

# **COURSE CALENDAR**

## **2019 - 2020**



*"I wanted to try the impossible and show it could be done."*

- Terry Fox

## **Terry Fox Secondary School**

### **Course Calendar 2019/2020**

**1260 Riverwood Gate, Port Coquitlam, B.C. V3B 7Z5**

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**[www.sd43.bc.ca/school/terryfox](http://www.sd43.bc.ca/school/terryfox)**

**\*\*ART**

MVA--09	Visual Arts 9
MVAST10	Visual Arts/Art Studio 10 (General) AE
MVAST11	VISUAL ARTS: Art Studio 11 AE
MVAST12	VISUAL ARTS: Art Studio 12 AE
MADMA-09	Media Arts 9
MVAM-10	Visual Arts 10: Media Arts AE
MVAMT11	Visual Arts: Media Arts 11 AE
MVAMT12	Visual Arts: Media Arts 12 AE
XCER-09	Sculpture 9
MVAC-10	Studio Arts 3D 10 (Sculpture 10). AE
MVAC-11	Studio Arts 3D 11 (Sculpture 11). AE
MVAC-12	Studio Arts 3D 12 (Sculpture 12). AE
MVAD-11	Studio Arts 2D 11 Drawing and Painting 11 AE
MVAD-12	Studio Arts 2D 12 Drawing and Painting 12 AE
MVAGA11	VISUAL ARTS: Graphic Arts 11 AE
MVAGA12	VISUAL ARTS: Graphic Arts 12 AE
MVAPH11	VISUAL ARTS: Photography 11 AE
MVAPH12	VISUAL ARTS: Photography 12 AE

**\*\*BUSINESS COMMUNICATION**

MADEM09	ADST Business Education 9 ADST
MCLE-10	Career Life Education 10
MADEM10	ADST Entrepreneurship/Marketing 10 ADST
MMAP-11	Marketing and Promotion 11 ADST
MENT-12	Entrepreneurship 12 ADST
MAC--11	Accounting 11 ADST
MACC-12	Accounting 12 ADST
MEC--12	Economics 12 ADST

**\*\*DRAMA**

MDR--09	Drama 9 AE
MDRM-10	Drama 10 AE
MDRM-11	DRAMA 11 AE
MDRM-12	DRAMA 12 AE
MDRTP11	DRAMA: Theatre Production 11 AE
MDRTP12	DRAMA: Theatre Production 12 AE
MDRDS11	DRAMA: Directing and Script Development 11 AE
MDRDS12	DRAMA: Directing and Script Development 12 AE

**\*\*ENGLISH**

MEN--09	English Language Arts 9
MEN--09H	English Language Arts 9 Honours
MCMP510	Composition 10 (2)
MLTST10	Literary Studies 10 (2)
MCMP510H	Composition 10 Honours (2)
MLTST10H	Literary 10 Honours (2)
MCMP511	Composition 11
MCTWR11	Creative Writing 11
MLTST11	Literary Studies 11
MENST12	English Studies 12 *
MCTWR12	Creative Writing 12
MLTST12	Literary Studies 12

**\*\*EAL**

XLDCA10EAL	English Lang. Acquisition I
XLDCB10EAL	English Lang. Acquisition II
YESFLOA	English Language Development 10
YESFLOB	Introduction to Academic Language 10
YESFL1C	English Language Development 11

**\*\*HOME ECONOMICS**

MADFS09	ADST Foods Studies 9
MFOOD11	Food Studies 11 ADST
MFOOD12	Food Studies 12 ADST
MSPSF12	Specialized Studies in Foods 12 -C.A. International ADS
MADT-09	ADST Textiles 9

MTXT-10	Textiles 10 ADST
MTXT-11	Textiles 11 ADST
MTXT-12	Textiles 12 ADST
XHA--09	Home Arts/Home Economics 9 - (Textiles Crafts)
Y YHEC-0A	Textile Arts & Crafts 10 ADST
YHEC-1A	Textile Arts & Crafts 11 ADST
YHEC-2A	Textile Arts & Crafts 12 ADST
MIAFR11	Interpersonal and Family Relationships 11 ADST
MCDAC12	Child Development and Caregiving 12 ADST
MTRM-11	Tourism 11 ADST
MTRM-12	Tourism 12 ADST

**\*\*INFORMATION TECH**

MADIT09	ADST Information & Communications Technologies 9*
MMEDD11	ADST - Media Design 11* ADST
MWBDV10	Web Development 10 ADST
MMEDD12	Media Design 12 ADST
MCMPR11	Computer Programming 11 ADST
MCMPR12	Computer Programming 12 ADST
MGRPR11	GRAPHIC PRODUCTION 11 (yearbook) ADST
MGRPR12	GRAPHIC PRODUCTION 12 (yearbook) ADST

**\*\*LANGUAGES**

MFR--09	French 9
MFR--10	French 10
MFR--11	French 11
MFR--12	French 12
MBIT-11	Introductory Italian 11
MMAN-09	Mandarin Chinese 9
MMAN-10	Mandarin Chinese 10
MBMAN11	Introductory Mandarin 11
MMAN-11	Mandarin Chinese 11
MMAN-12	Mandarin Chinese 12
MSP--09	Spanish 9
MSP--10	Spanish 10
MBSP-11	Introductory Spanish 11
MSP--11	Spanish 11
MSP--12	Spanish 12

