11 	
12	<i>Choose this mandatory course (4 credits):</i>	<i>If you want to take additional courses, choose one or more of the following (4 credits each):</i>
	<ul style="list-style-type: none"> • English First Peoples 12 	<ul style="list-style-type: none"> • Composition 12 • Creative Writing 12 • Literary Studies 12 • New Media 12 • Spoken Language 12

Grade 10 English Language Arts Courses

All Grade 10 students take a course that combines Composition 10 and another English course. Students may take more than one set of English 10 courses.

Grade 10 students must take the provincial Grade 10 Literacy Assessment. That assessment is connected to all subjects, not just English Language Arts.

Click here to learn more: <https://curriculum.gov.bc.ca/provincial/grade-10-literacy-assessment>.

Creative Writing & Composition 10 MCTWR10—B/MCMPS10—B

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Creative Writing and Composition 10 lets students flex their imaginative muscles through a wide range of writing styles. Students experiment with creativity, push boundaries beyond typical thinking, and reflect upon personal and cultural identities.

Literary Studies & Composition 10 MLTST10—B/MCMPS10—B

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Literary Studies and Composition 10 explores specific themes, time periods, authors and/or areas of the world through literature and a variety of media texts. Literature such as world, feminist, Canadian or First People’s may be explored through poetry, short stories, novels, drama, graphic novels and children’s literature.

New Media & Composition 10 MNMD10—B/MCMPS10—B

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New Media and Composition 10 focuses on various formats and types of media. The course may include topics like journalism, storyboarding (film), writing process (scripting, recording, and editing podcasts), and visual literacy (graphic novels and long-form visual techniques/composition). Students will explore their role and responsibilities as digital citizens.

Spoken Language & Composition 10 MSPLG10—B/MCMPS10—B

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Spoken Language and Composition 10 supports students as they develop their spoken communication through processes of questioning, exploring, and sampling. The course introduces students to varied structures, forms, and styles of oral compositions and provides opportunities to individually and collaboratively study, draft, and use language to create original pieces. This course may also include performance, storytelling, and public speaking.

Grade 11 English Language Arts Courses

Grade 11 students choose from courses in Composition, Creative Writing, Literary Studies, New Media, and Spoken Language. These lead into the core English First Peoples 12 course, as well as into grade 12 versions of each of the electives. Students may take more than one English 11 course.

Composition 11/12 [MCMPS11—S/ MCMPS12—S](#)

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Composition 11/12 focuses on developing students' skills in written communication. Students think critically as they explore, extend and refine their writing. They work individually and collaboratively to explore, create, and revise purposeful compositions that include narrative, expository, descriptive, persuasive and reflective pieces. Possible areas of focus include nonfiction genres, writing processes, writing for audiences, and research.

Creative Writing 11/12 [MCTWR11—S/ MCTWR12—S](#)

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Creative Writing 11/12 lets students flex their imaginative muscles through a wide range of writing styles. Students experiment with creativity, push boundaries beyond typical thinking, and reflect upon personal and cultural identities. Possible areas of focus include contemporary creative forms, creative nonfiction, poetry & song lyrics, and multimodal creative forms that combine visual, written, and oral texts.

Literary Studies 11/12 [MLTST11—S/ MLTST12—S](#)

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Literary Studies 11/12 explores specific themes, time periods, authors, and/or areas of the world through literature and a variety of media texts. Literature such as world, feminist, Canadian or First Peoples may be explored through poetry, short stories, novels, drama, graphic novels, and children's literature. Possible areas of focus include genre-specific studies, Canadian literature, First Peoples texts, thematic studies, and specific author studies.

New Media 11/12 [MNMD-11—S/ MNMD-12—S](#)

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New Media 11/12 focuses on the increasing importance of digital media and literacy in communicating and exchanging ideas. Students will explore and create digital and interactive media. This may include film studies, publishing, poetry, song lyrics, blogging, writing for the web, social media, gaming, and pod casting. Possible areas of focus include media & film studies, journalism & publishing, and digital communication.

Spoken Language 11/12 [MSPLG11—S/ MSPLG12—S](#)

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Spoken Language 11/12 supports students in their development of spoken communication through questioning, exploring, and sampling. The course introduces students to varied structures, forms, and styles of oral compositions. Students individually and collaboratively study, draft, and use language to create original pieces in a variety of modes. Students perform, tell stories, and speak publicly. Possible areas of focus include performance and professional applications.

Grade 12 English Language Arts Courses

Grade 12 students at Matheson take English First Peoples 12 to satisfy graduation requirements. They may also take one or more grade 12 electives in English Language Arts, choosing from Composition, Creative Writing, Literary Studies, New Media, and Spoken Language.

Grade 12 students must take the provincial Grade 12 Literacy Assessment. That assessment is connected to all subjects, not just English Language Arts.

Click here to learn more: <https://curriculum.gov.bc.ca/provincial/grade-12-literacy-assessment>.

English First Peoples 12 MENFP12—S

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English First Peoples 12 is an engaging and thought-provoking chance to explore First Peoples literature in depth. It is grounded in the First Peoples Principles of Learning and designed for all students, Indigenous and non-Indigenous. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples voices.