**\*\*\*LEADERSHIP**

YIPS-0A	Leadership 10
YIPS-2A	Leadership 12
YIPS-2C	Athletic Leadership 12

**\*\*MATHEMATICS**

MMA--09	Mathematics 9
MMA--09H	Mathematics 9 Honours
MMA--09A	Mathematics 9 - Numeracy
MWPM-10	Workplace Math 10
MFMP-10	Foundations Math & Pre-Calculus 10
MFMP-10H	Foundations Math & Pre-Cal. 10 Honours
MWPM11	Workplace 11
MFOM-11	Foundations of Mathematics 11
MFOM-12	Foundations of Mathematics 12
MPREC11	Pre-Calculus 11
MPREC11H	Pre-Calculus 11 Honours
MPREC12	Pre-Calculus 12
MCALC12	Calculus 12
MPREC12H	Pre Calc 12+AP Calculus 12
ACAL-12	Pre Calc 12+AP Calculus 12
YMATH1A	Chess 11
YMATH2A	Chess 12

**\*\*MUSIC**

XBA--09	Band 9:
MMUCB10	Music 10 Concert Band AE
MIMCB11	Instrumental Music 11 Band AE
MIMCB12	Instrumental Music 12 Band AE
XC---09	Choir 9
MMUCC10	Music 10: Concert Choir 10 AE
MC MCC11	Choral Music 11: Concert Choir AE
MC MCC12	Choral Music 12: Concert Choir AE
XGUIT09	Music 9 - Guitar
MMUGT10	Music 10: Guitar AE

MIMG-11	Instrumental Music 11: Guitar AE
MIMG-12	Instrumental Music 12: Guitar AE
MMU--09	Music 9 - Rock School 9
MMUCM10	Contemporary Music 10 (ROCK SCHOOL) AE
MMUCM11	Contemporary Music 11 (ROCK SCHOOL) AE
MMUCM12	Contemporary Music 12 (ROCK SCHOOL) AE
MIMJB11	Instrumental Music 11 (ROCK SCHOOL) AE
MIMJB12	Instrumental Music 12 (ROCK SCHOOL) AE
MMU--09RA	Music 9 - Recording Arts 9
MMEDD10	Media Design 10 (RECORDING ARTS) AE
MMUCP11	Composition and Production 11 (RECORDING ARTS)
MMUCP12	Composition and Production 12 (RECORDING ARTS)

**\*\*PHYSICAL EDUCATION**

MPHE-09G	PE 9 Girls
MPHE-09B	PE 9 Boys
MPHED10G	PE 10 Girls
MPHED10B	PE 10 Boys
MACLV11	Active Living 11 (PE 11)
MACLV12	Active Living 12 (PE 12)
MFTCD11A	Fitness and Conditioning 11 (Aerobics)
MFTCD12A	Fitness and Conditioning 12 (Aerobics)
MFTCD11BB	Fitness and Conditioning 11 (Boys Basketball)
MFTCD12BB	Fitness and Conditioning 12 (Boys Basketball)
MFTCD11BG	Fitness and Conditioning 11 (Girls Basketball)
MFTCD12BG	Fitness and Conditioning 12 (Girls Basketball)
XHL--09ST	Weight Training 9
YHRA-0A	Weight Training 10
MFTCD11	Fitness and Conditioning 11 (Weight Training)
MFTCD12	Fitness and Conditioning 12 (Weight Training)
MFTCD11FB	Fitness and Conditioning 11 (Football)
MFTCD12FB	Fitness and Conditioning 12 (Football)
MDNC-09	Dance 9
MDNC-10	Dance 10 (Choreography) AE
MDNTP10	Dance 10 (Tech & Performance) AE
MDNC-11	Dance 11 (Choreography) AE
MDNTP11	Dance Technique and Performance 11 AE
MDNC-12	Dance 12 (Choreography) AE
MDNTP12	Dance Technique and Performance 12 AE

**\*\*SCIENCE**

MSC--09	Science 9
MSC--09H	Science 9 Honours
MSC--10	Science 10
MSC--10H	Science 10 Honours
MEVSC11	Environmental Science 11
MLFSC11	Life Sciences 11 (BIOLOGY 11)
MATPH12	Anatomy and Physiology 12 (BIOLOGY 12)
MCH--11	Chemistry 11
MCH--12	Chemistry 12
MESC-11	Earth Science 11
MSPSC12	Specialized Science - ASTRONOMY
MGEOL12	Geology 12
MPH--11	Physics 11
MPH--12	Physics 12
MSCCT11	Science for Citizens (Science & Technology 11)
YAH--1A	Sports Medicine 11
MPH--11P	Co-Op Physics 11
MCH--11P	Co-Op Chemistry 11
MIDS-2BSC	Co-Op Independent Studies
MWEX-2ASC	Co-Op Work Experience

**\*\*SOCIAL STUDIES**

MSS--09	Socials 9
MSS--09H	Socials 9 Honours
MSS--10	Socials 10
MSS--10H	Socials 10 Honours
MEPSS11	Explorations in Social Studies 11
MWH--12	20TH Century World History
MCMCL12	Comparative Cultures 12
MPGEO12	Physical Geography 12
MHGEO12	Human Geography 12
MBCFP12	BC First Peoples 12
MPLST12	Political Studies 12

## Terry Fox Secondary

## 2019/2020 Course Booklet

MLST-12	Law Studies 12
MSJ-12	Social Justice 12
Y YPSYC2A	Psychology 12
A APSY-12	AP Psychology 12

### **\*\*Peer Tutoring (Application needed)**

YED--1A	Peer Tutoring 11
YED--2A	Peer Tutoring 12

### **\*\*TECH ED**

MADPT09	ADST Technology Education 9
MTEXP10	ADST Technology Exploration 10 ADST
MTDRF10	ADST Drafting 10 ADST
MTDRF11	ADST Drafting 11 ADST
MTDRF12	ADST Drafting 12 ADST

MTMET10	ADST Metalwork 10 ADST
MTMET11	ADST Metalwork 11 ADST
MTMET12	ADST Metalwork 12 ADST
MTAMJ12	ADST Art Metal and Jewellery 12 ADST
MTMAW12	ADST Machining and Welding 12 ADST
MWWK-10	ADST Woodwork 10 ADST
MWWK-11	ADST Woodwork 11 ADST
MWWK-12	ADST Woodwork 12 ADST
MTFAC12	ADST Furniture and Cabinetry 12 ADST
MTPOW10	ADST Power Technology 10 ADST
YMR--1A	Auto Maintenance 11 ADST
MTAUT11	ADST Automotive Technology 11 ADST
MTAUT12	ADST Automotive Technology 12 ADST
MTEAD12	ADST Engine and Drive Train 12 ADST
MSTX-1A	Skills Exploration 11A (/Home Skills11)ADST
MSTX-1B	Skills Exploration 11G (Girls only) ADST

### **\*\*\*Trades in Training**

TRNAA	Ace-It Carpentry 12A
TRNAB	Ace-It Carpentry 12B
TRNAC	Ace-It Carpentry 12C
TRNAD	Ace-It Carpentry 12D

### **\*\*\*Work Experience**

MWEX-2A	Ace-It Work Experience12A
MWEX-2ATT	Work Experience Tech Ed.
MWEX-2ABA	Work Experience. – Business

### **\*\*\*Graduation Transitions Gr.12**

MCLC-12	Career Life Connections
XAT--10--COL	Digital Literacy 10

## COURSE DESCRIPTIONS

### ART

Art teaches about the human condition. Art calls upon imagination, fosters the ability to make decisions, and creates awareness that problems have multiple solutions. It also develops relational understanding, attention to nuances and students' ability to frame the world from an aesthetic perspective. Studies in Art have intellectual, creative, affective, physical, and self-developing consequences that help prepare students for the demands of the 21st century. Art is a major field of employment in British Columbia. The Visual Arts department has a Career Preparation program in Commercial Art, and helps students prepare a portfolio with which to apply for post-secondary art studies. Take Art. It's critical.

#### Visual Arts 9 MVA-09

This is an introductory art course where students explore a variety of materials, tools, and techniques by combining and arranging elements, process, and principals of art. The major component of the course will consist of works in designing, drawing, painting, 3D work as well as art appreciation. Students will explore relationships between identity, place, and culture through different art projects. Have fun and express your creativity!

#### Visual Arts/Art Studio 10 MVA-10

In this course students explore the many functions of art – design, expression, telling a story, pursuing a viewpoint, and entertainment. A variety of materials and techniques will be presented, and students are encouraged to explore and refine their artist skills. Students will also be exploring First Peoples perspectives and knowledge, other ways of knowing, and local cultural knowledge through artist works. This course offers projects that can contribute to one's portfolio for the future.

#### Visual Arts: Art Studio 11 MVA-11

Art 11 is a general course, as well as an opportunity that allows students to begin to specialize in the medium of their choice. Students will be taking creative risks to express thoughts and emotions through artistic works. They will also be refining their skills with different art materials and techniques. Personal image development will be encouraged but is not essential to those new to the program.

#### Visual Arts: Art Studio 12 MVA-12

Art students will explore in depth the mediums of drawing, painting, printmaking and sculpture. Students will continue expanding their knowledge on local, national, and global artists with the aim to help them become visually literate. They will learn to read into the hidden meanings in commercial art, and the advertising media as well as in fine art work. Students will show their works in various displays and art shows. Projects completed in the course can also contribute to one's portfolio.

#### Media Arts 9 MMA-09

In this course students will get to explore film and digital photography, graphic design, and video production. Students will become familiar with Adobe Illustrator and Photoshop, and complete projects like package design, stop motion video, and vector art. This is an excellent course for creative students that prefer digital art to traditional methods.

#### Video Arts 10: Media Arts MVA-10

This course will further explore photography, graphic design, and video, building on the programs and techniques used in Media 9; however, it is not a prerequisite. Students will complete projects like music videos, logo design, stop motion video, and vector art. Again, this is a course well suited to artistic students that prefer digital art to traditional methods.

#### Visual Arts 11: Media Arts 11 MVA-11

One of our province's top areas of employment is the film industry. In this

grade 11 course, students will explore film aesthetics, and a variety of genres, from action to documentary and the "Hollywood" format. Students will be producing several film projects, from commercials to action scenes to final "student choice", and learn skills of preproduction, such as storyboarding and scriptwriting, and post production skills such as computer editing and sound tracking. Projects will include experimental, documentary, scriptwriting, special effects editing, a project for a client, and a "student's choice" final project.