Physical Health and Education Department (PHE)

Grade 10 (Required Course)	Grade 11 / 12 (Optional)
<i>Must select one course (4 Credits each)</i>	<i>All courses are optional (4 credits each)</i>
<ul style="list-style-type: none"> • Physical Health Educ. 10 (Co-ed) • Physical Health Educ 10 (Girls) • Physical Health Educ 10 - Basketball • Physical Health Educ 10 – Soccer • Physical Education 10 Leadership • APSL – Soccer Academy 10 <i>Linear</i> 	<ul style="list-style-type: none"> • Physical Health Educ 11/12 (Co-ed) • Physical Health Educ 11/12 (Girls) • Physical Health Educ 11/12 – Basketball Comp • Physical Health Educ 11/12 – Basketball Rec • Physical Health Educ 11/12 – Soccer • Weight Training 11 / 12 • Weight Training 11 / 12 (Girls)

Physical Health and Education 10 (Co-ed) MPHED10—S-B

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The goal of physical education is to develop a positive attitude toward lifelong physical activity. In grade 10, students will continue to develop competencies in a variety of activities. The three major curriculum organizers are: Physical Literacy, Healthy & Active Living, and Social, Mental, and Community Health.

Physical Health and Education 10 (Girls) MPHED10—S-G

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The goal of physical education is to develop a positive attitude toward lifelong physical activity. In grade 10, students will continue to develop competencies in a variety of activities. The three major curriculum organizers are Physical Literacy, Healthy & Active Living, and Social, Mental, and Community Health. This course will be in an all-female environment and will help girls build the skills, knowledge, and attitudes necessary to help them develop a lifestyle that will keep them healthy and fit as they move into adulthood.

APSL (Academy of Premier Soccer and Leadership) MPHED10—S-APSL

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It is a linear course with a combination of CLE 10. Application and fees are required for this course. Previous club experience is also required. Students will be contacted to confirm enrolment.

Physical Health and Education 11 (Co-ed) MACLV11-S

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The PHE 11 curriculum focuses on promoting healthy attitudes and regular physical activity as important parts of each student’s lifestyle. The curriculum has three major organizers: Personal and social responsibility; Movement and Active living. Students will be exposed to many community-based activities and will participate in the Emergency Level First Aid Course.

Physical Health and Education 12 (Co-ed) MACLV12-S

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Themes for this course are sport and leisure pursuits and leadership. Community recreational activities from PHE 11 will be expanded upon. Students will also be required to perform school and/or community service in a recreational setting. Students will complete their CPR training with the Surrey Fire Department.

Physical Health and Education 11/12 (Girls) MACLV11-S-G/ MACLV11-S-G

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This course is a continuation of Girls’ PHE 10, in that it focuses more on non-competitive personal fitness activities rather than traditional sports played in PE classes. Though the class will still involve playing some games and sports, it will be in an all-female environment, and will help girls build the skills, knowledge, and attitudes necessary to help them develop a lifestyle that will keep them healthy and fit as they move into adulthood.

Physical Health and Education 10 – Basketball Competitive Co-ed MPHED10—S-BB- CO [BACK TO HOME PAGE](#)

This high intensity course is designed to help students improve their basketball skills to prepare them to play at the high school or community level in the future. In this course, students will work on skills such as shooting, passing,

and one on one moves. Students will also learn about offensive and defensive strategies, as well as how to improve their athleticism (speed, quickness, agility and vertical). This will be a competitive environment with an emphasis on skills and fitness.

Physical Health and Education 11-12 – Basketball Competitive Co-ed **MACLV11-S-BB-CO/ MACLV12-S-BB-CO** [BACK TO HOME PAGE](#)

This high intensity course is designed to help students improve their basketball skills to prepare them to play at the high school or community level in the future. In this course, students will work on skills such as; shooting, passing, and one on one moves. Students will also learn about offensive and defensive strategies, as well as how to improve their athleticism (speed, quickness, agility and vertical). This will be a competitive environment with an emphasis on skills and fitness.

Physical Health and Education 10-12 – Basketball Recreational Co-ed **MACLV11-S-REC/ MACLV12-S-REC** [BACK TO HOME PAGE](#)

This course is designed to help students improve their basketball skills and fitness while having fun. In this course, students will work on skills such as shooting, passing, and one on one moves. This will be a recreational environment with emphasis on team play and having fun.

Physical Health and Education 10-12 Soccer **MPHED10-SOC/MACLV11-SOC** [BACK TO HOME PAGE](#)

This course is designed to allow students to engage in something they are passionate about. PHE Soccer will improve student skills in fitness training, nutrition, strength, sport physiology and mental training. Students will be evaluated in areas of on-field and off-field performance. There will also be an emphasis on leadership. This is not a co-ed course. The boys course will run semester 1 and the girls course will run semester 2 to coincide with soccer seasons.

Human Performance 10-12 Co-ed **MPHED10-HUMPERF/MACLV11-HUMPER** [BACK TO HOME PAGE](#)

Human Performance takes in depth look at the potential hidden within the human body. It covers a variety of topics from physical, mental, and emotional well-being to nutrition, sports specific training, and resistance training. If you want to untap you hidden potential, Human Performance is the class for you.

Physical Education Leadership 10 **MPHED10—Y-LEAD**

(Credit for PE 10, is listed on course list under Leadership) [BACK TO HOME PAGE](#)

The emphasis of the P.E. Leadership Program is to introduce students to a variety of leadership opportunities in P.E. classes and within the Athletic Program. **The course will run year-long, backed with Social Studies 10.** Students will apply leadership and organizational skills in activities such as: tournament coordination, officiating, lunch-time intramurals, and in the organization of school events. For example, students will receive training in minor officiating and will be expected to commit to a minimum of 20 hours of volunteer service outside of class time to the school's athletic program. Students will be exposed to a variety of sports and games similar to a regular P.E. 10 class, and also have the opportunity to try community based recreational activities.

This is an extremely popular course at LAM with far more demand than spaces. Students will be chosen for this class teacher recommendation, interviews and some spots will be determined through a lottery system. If you chose this course, be especially diligent about selecting alternate courses.