#### Visual Arts 12: Media Arts 12 MVA-12

One of our province's top areas of employment is the film industry. In this grade 12 course, students will explore film aesthetics, and a variety of genres, from action to documentary and the "Hollywood" format. Students will be producing several film projects, from commercials to action scenes to final "student choice", and learn skills of preproduction, such as storyboarding and scriptwriting, and post production skills such as computer editing and sound tracking. Projects will include experimental, documentary, scriptwriting, special effects editing, a project for a client, and a "student's choice" final project. Students in Media Arts 12 who have taken Media Arts 11, are encouraged to explore film making in areas of their own interests. Students are encouraged to enter work in one or more film festivals.

#### Sculpture 9 XCER-09

Through the elements and principles of design, students work primarily with clay, learning hand building techniques, such as pinch, slab and coil methods. Students will learn Finishing techniques such as under and overglazes. Other areas of 3D will be looked at as well as the influences of artists, cultures, First Nations, and apply in student work.

#### Studio Arts 3D 10 (Sculpture) MVA-10

Through elements and principals of design, students will work primarily with clay, learning hand building techniques, such as pinch, slab, and coil methods. Students will learn finishing techniques

such as under and overglazes. Other areas of 3D will be looked at as well as the influences of artists, cultures, First Nations, and applied in student work.

### **Studio Arts 3D 11 Sculpture MVAC-11**

Through the elements and principles of design, this course offers students the skills and opportunity to explore different 3D techniques. There will be an emphasis on ceramics. Students will use hand building techniques, and will be introduced to the potter's wheel. Students will learn finishing techniques such as under and overglazes, and stenciling. Other areas of 3D will be looked at as well as the influences of artists, cultures, First Nations, and applied in student work.

### **Studio Arts 3D 12 Sculpture MVAC-12**

Students will be able to further their exploration in ceramics and sculpture. In final projects, students will be encouraged to develop a series of self-directed projects reflecting their strengths, images based on their own experience and techniques of their choice. Advanced finishing techniques will be introduced. This course will nurture interest in ceramics as a hobby, as well as prepare student to apply for post-secondary Fine Arts programs.

### **Studio Arts 2D 11 Drawing and Painting MVAD-11**

The first half of the course will focus on intensive drawing, using a variety of materials including pencil, conté, charcoal, and oil and chalk pastels. Initially, students will draw from observation and the model; later they will be taught creative drawing techniques. The last half of the course will focus on acrylic painting. Students will create works reflecting their personal voice, story, and values. We will also be looking into First Peoples perspective and other ways of knowing through 2D artist works.

### **Studio Arts 2D 11 Drawing and Painting MVAD-11**

Senior drawing and painting students will be encouraged to explore their own personal style in no more than three art media areas. Individual instruction will be custom tailored to each student's needs

and preferences. Students will explore the history of a variety of artistic movements, including their roles in historical and contemporary societies as well as traditional and contemporary First Peoples worldviews. Students pursuing Postsecondary admission will receive time and coaching to prepare their portfolios.

### **Visual Arts: Graphic Arts 11 MVAGA11**

This is a course in commercial and graphic design that future print, web, and screen designers can get a head start with. Students will design and create images that both reflect their Individuality and creativity, as well as communicate messages and viewpoints through imagery. Through printmaking – silkscreen, relief and etching, along with some digital media, including Adobe Photoshop and Illustrator, students will gain an understanding of the role and influence of media arts in society.

### **Visual Arts: Graphic Arts 12 MVAGA12**

Strongly Recommended: Studio Arts: Printmaking & Graphic Design 11, or Art Foundations 11 or 12 Students will specialize in media areas of interest and develop their skills to a high standard. They may also choose to explore career options in Media Arts, and develop skills useful in pursuing those options. Students will have the opportunity and guidance to prepare a Visual Arts portfolio suitable for submission to a postsecondary art program.

### **Visual Arts: Photography 11 MVAPH11**

Have fun learning to take photographs like a pro. Photography gives everyone a chance to be creative. Learn all the skills necessary to take clear, well-exposed photographs, in a course suitable for beginners, as well as those with photo experience. Explore first people's perspective, and knowledge through local culture. Students will learn to develop film and make prints in the darkroom. Film and digital SLR cameras are available for student use.

### **Visual Arts: Photography 12 MVAPH12**

Photography 11 recommended but not necessary. Students will have an

opportunity to pursue individual photography goals through a series of free choice assignments. They will also learn about studio lighting, portraiture, photojournalism, advanced darkroom techniques, First People's perspective, and knowledge through local culture. Students will also have the opportunity working with historical processes such as Gum bichromate, and Cyanotypes. This course will nurture interest in photography as a hobby, as well as prepare student to apply for post-secondary photography programs.

## **BUSINESS EDUCATION**

What do most high school graduates say they are studying at post-secondary schools? Many students admit that they are studying business courses. Then why not prepare yourself by taking these courses now! You can get a head start preparing for well-paying occupations with the skills you will learn in Business Education courses. Whether you are planning on furthering your education after graduation or seeking immediate employment, Business Education is your key to success. You can also earn valuable work experience by enrolling in the Business Education Career Prep program.

### **ADST Business Education 9 MADEM09**

This course covers the basic skills used in business that include marketing, accounting, economics, money and finance, investments and international business. Computers will be used as tools to learn Internet research strategies on various topics and to prepare quality business documents and PowerPoint presentations. Numerous career opportunities in the business world will be an on-going discussion. Current business events will be emphasized. This is an excellent course for an introduction to senior-level business courses offered that students might choose later.

### **Career Life Education 10 MCLE-10**

This is a mandatory course for all Grade 10 students and is required for graduation.

This course will help students establish goals and help them make thoughtful decisions in many areas. Students will research post-secondary education options and possible career alternatives suited to them. Several excellent guest speakers complement topic areas.

### **ADST Entrepreneurship/Marketing 10 MADEM10**

Students will have the opportunity to design their own products and explore their own areas of interest. We will examine social, ethical and sustainable considerations needed to create products preferred by future generations. Students will conduct research and perform observations to understand design opportunities within an ever-changing marketplace. Bring your creativity and business attitude and get ready to collaborate.

### **Marketing and Promotion 11 MMAP-11**

*Open to students in Grades 10, 11 or 12*  
Marketing is the most exciting aspect of the business world! It is all around us and has a tremendous influence on our daily lives. We are persuaded to buy the current fashions, technology and brand names by professional marketers. In Marketing 11, you will have fun working on creative projects which will define the marketing mix, target markets, the psychology of consumer behaviour, market research and more. Using marketing strategies, you will be able to create new products of your own. We will explore market segments such as sports products, celebrity brands, teen products, retail and corporate products.

### **Entrepreneurship 12 MENT-12**

*Open to students in Grades 11 or 12*  
Entrepreneurship is the process of starting and operating your own business. Anyone can become an entrepreneur with the right information, knowledge and determination. That is why it is important for Terry Fox students to have the opportunity to design their own future.. As well, you will work with partners on projects that involve market research, identifying business opportunities, learning about franchises, creating brands, and

finally designing a business plan for your future business.

This course provides a practical "hands-on" opportunity to develop the entrepreneurial spirit required for starting and operating a business. Catch the entrepreneurial spirit!

### **Accounting 11 MAC--11** *Open to students in Grades 10, 11, and 12*

This is an entry level accounting course that will cover the fundamentals of accounting. This is an excellent course for students who are intending to get jobs in the business world, are considering managing or owning their own business, or who will be going to college or university to take Business courses. As an introduction to accounting procedures and concepts, this course teaches students to complete the basic accounting cycle and financial statements for a small business. This course provides hands-on practical experience with a sound theoretical base. This course does not contain any difficult Math content.

### **Accounting 12 MACC-12**

Strongly recommended: Accounting 11  
This course is intended for students who wish to pursue post-secondary studies in Accounting, Business Administration, or Commerce. This course provides a general review of accounting concepts leading to the study and application of advanced accounting concepts and principles. Most of the Financial Accounting 12's content is covered in college and university courses so taking it now will help you later. Computer applications include projects using Simply Accounting, Quickbooks, and Microsoft Excel software.

### **Economics 12 MEC--12**

*Open to students in Grades 11 or 12*  
Get a better understanding of how our economy works and the many economic issues that affect the way all of us live. Often major news items are related to economic topics such as unemployment, trade, inflation, interest rates and taxes. Learn about all of these things and more! A great emphasis will be placed on government policies and current economic

issues taking place nationally and internationally. This course offers market simulations, investment lessons and other economics projects on-line through the Internet. If you are interested in learning how economic events shape your life, regardless of your career interests, this course will be very helpful.

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## **DRAMA**

Drama courses at Terry Fox are exciting electives for students who want to experience a full range of acting skills, theatre history, improvisation games, character analysis, script work and more.

**Drama 9 MDR--09**  
Students are introduced to improvisation, drama, history and character study. Projects include monologue presentations, lip sync performances and scene memorization.

**Drama 10 MDRM-10**  
*Drama 9 is highly recommended*  
At this level students are expected to have covered the rudimentary acting skills from Drama 9. Students will work on scene work, character analysis, movement and basic voice technique. Theatre Sport work is also presented.

**Drama 11 MDRM-11**  
Drama 11 is an introductory theatre course built on creative drama and theatre skills. Exploration of the discipline will focus on voice, movement, research, improvisation and character analysis. Students will study theatre history from the Greeks to Modern Day and be involved in numerous performances.

**Drama 12 MDRM-12**  
*Drama 11 is highly recommended.*  
Drama 12 is a continuation of Drama 11 that prepares the acting student who would like to pursue theatre at the university level or who would like a career in the arts. Drama theory work will develop from styles such as Greek, Medieval, Commedia dell'Arte, naturalism and melodrama. The students will be involved in many performances.

**Drama: Theatre Production 11****MDRTP11**

The students will be involved with the design and construction of sets for plays and/or musicals produced by the drama department. It is recommended that students have woodwork or art experience. Specific objectives are to develop student talent in the field of scenic design, set and properties construction.

**Drama: Theatre Production 12****MDRTP12**

*Theatre Production 11 is highly recommended*

This course is a continuation of the work and theory of Theatre Production 11.

**Drama: Directing/Script Development 11****MDRDS11****Drama: Directing/Script Development 12****MDRDS12**

*Drama 11 highly recommended & approval of the instructor*

This course is designed around the writing and producing of plays. Students will study plays using the Hodge analysis style and direct their own scenes. The Directing and Scriptwriting class will be combined with other drama classes allowing the scriptwriting student to interact and create scripts based on their various class involvement. Students need to have a passion for theatre and writing and be well organized.