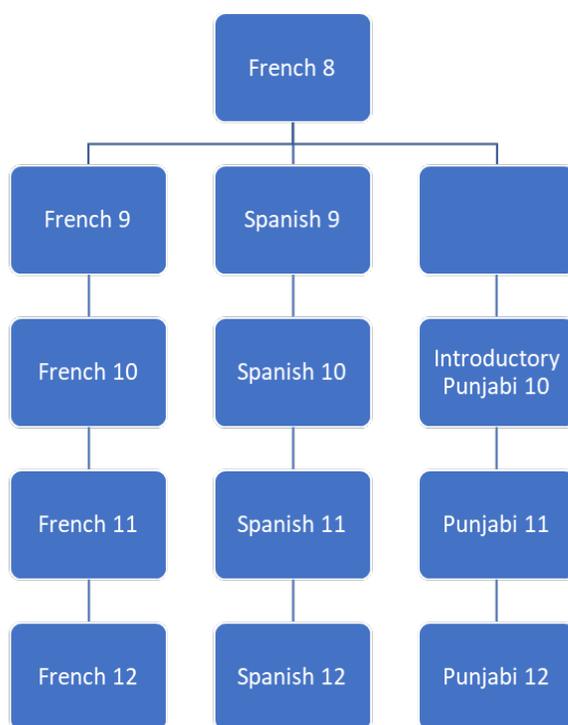
Weight Training 11/12 Co-ed **YLRA-1A-S-CO** [BACK TO HOME PAGE](#)

Students will gain hands-on training techniques, knowledge of principles of training, safety procedures and adaptations to training and supplement use. Students will develop an individual weight training program and conduct the implementation of the plan in reaching personal goals.

International Languages Department

Grade	French	Spanish	Punjabi
10	French 10	Spanish 10	Punjabi 10 (Introductory)
11	French 11	Spanish 11	Punjabi 11
12	French 12	Spanish 12	Punjabi 12

It is important that students must take the Grade 10 Language that they want to pursue in Grade 11 and 12. For example students who want to take Punjabi 11 must take Punjabi 10 first unless they have a proficiency in the basics. Students can take more than one language as an elective. Taking any of the 3 languages French, Spanish and Punjabi meets the university pre –requisites for a Language credit.



French 10 MFR—10—S

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Students will continue to increase their abilities to communicate in French (listening, speaking, reading and writing) in context, achieve positive attitudes about using French and their own abilities as language learners, develop understanding and appreciation of culture, and explore issues and interests using French as the medium of expression. This course is based on exploring the language through a variety of themes such as survival French for travel, the news, shopping, protecting the environment, and leisure activities.

French 11 MFR—11—S

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Students will continue to increase their abilities to communicate in French (listening, speaking, reading and writing) in context, achieve positive attitudes about French and their own abilities as language learners, develop understanding and appreciation of culture, and explore issues and interests using French as the medium of expression. This course includes units of work based on themes such as memories from childhood, ethnic foods, advertising, and travel.

French 12 MFR—12--S

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French 12 is a continuation of French 11. There will be an introduction to various literacy genres, further study of more sophisticated grammar, and polishing the student's composition style. The primary objective is to develop the highest possible degree of fluency in order to enable the student to think, write, speak and read the French language.

Punjabi 10 MPUN-10--S

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This is an introductory level Punjabi course open to Grade 10 or 11 students who have never taken a Punjabi course before and do not have any formal Punjabi language skills. This beginner's course is designed to introduce the students to Punjabi alphabets, basic grammar structures, vocabulary and oral skills. Punjabi culture is also explored with emphasis on history, festivals, religion and music. *Students who intend to use Punjabi as their language requirement for graduation or university entrance must take Punjabi 11 after the completion of this course.* Students may take Punjabi 10 and 11 in the same school year, if the schedule allows it.

Punjabi 11 MPUN-11--S

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This is an intermediate level Punjabi course open to students who have successfully completed Punjabi 10 or has equivalent formal language background in Punjabi. Through a variety of communicative activities and projects, students will continue to expand their vocabulary and refine their ability to talk and write about past events as well as express their opinions about more abstract and hypothetical ideas. It also builds skills already acquired in the language. Students will develop communication skills through listening, speaking, reading and writing. Punjabi culture is also explored with emphasis on history, festivals, religion and music. *Successful completion of Punjabi 11 provides the minimum language entrance requirement needed for university.*

Punjabi 12 MPUN-12--S

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Punjabi 12 builds on the skills of Punjabi 11. The focus is on literature, poetry and grammar, with emphasis on novels, short stories and Punjabi Cinema. Culture exploration is also an integral part of this course. The objective is to develop the highest possible degree of fluency in order to enable the student to think, read, write and speak the Punjabi language.

Spanish 10 MSP—10--S

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Spanish 10 is a continuation of Spanish 9 where students will continue to learn more advance forms of grammar, vocabulary and communication skills. Students will further develop their knowledge on how to read, write, listen and speak effectively. Engagement in cultural lessons will also be included as students will learn more about Spanish and Latin traditions.