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**ENGLISH**

Literature is placed at the centre of the English curriculum. Students of English will study literature to understand its structural features, but more importantly to gain perspective on the human condition. Students of English will learn to express themselves clearly and independently in writing and in speaking, and to be attentive and critical listeners. Students will also gain insight into some of the unique elements of the English language.

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**ENGLISH HONOURS PROGRAM**

The English Honours Program is an enriched course of studies which prepares students for English Studies 12, , Literary Studies 11 & 12, and post-secondary courses. The program covers the B.C. English Language Arts curriculum plus more challenging works of literature, including some of the classics. The full four-year program is intended to provide a basic grounding in the mythologies, religions and philosophies that inform literature, with emphasis on the western tradition. The program also teaches varied techniques in textual analysis and criticism, writing and grammar.

**English Language Arts 9 MEN--09**

English 9 will provide students with a wide range of reading and writing experiences. Students will study Composition, Creative Writing, Focused Literary Studies, New Media and Spoken Language. Assignments will require that students write in a variety of formats and for a variety of purposes. A study of grammar will help students express themselves clearly as they write and speak. Coherent paragraph development will also be emphasized.

**English Language Arts 9 Honours****MEN--09H**

Hon. English 9 includes the goals of English 9 within the study of Composition, Creative Writing, Focused Literary Studies, New Media and Spoken Language, with the emphasis on exploration of mythological and philosophical themes. Basic sentence syntax will be stressed. First essay format: narratives (paraphrases, summaries); basic exposition; basic literary writing.

**English 10****Composition 10****Literary 10****MCMP10****MLTST10**

This course will prepare students for the demands of senior level English courses. Students will be expected to write about and discuss literature in an increasingly critical and sophisticated manner. Students will develop a larger vocabulary with which to express their ideas

effectively. The course includes further study of the genres presented in English 9.

**English 10 Honours****Composition 10H****Literary 10H****MCMP10H****MLTST10H**

Hon. English 10 extends mythology and introduces philosophy and world religions. Other topics will be explored through Composition, Creative Writing, Focused Literary Studies, New Media and Spoken Language; including advanced sentence syntax; basic rhetoric; development of expository prose; the literary essay and argumentative writing.

**Composition 11****MCMP11**

Composition 11 is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students will read and study compositions by other writers and be exposed to a variety of styles as models for the development of their writing. Students will engage in the processes of drafting, reflecting, and revising to build narrative, expository, descriptive, persuasive, and opinion pieces that demonstrate expanding breadth and depth. They will develop confidence in their abilities as they consolidate their writing craft.

**Creative Writing 11****MCTWR11**

Creative Writing 11 is designed for students who are interested in developing confidence and refining their writing skills through self-expression for various creative purposes. The course provides students with in-depth opportunities to explore personal and cultural identities, memories, and stories in a wide range of genres. Within a supportive community, students will collaborate and strengthen their skills through writing and design processes. Creative Writing 11 is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they

reflect on, adjust, and extend their writing skills.

### **Literary Studies 11 MLTST11**

Literary Studies 11 is an academically intensive course for students who want to delve deeply into literature. Students should expect a significant amount of home reading as we will explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. The course will involve a range of literary topics, allowing students to follow their passion and at the same time increase their literacy skills. Students should expect thorough close readings of appropriately challenging texts to develop balance and broaden their understanding of themselves and the world.

### **English Studies 12 MENST12**

English Studies 12 builds on and extends students' learning experiences in previous English classes. It is designed for all students and provides them with opportunities to refine their ability to communicate effectively in a variety of contexts and to achieve their personal and career goals. Students will develop their knowledge and skills to communicate effectively in writing and will be introduced to English literature through reading and analyzing written text, digital media, and other formats. Students will reflect diverse worldviews, allowing them to deepen their understanding of themselves and others in a changing world. Coursework will contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples. Also, students will expand their understanding of what it means to be educated Canadian and global citizens.

### **Creative Writing 12 MCTWR12**

Creative Writing 12 is designed for students who are interested in creating a body of work reflective of a sophisticated breadth and depth of skill. The course provides students with opportunities to specialize and publish in real-world contexts. Students engage in the exploration of personal and cultural identities,

memories, and stories, in a wide range of genres. Within a supportive community, students will collaborate and develop their skills through writing and design processes, celebrating successes. Students will refine their ability to write in complex, controlled styles with effectiveness and impact.

### **Literary Studies 12 MLTST12**

Literary Studies 12 is an academically intensive course for students who want to delve deeply into literature. This course requires enrolling students to regularly read at home, for the purposes of exploring specific themes. This course will involve a range of literary topics and time periods and will offer students an inquiry-based approach as a means for increasing their literacy skills. Students are expected to apply critical thinking skills towards challenging texts and connect their readings to themselves and their world. Students will be asked to express their understanding, in a variety of ways that will involve formal writing and other creative means.

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## **ENGLISH AS AN ADDITIONAL LANGUAGE**

The following courses are required for ELL students who are new to Canada or who need to improve their English language proficiency.

### **English Language Acquisition I (non-credit)**

**XLDCA10EAL**

For students who are beginning learners of English or who are experiencing difficulties with all aspects of English listening, speaking, reading and writing. This course is suitable for students in grades 9-12.