Spanish 11 MSP—11--S

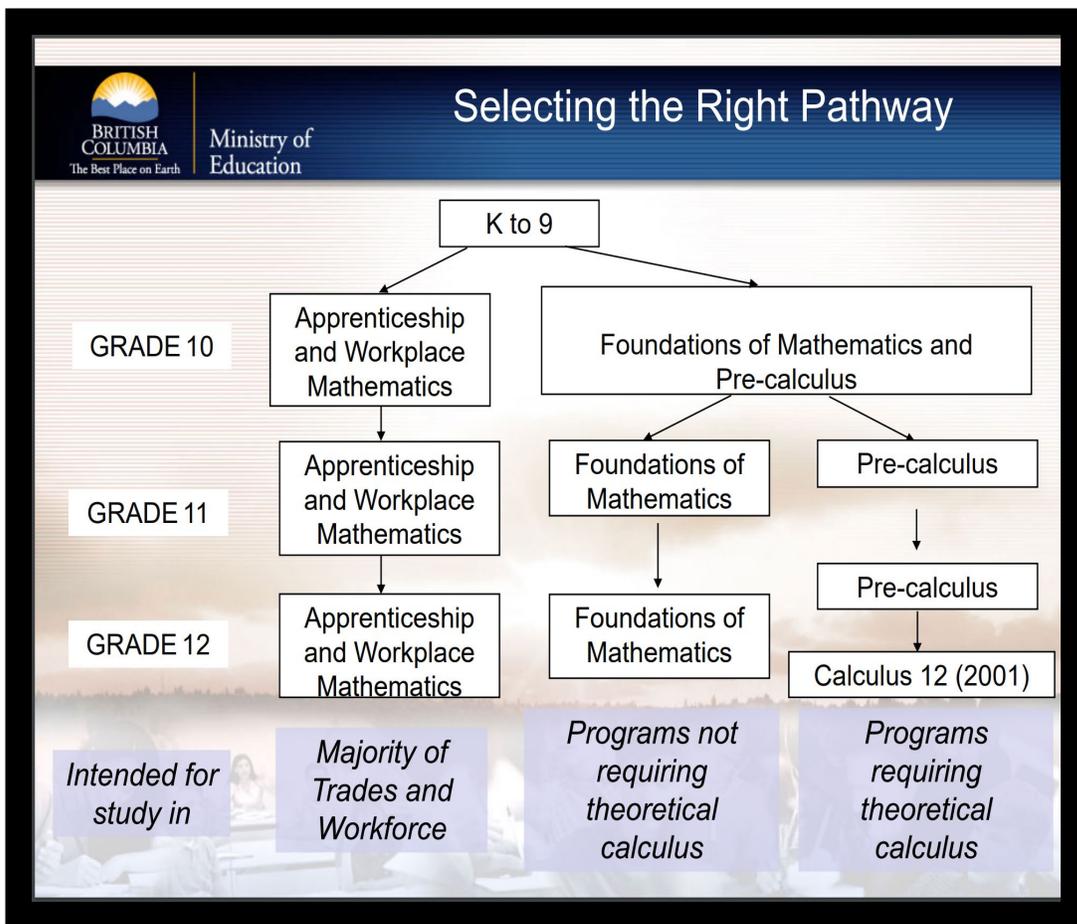
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With the culmination of Spanish 9 and 10, Spanish 11 will continue to teach students how to communicate effective through speaking, listening, reading and writing skills. Students will learn more about Spanish and Latin traditions and become more involved in the history of oral traditions of indigenous peoples from Central and South America.

Spanish 12 MSP—12--S

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This course is a more in-depth look at the basic concepts of Spanish grammar and introduces many of the finer points of grammar and vocabulary. Here students' knowledge of Spanish will enhance and they will gain confidence in their knowledge of the Spanish Language. The continuation of oral story telling and culture lessons will thrive further as students will understand more about the traditions of various Spanish speaking countries.



Mathematics 10: Foundations and Pre-Calculus MFPM-10—S

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This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary studies in the field of Mathematics, Science, Commerce, Social Sciences or Fine Arts. Topics include operations on powers, prime factorization, functions & relations, linear functions, arithmetic sequences, systems of linear equations, polynomials, trigonometric ratios, and financial literacy. This course leads to either Math 11: Foundations or Math 11: Pre-Calculus.

To be successful in this course, students will need a strong grasp of the algebra, graphing and calculation skills developed in math 9

Mathematics 10: Workplace MWPM-10—S

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This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into majority of trades and for direct entry into the work force. Topics include working with graphs, primary trigonometric ratios, measurement & conversions, surface area & volume, central tendency, experimental probability, and financial literacy. This course leads to Math 11: Workplace.

Mathematics 11: Foundations MFOM-11—S

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This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus, such as Social Sciences, Humanities, and Fine Arts. Topics include mathematical reasoning, angle relationship, graphical analysis: linear inequalities, quadratic functions, systems of equations, optimization, applications of statistics, scale models, and financial literacy. This course leads to Foundations of Mathematics 12.

To be successful in this course, students should be comfortable with the basic aspects of relations, functions and their graphs. Students should also have a fairly strong command of the algebra and calculation skills covered in Foundations/Pre-Calculus 10.

Mathematics 11: Pre-Calculus MPREC11—S

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This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus, such as Mathematics, Sciences, Engineering, Medicine and Commerce. Topics include real number system, powers with rational exponents, radicals, polynomial factoring, rational expressions & equations, quadratic functions & equations, inequalities, trigonometry, and financial literacy. This course leads to Math 12: Pre-Calculus 12.

To be successful in this course, students will need fluency with prior concepts relating to functions, a thorough command of algebra and a strong understanding of how to relate graphs and equations.

Mathematics 11: Workplace MWPM-11—S

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This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into majority of trades and for direct entry into the work force. Topics include rate of change, probability & statistics, interpreting graphs, 3D objects, and financial literacy.

Mathematics 12: Pre-Calculus MPREC12—S

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This is a next level course to Pre-Calculus 11, designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus, such as Mathematics, Sciences, Engineering, Medicine and Commerce. Topics include transformations of functions & relations, exponential & logarithmic functions, geometric sequences & series, polynomial functions & equations, rational functions, and trigonometric functions, equations & identities. This course leads to Calculus 12.

To be successful in this course, students must have a thorough command of the calculation, algebra and graphing strategies covered in Pre-Calculus 11.