### **English Language Acquisition II (non-credit)**

**XLDCB10EAL**

This course provides additional support for EAL students who have passed EAL Beginners, but need further instruction in basic reading, writing and speaking skills. This course is suitable for students in grades 9-12.

### **English Language Development 10 YESFLOA**

The course is designed to continue to develop the four main English language skills of reading, writing, listening, and speaking to EAL students. It also encourages the viewing and representation of materials. The course focuses on reinforcing strategies needed to read, write and extract information successfully in English, and addresses specific needs of students regarding language and culture. Throughout the course, students participate in authentic real-life situations. Students demonstrate growth in English language proficiency through oral, visual, and a variety of written forms. Students identify and compare their own customs to Canadian culture.

### **Introduction to Academic Language 10 YESFLOB**

This course is designed to build students' writing, speaking, listening, and reading competencies by introducing them to a variety of text genres, registers, structures, forms, and styles. Included in this course are the elements that make up Canadian Culture, Geography, and History (cultural identity and First Peoples culture). and acquaints students new to Canada with Canadian culture and customs and prepares students for Social Studies and English courses. This course is suitable for students in gr. 10 -12.

### **English Language Development 11 YESFL1C**

This course is designed for students who have successfully completed English Language Development 10 and have a first language other than English. The course is designed to extend the students' exploration of the English language skills of reading, listening, speaking, and viewing, with a particular emphasis on intercultural competency, academic vocabulary, genre, and written expression.

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## **HOME ECONOMICS**

**DON'T LEAVE HOME WITHOUT IT!**



Home Economics offers courses to meet the needs of *everyone*. Whether it be in Foods & Nutrition, Tourism, Textile Studies, Textile Arts & Crafts, Family Studies, Culinary Arts, or Child Development, students learn lifelong skills and explore a variety of career options. Home Economics is **THE PLACE YOU WANT TO BE!**

**\*NOTE: Grade 11 courses are available to grade 10 students**

WEX 12A & 12B (Work Experience)  
Students interested in careers in Tourism, Culinary Arts, Early Childhood Educator, Teaching, Daycare and Fashion Merchandising are encouraged to take, along with their curricular courses, a 4 credit work experience program. WEX students participate in 30 hours of classroom instruction followed by hands on practicum experience in a community placement.

#### **Food Studies 9 MADFS09**

Wanted: A love for cooking and eating! Food is our greatest pleasure so grab your apron, don your adventuresome spirit and tempt your taste buds! This course combines basic food preparation and nutrition theory with many exciting food labs. Some all-time favorite recipes gained in this course include: cinnamon apple strudel, lemon blueberry muffins, lasagna, pork fajitas and everyone's favorite chocolate brownies. Surprise yourself, friends and family with a variety of delicious treats when you sign up for this mouth-watering course. **There is a \$35 fee applicable to this course.**

#### **Food Studies 11 (WEX applicable) MFOOD11**

This course is for everyone! From those who have never set foot in the kitchen to the accomplished chefs out there. With a quick review of the basics, it's time for some real taste treats. Sticky cinnamon buns, and fresh pies and pastry will test your will power. Meal planning and nutrition will provide the background to creating full course meals to tempt your palate. Bon appetit! Many food industries and post-secondary institutions require

FOODSAFE Level 1 certification – also to be taught and completed in class.

**There is a \$35 fee applicable to this course.**

**\$40 Optional fee for Food Safe certificate.**

#### **Food Studies 12 (WEX applicable) MFOOD12**

*Strongly Recommended: Food Studies 11*

The focus here is on safety, dining etiquette, preparation and presentation of foods. Advanced techniques combined with the use of a variety of different kitchen aids will be taught. Hence, it is expected that students understand the basic principles of food preparation and the value of nutrition. New and unusual foods from different cultures and catering are important aspects of this course. **There is a \$35 fee applicable to this course.**

#### **Specialized Studies in Foods 12 – Culinary Arts International (WEX applicable) MSPSF12**

*Strongly Recommended: Food Studies 9 or Food Studies 11*

Sharpen your knives and join the fun as you expand your international culinary repertoire. Advanced techniques will be gained here for fine food that looks good and is a pleasure to eat. Opportunities abound to plan, prepare and enjoy a variety of foods and an abundance of exotic dishes from around the world. Learn to make mouthwatering pasta from scratch, or savory perogies and samosas or spicy stir-frys. If you like to cook and sample foods from different cultures this is the place for you! **There is an optional enhancement fee of \$35 applicable to this course.**

#### **ADST TEXTILES 9 MADT-09**

Stop shopping and start sewing! This course offers an introduction to sewing techniques through the mastery of projects appropriate to the individual. Pajamas, pants, skirts, polar fleece wear are just a few of the possible choices you will be offered in this course. **There is a \$35 fee applicable to this course.**

#### **TEXTILES 10**

#### **MTXT-10**

For beginner and intermediate sewers. If you love to sew or would like to learn how, Textile Studies 11 is for you. Students work at their own level to learn and review basic sewing skills as well as master advanced, professional techniques. Emphasis is on the creation of garments that students will enjoy and be proud to wear. **There is a \$35 fee applicable to this course.**