Calculus 12 MCALC12—S

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Calculus 12 is designed for students who have particular interest in mathematics, or who have career aspirations in the fields of Engineering, Medicine, Mathematics, Sciences, Economics, and some Business Ed. programs. Topics include functions and graphs, limits and continuity, differentiation, rate of change, higher order and implicit derivatives, applications of derivatives, integration, approximations, fundamental theorem of calculus, methods of integration, and applications of integrals. Students who plan on registering in a university or college Calculus course are strongly recommended to take this course. Calculus 12 is required for some university programs.

Science Department

Grade	Science												
Grade 10	Science 10 (4 credits)												
Grade 11 / 12	<p><i>1 or more of the following options (4 credits each):</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Chemistry 11</td> <td style="width: 50%;">Chemistry 12</td> </tr> <tr> <td>Life Science 11</td> <td>Anatomy and Physiology 12</td> </tr> <tr> <td>Physics 11</td> <td>Physics 12</td> </tr> <tr> <td>Environmental Science 11/12</td> <td></td> </tr> <tr> <td>Science for Citizens 11</td> <td></td> </tr> <tr> <td>Earth Science 11</td> <td></td> </tr> </table>	Chemistry 11	Chemistry 12	Life Science 11	Anatomy and Physiology 12	Physics 11	Physics 12	Environmental Science 11/12		Science for Citizens 11		Earth Science 11	
Chemistry 11	Chemistry 12												
Life Science 11	Anatomy and Physiology 12												
Physics 11	Physics 12												
Environmental Science 11/12													
Science for Citizens 11													
Earth Science 11													

Science 10 MSC—10-S

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Science 10 focuses on the three main branches of science: Biology, Chemistry, and Physics.

- The Biology unit focuses on DNA, genetics, and inheritance.
- The Chemistry unit introduces students to acids and bases, chemical reactions, and radioactivity.
- The Physics unit examines Kinetic and Potential energy and their transformation

Each unit will prepare the student for their equivalent senior science courses.

Chemistry 11 MCH—11—S

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Recommend a C+ or better in Foundations of Mathematics 10 & Recommend a C or better in Science 10

Why take this course? Many post-secondary programs have Chemistry 11 as a prerequisite for many areas of study including nursing, medicine, dentistry, engineering, pharmacy, etc.

Topics in Chemistry 11 include:

- Significant Figures to properly do mathematic calculations
- Stoichiometry to calculate mass, volume, and/or number of a chemical
- Atomic Theory to determine atomic configurations and draw proper molecules
- Organic Chemistry to learn organic nomenclature and draw organic structures

This is a math focused course so expect to do a lot of calculation work almost every class.

Chemistry 12 MCH—12—S

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Recommend a B or better in Chemistry 11

Why take this course? Many post-secondary programs have Chemistry 12 as a prerequisite for many areas of study including nursing, medicine, dentistry, engineering, pharmacy, etc.

Topics in Chemistry 12 include:

- Reaction Kinetics to predict involvement of energy and factors affecting reaction rate
- Equilibrium systems and how they can be manipulated to shift equilibria
- Solution Chemistry to predict precipitate formation
- Acids and Bases new theories and the pH of solutions
- Redox reactions and how batteries work

Chemistry 12 is a very theory focused course unlike Chemistry 11 therefore practice is regularly required to truly master concepts and ideas.

Life Science 11 MLFSC11—S [BACK TO HOME PAGE](#)

Recommend a C or better in Science 10

Why take this course? Many post-secondary programs have Biology 11 as a prerequisite for many areas of study including dentistry, medicine, nursing, veterinary medicine, kinesiology, etc.

Topics in Life Sciences 11 include:

- Classification of living things
- Microbiology and Virology and its impact on living things
- Evolution of species over time
- Taxonomy of non-vertebrates to vertebrates

Life Sciences 11 provides a great overview of life starting with single cells and ending with animals with backbones. First year biology classes at post secondary school are based on the concepts found in this course.

Anatomy and Physiology 12 MATPH12—S [BACK TO HOME PAGE](#)

Recommend an A or better in Science 10 (If student is in Grade 11)

Recommend a B or better in Chemistry 11 (If student is in Grade 12)

Why take this course? Many post-secondary programs have Anatomy and Physiology 12 as a prerequisite for many areas of study including dentistry, medicine, nursing, veterinary medicine, kinesiology, etc.

Topics in Anatomy and Physiology 12 include:

- Biochemistry and Molecular Biology
- Cell Organelles in great detail
- DNA transcription and translation
- Most organ systems with their functions, how they work, and diseases caused when they do not function properly

This course is content heavy and therefore contains lots of material to memorize for the length of the semester.

Earth Science 11 MESC-11—S [BACK TO HOME PAGE](#)

Recommend completion of Science 10

Why take this course? Many post-secondary programs have Earth Science 11 as a prerequisite for many areas of study including geology, mining, environmental engineering, meteorology, oceanography, etc.

Topics in Earth Science 11 include:

- Mineral and Rock identification and formation
- How Plate Tectonics has shaped the Earth
- Astronomy which in turn helps us understand more about the Earth
- Climate changes causes and possible future implications

This is a survey course designed to introduce students to the diverse aspects of Earth and space science with real world applications. These topics will be taught within a British Columbia/ Canadian context with a focus on sustainability and will include First Nations' perspectives.

Science for Citizens 11 MSCCT-11—S [BACK TO HOME PAGE](#)

Recommend completion of Science 10

Why take this course? This course can satisfy any students grade 11 science credit particularly if they are not planning to pursue a degree in a science field.

Topics in Science for Citizens may vary depending on teacher, but may include:

Health Science and Nutrition	Forensics	
Hazardous Chemicals	Aeronautics	Environmental Science

- Will vary depending on the instructor

These topics will be taught within a British Columbia/Canadian context with a focus on sustainability and will include First Nations' perspectives.

Physics 11 MPH—11—S

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Recommend a B or better in Foundations of Mathematics 10

Recommend a B or better in Science 10

Why take this course? Many post-secondary programs have Physics 11 as a prerequisite for many areas of study including engineering, computer sciences, geophysics, biophysics, medicine, etc.

Topics in Physics 11 include:

Kinematics in 1 and 2 dimensions

Newton's three Laws of Motion

Dynamic Forces and Energy

Wave Phenomenon

This course offers the most challenging science 11 experience connecting scientific theory with complex mathematics problem solving skills.

Physics 12 MPH—12—S

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Recommend a B or better in Physics 11

Why take this course? Many post-secondary programs have Physics 11 as a prerequisite for many areas of study including engineering, computer sciences, geophysics, biophysics, medicine, etc.

Topics in Physics 12 include:

Vectors and Relative Motion

Electrostatics and Electromagnetism

Projectile Motion and Dynamics

Circuits

This course offers the most challenging science 12 experience connecting scientific theory with complex mathematics problem solving skills.

Environmental Science 11 / 12 MEVSC11—S/ MEVSC12—S

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Recommend completion of Science 10

Why take this course? Many post-secondary programs have Environmental Science 11 as a prerequisite for many areas of study including environmental consultants or planners, conservationist, forestry, ecology, sustainable housing development, etc.

Topics in Environmental Science 11/12 include:

- Diversity of plant and animal life
- Sustainability of resources in our environment
- Ecosystems and their interconnecting relationships

This course is ideal for students who wish to put their focus on the world around them and how we interact with it and how it interacts with us.

Forensics 11/12 MSPSC12—S-FORENSICS

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Recommend a B or better in Science 10

Why take this course? Students career path which may involve Forensics such as law enforcement, criminology, or forensic science should take this course

Topics in Forensics 11/12 include:

- Fingerprint Science and connecting it to crime scenes
- DNA structure and its role in identifying crime perpetrators
- Blood spatter science and interpreting what it tells a crime scene investigator
- Entomology and its role in helping determine time of deaths of victims
- Fundamentals of basic criminal law

Forensic science is the application of scientific knowledge to questions of civil and criminal law. This is a perfect course for anyone interested in the science behind solving crimes.

Lab Aide 12 MSPC12—S

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Recommend a B or better in Science 10

Must have B or better in Chemistry 11 and must meet with Mr. Marques directly to obtain permission to take this course.

Why take this course? Students looking to boost their resumes with practical real world science experience should take this course. This course allows students to show their independence and responsibility in preparing scientific materials.

Topics in Lab Aide 12 include:

- Going through a WHMIS certification program
- Preparing chemical solutions and scientific experiments safely
- Cleaning and disposing of scientific materials safely
- Maintaining a clean working environment

This course gives you real world experience you can take with you to a future job or post-secondary.

Social Sciences Department

Though they focus on various aspects of Social Science, all courses are equally rigorous and develop similar skills. All courses use the inquiry model and are assessed according to the Six Historical/Critical Thinking Benchmarks. In each grade, students can take:

Grade 10	Grade 11/12 (2024-2025)	Grade 11/12 (2025-2026)
Social Studies 10	<p><i>1 or more of the following courses (4 credits each):</i></p> <ul style="list-style-type: none"> • 20th Century World History 12 • Asian Studies 12 • BC First Peoples 12 • Economics 12 • Law Studies 12 • Philosophy 12 • Social Justice 12 • Black Studies 12 • Psychology 11/12** <p>**Psychology cannot be used as a Social Studies 11 credit</p>	<p><i>1 or more of the following courses (4 credits each):</i></p> <ul style="list-style-type: none"> • Asian Studies 12 • BC First Peoples 12 • Law Studies 12 • Philosophy 12 • Social Justice 12 • Psychology 11/12** • Geography • Political Studies • Comparative Cultures: Ancient Egypt, Greece and Rome

Social Studies 10 **MSS-10-S**

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Social Studies 10 examines the political creation of the Dominion of Canada, a nation from “sea to sea” from about 1663 through to Confederation in 1867. It also examines Canada’s economic development up to the present. Specific learning outcomes will include an analysis of the conflicts between the French and British, the European immigrants and the Aboriginal peoples in North America, and between the British and the Americans. Issues of discrimination and racism will be explored and closely examined. Answers to questions like why Canada has two official languages and why Canada’s head of state is a king or queen, and why Canada is so much like the United States but remains a separate nation will be found in the conflicts that took place two hundred years ago and more. Geographic skills and knowledge will be reinforced and expanded, and an awareness and appreciation of current event issues will be encouraged.

20th Century World History 12 **MWH-12-S**

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What responsibilities to leaders have to their people? Why do leaders abuse their power? How did two World Wars and countless acts of violence occur in the 20th century? How did the collapse of the British Empire and the rise of American influence impact the world?

This course allows students to further develop their historical thinking skills using the history of the twentieth century. Major areas of study will include the rise and rule of authoritarian regimes from around the globe, global and regional conflicts and human rights movements. Students will also explore the social, cultural and political impacts of increasing globalization. Students will also learn research skills commonly used in post-secondary. This course will use the inquiry method of research and be assessed according to the historical thinking benchmarks.

Asian Studies 12 (1850- Present) MASIA12—S

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Are you interested in learning more about China, Japan, Korea, India, Vietnam and other Asian countries? How have these different cultures influenced each other? How have they been affected by countries from outside Asia and the numerous wars that took place within the region?

This course allows students to further develop their historical thinking skills using the history of modern Asia. Major areas of study will include the impact of colonialism, imperialism and resource disparity on peoples in Asia as well as the geographical features and population distribution in Asia. Students will study the impact of industrialization, globalization, economic systems, and resources on Asia and who these forces lead to migration within, between, and away from Asia. Current human rights issues such as the Hong Kong "umbrella protests", the treatment of Uighur and Rohingya peoples, will also be examined. This course will use the inquiry method of research and be assessed according to the historical thinking benchmarks

BC First Peoples 12 MBCFP12—S

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No Justice on Stolen Land, We are on the Unceded, Ancestral and Traditional Territories of the Coast Salish Territories, Settler Colonialism brought forward Genocide around our world.

What do these things mean, why do they matter, and why should every student learn about them?

Indigenous Studies 11/12 serves as a great introductory course for other classes like Law, Genocide Studies, Social Justice, and more. Students will learn through Indigenous worldviews, and ways of knowing. Students will explore the intersections of family, relationships, language, land and culture. We will celebrate the resilience, survival, and resurgence of Indigenous peoples in the face of colonialism. We will also not be afraid to question and respond to inequities in the relationships of indigenous people with settler colonial states the world over. We are settlers on these lands, so what are we going to do about it?

Economics 12 MECT-12—S

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Have you ever wondered how money shapes our world? How and why decisions around scarce resources are made? What about how wealth shapes power?

Economics takes a fundamental look at one of the key forces that shape our lives: scarcity. We live in a finite world, all of us are forced to make choices about how best to allocate limited resources; this is the starting point of economic thought. We will learn about both branches of Economics: Microeconomics -- supply and demand, elasticity, monopoly, etc. and Macroeconomics -- banking, money supply, international trade. We will examine the philosophical lenses that support various economic systems and learn about the history of economic thought, including Adam Smith and J.M. Keynes.

Geography 12 MPGEO12—S

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(not offered 2024-2025)

Geography relates human interactions with the physical world. We look at the structure of the earth, the agents in which shape the earth, and the destructive forces of the earth and how these topics affect human settlement and movement. We consider "man" and his environment in regard to resource management, conservation, pollution, and other current concerns. This course will use the inquiry method of research and be assessed according to the geographical thinking benchmarks.

Law Studies 12: Contemporary Issues on These Lands MLST-12—S

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Law goes far beyond policing and becoming a lawyer.

Are you interested in entering the legal field, criminology, political science, social work, business, or helping others? Law is a great course to take in social sciences. Can a legal system be about justice if it is not fair or equitable? Can we have justice on stolen lands? Just because something is a law, should it be followed? Law Studies will introduce you to the Canadian legal system. We will use an Indigenous Lens to explore the roots of our settler colonial system and the impacts of criminal, civil, family, and contract law on QTIBPOC populations. Topics of study may include effects of policing on communities, the Charter of Rights and Freedoms, Substantive and Procedural Criminal Law, Punishment vs Restorative based justice, Impact of Precedent setting cases on Indigenous Sovereignty(Wetse;weten, Mikmaq Fishing Rights, UNDRIP) and more. Students are expected to actively participate during class discussions, field trips, sessions with guest speakers, and courtroom simulations.

Philosophy 12 **MPHIL12—S**

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Can you prove you are not in a dream or simulation right now? If so, does that change how you should live your life? We are exploring life's big questions, and modern dilemmas. 'What is the meaning of life?' 'Why are we here?' 'Is it ok to lie?' 'What is the right thing to do?' 'What's better Marvel or DC?' It is not about having all the answers; it is about asking the right questions. We are going to engage in discussions and debates that challenge your thinking. You will be showing your learning through real world applications. Ready to dive into the world of profound ideas? Enroll in Philosophy 12 and let's explore together.

Social Justice 12: Anti-Oppression in Practice **MSJ—12—S**

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From the medical field to business to criminology, Social Justice is a must-take course. This is a course about you and the real world we live in. As we see injustices all around us, how do we deal with these realities, how do we empower ourselves to deal with injustices in our own lives? Social Justice is the transformation of systems to ensure an intersectional practice of justice that upholds all human rights. Through principles of Anti-Oppression and Anti-Racism you will examine social justice issues such as settler colonialism, White Supremacy, racism, cis-heteronormative violence through homo/transphobia, Patriarchal violence Economic Justice, Indigenous sovereignty, Environmental Justice and more. The course includes anti-oppression training on how to be an Accomplice while providing you with the opportunity to look at the causes and consequences of realities such as privilege, kyriarchy, and settler colonialism, both in Canada and globally. Challenge yourself to check your own biases, critically analyze systemic power, elevate counter-narratives and take action! This is an inquiry project and research based course. Get ready to be the change you want to see in the world.

Political Studies **MPLST12--S**

(not offered 2024-2025)

Political studies will examine the power relationships between citizens, government, and other bodies in the creation of public policies. Students will learn about different beliefs about the role and function of government as well as the election process and different electoral systems. In addition to examining the historical bases of political issues students will also examine current issues in local, regional, or national politics in Canada. This course will use the inquiry method of research and be assessed according to the critical thinking benchmarks.

Black Studies 12 **MPGEO12—S**

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Black Studies 12 provides all students with the opportunity to understand and challenge oppressive systems, examine how a diversity of Black peoples affected change in so-called British Columbia and Canada, explore complex contemporary Black identities, and reimagine their place and the futures on these lands. Students will gain a more complete and inclusive understanding of a diversity of Black homelands and the colonial roots of what today is known as Canada. Black Studies provides learners with the skills and knowledge to critically investigate past and present Black contributions, representation, and acts of resistance on the northern lands of Turtle Island.

****Note Black Studies cannot be used as a Social Studies 11 or 12 credit**

****Psychology 11/12 **YPSYC1A—S/ YPSYC2A—S****

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This course is designed to give students an introduction to Psychology. A variety of topics related to human behaviour and mental processes will be explored. There will be an emphasis on the development of critical thinking skills, collaboration, and dialogue. The goal of the course is for students to determine how psychological and social issues affect children, youth, and adults. With an understanding of these issues, students can evaluate the decisions they make with greater insight. Psychology 11/12 explores different learning processes such as artistic interpretation, inquiry questions, and verbal discourse. Critically examining human behaviour is the key objective of the course.

****Note Psychology cannot be used as a Social Studies 11 or 12 credit**

Comparative Cultures: Ancient Egypt, Greece and Rome MCMCL12—S

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(not offered 2024-2025)

Do you love mythology? Do you ponder about the Roman Empire? Did you know that Cleopatra lived closer to today than the building of the Great Pyramids?

This history course explores three of the most influential ancient civilizations: Greece, Rome and Egypt. Students will embark on a fascinating journey through time, delving into the political, social, economic, and cultural aspects that shaped these societies. By examining the unique characteristics of each civilization, students will gain a deeper understanding of the foundation of civilization and appreciate the contributions of that these ancient cultures made to the modern world. Throughout the course, students will engage in critical thinking, analysis and discussion, developing an understanding of the complexities and interconnectedness of these ancient civilizations.

Leadership Department

Students who want to take part in leadership courses must:

- have excellent attendance
- have excellent work habits
- be committed to work in a team environment to complete projects
- show initiative and self-motivation
- have the ability to work independently with minimal supervision
- provide two written recommendations from teachers
- students may also qualify for this course by special permission from the teacher

Community Leadership 10: (YIPS-0B—S)

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In Leadership 10, we look within ourselves to see how we can be more emotionally intelligent, build better character, how we can make Matheson our favourite place by promoting school spirit and look for ways to help our community. For example, students will be expected to plan school events, fundraisers and dances. This course is open to empathetic and keen students who have a vision to make our community a better place.

PE Leadership 10 (Credit for PE 10) MPHE10—Y-LEAD

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See Physical Health and Education Department for course descriptions, click [HERE](#).

This course is a full-year course, and it will be combined with Social Studies 10 (see Social Sciences section)

This course is for prospective students who have an interest in starting their journey in becoming leaders in the school and the community. The course includes many activities (indoors and outdoors) and field studies that encourage teambuilding. Students will get to explore their own leadership style and get the opportunity to lead and organize events or activities throughout the school for all types of events, including but not limited to: Grade 8 Day, Terry Fox Run, Food Bank Drive, Holiday events/fundraisers/community work, Grade 7 Tours, Lunch Intramurals, hosting elementary school playdays for various sports, LAM Pep Rally and many other activities and opportunities. The students in this class will also get training to officiate and score keep sports such as soccer, volleyball, basketball, hockey and badminton. Each student in this class will be expected to contribute a minimum of 20 hours to our school and you can earn them in a multitude of ways, including everything listed above in this description.

This course also gives you your PHE 10 credit (see Physical Health Education section).

Leadership 11 & 12 YIPS-1B—Y/YIPS-2B--Y

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This course is a full year course, and it will be attached with Law 12, Philosophy 12, or History 12 (see below for which course is offered for which year). If you plan on taking the course for only one year, then do not take the senior socials course that Leadership will be attached to the year before.

This course is for prospective students who have an interest in wanting to lead both in our school and in the community. The course includes many activities (indoors and outdoors) and field studies that encourage teambuilding. The course will examine different leadership styles and see how those styles can be effectively applied in various situations. Students will explore the necessary components to lead effectively and learn strategies on how to implement those components when they are leading. Students will get to explore their own leadership style and get the opportunity to lead and organize events or activities throughout the school for all types of events, including but not limited to: Grade 8 Day, Terry Fox Run, Food Bank Drive, Holiday events/fundraisers/community work, Grade 7 Tours, Lunch Intramurals, hosting elementary school playdays for various sports, LAM Pep Rally and many other activities and opportunities. Lastly, this course is for students who want to be challenged and who have a desire to explore themselves as learners and leaders.

Attached Senior Social Studies Course Timeline

- 2024-2025- Law 12 (see description in Social Sciences section)
- 2025-2026- Philosophy 12 (see description in Social Sciences section)

Student Services

Peer Mediation 11 & 12 YIPS-1C—S/YIPS-2C—S

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The general aim of this course is to provide students with skills in communication and mediation, enabling peer counsellors to provide support for their peers at L.A. Matheson. Students will also be involved in a leadership position as they are actively involved in reducing bullying and violence at Matheson. Upon re-entry into the school students who are suspended for fighting or bullying often see peer mediators, who will help these students peacefully resolve their problems.

Students who want to take part in the Peer Mediation program must:

- Be in grades 11 or 12
- Have an excellent attendance record
- Have excellent work habits
- Have good communication and organizational skills
- Be willing to help support younger students
- Be excellent role models
- Maintain a C+ or better GPA

Students who wish to take Peer Mediation must first complete an application form a counsellor.

Peer Tutoring 11/12 YIPS-1A—S/YIPS-2A--S

The Peer Tutoring 11/12 Course is a hands-on learning program which provides students an opportunity to examine and share their knowledge and learning strategies with an emphasis on building confidence, fostering positive relationships, and promoting collaborative learning. Along with gaining a broad understanding of strategies to address the diversity of a given student population, students will be able to model successful learning behaviors, develop effective communication and interpersonal skills, organizational, study and creative problem-solving skills.

Students who wish to take peer tutoring must first complete an application form (available in LST room – B131