#### **TEXTILES 11 MTXT-11**

*Strongly Recommended: Textile Studies 9 or 11*

Textile Studies 11 offers an exciting agenda as it teaches you how to create clothing that is distinctly yours – no, you do not have to be an artist! Easy methods of redesigning and embellishing patterns will be explained, and several garments and accessories will be produced using these techniques. Students will learn advanced sewing techniques and work with specialty fabrics. **There is a \$35 fee applicable to this course.**

#### **TEXTILES 12 (INTERMEDIATE/ADVANCED) MTXT-12**

*Strongly Recommended: Introductory Textile 9 or Textiles 11*

Do you dream of creating clothing and accessories that are uniquely your own? Textile Studies 12 offers an exciting agenda as it teaches how to create clothing that is distinctly yours. Students will learn advanced sewing techniques as well as methods of redesigning and embellishing garments and accessories. **There is a \$35 fee applicable to this course.**

#### **HOME ARTS/HOME ECONOMICS 9 - CRAFTS XHA--09**

TAC 9 is intended to introduce a variety of crafting skills and embellishing techniques. Projects may include cross-stitch, creative writing, holiday crafts, creative ornaments, decorative painting and knitting. You do not need sewing experience but bring lots of enthusiasm and **CREATE! CREATE! CREATE! There is a \$40 fee applicable to this course.**

#### **TEXTILE ARTS AND CRAFTS 10 YHEC-0A**

**TEXTILE ARTS AND CRAFTS 11**  
**YHEC-1A**  
**TEXTILE ARTS AND CRAFTS 12**  
**YHEC-2A**

Students will be given the tools to learn how to plan, design, construct, share and reflect on crafts that allow for their personal identity, individuality and creativity to be expressed.

Gift cards, vision boards, masks, picture frames, jewelry, seasonal crafts and the cutest scarecrows are just a few of the exciting projects created in TAC. The projects incorporate such techniques as decorative painting, creative lettering, stenciling and sewing. Also taught will be the popular craft items seen in the market place. You will LOVE the projects you will get to take home. **There is a \$40 fee applicable to this course.**

**Interpersonal and Family Relationships 11 (WEX applicable) MIAFR11**

In an effort to better understand one's self, students will explore such topics as self-concept and, personality development. Issues such as relationships, stress management, conflict resolution and lifestyle choices will be investigated through projects, discussions, and journal writing.

**Child Development and Caregiving 12 (WEX applicable) MCDAC12**

Learn all about children from conception to birth, as infants, toddlers, preschoolers and primary students. This course is an in-depth look at the physical, emotional, social and intellectual development of each of these crucial stages. On-going visits to nearby elementary schools incorporate practical hands-on experience with in-class theory.

**TOURISM 11 MTRM-11**

Take off with tourism! Get a ticket to the fastest growing industry in B.C. Come aboard and travel throughout the province on an exciting and adventure-packed trip to your final destination - a higher level of tourism-related job skills.

**TOURISM 12 (WEX applicable) MTRM-12**

*Strongly Recommended: Tourism 11*

The journey only began in Tourism 11. Domestic travel, exotic destinations and international travel is on the itinerary for Tourism 12. Students will also explore the business of hospitality, adventure tourism, conference and event planning, and the travel trade.

## TECHNOLOGY

Technology is playing an ever-increasing role in our lives, learn how to embrace its full potential. Many of the highest paying jobs are in the tech industry and only experts predict a shortage of skilled workers. In Information Technology courses, students will experience a wide variety of technology and gain an understanding on how technology impacts their lives. Skills learned in Information Technology courses can enhance your skillset for other courses.

**ADST Information & Communities Technology 9 MADIT09**

Computers are being used in almost every aspect of our lives. Information and Communications Technologies 9 is a general introduction survey course that introduces a wide variety of computer technologies to students and prepares students for a variety of skill-based careers. Areas such as web design, network and operating systems, digital content strategies, coding fundamentals, cloud-based collaboration and a variety of multimedia technologies including digital animation and 3-D modeling are explored. After this course, students will gain a better understanding of technology and its impact on their lives.

**Media Design 11 MMEDD11**

Media Design will introduce students to various media technologies for image development and design. Through a series of hands-on projects, students will learn about media production, elements of design and principles of design. The visual communication skills learned in this course can enhance your skillset for a wide variety of careers ranging from Technology to Arts to Business to Sciences.

**Web Development 10 MWBDV10**

Web Development will introduce students to the foundational languages and coding techniques of modern web development, including HTML, CSS, and Javascript. Students will learn to create functional and interactive websites and incorporate good design principles in their assignments. In addition, students will explore other topics such as databases, game design, and responsive web design. This course is open to all students in Grades 10, 11, and 12 and counts towards your graduation requirements.

**Media Design 12 MMEDD12**  
*Strongly recommended: Media Design 11 or Web Development*

Digital Media Development 12 will give students the opportunity to gain the knowledge and skills required to develop and produce interactive digital media projects. Students will explore topics such as 2D Graphic Design and Publishing, digital animation, 3D modelling and design, and desktop video production. After completing this course, students will gain an understanding of careers in multimedia such as game design, web mastering, computer animation, and video effects.

**Computer Programming 11 MCMPR11**

*Strongly Recommended: Math 10*  
 Computer Programming 11 introduces students to computer science and will help prepare them for post-secondary computer science courses. Some of the programming concepts covered are: variables, input/output, conditional control structures, loops, methods and arrays. These concepts are covered by writing small programs. While creating these simple programs students will learn problem solving skills and improve their ability to think logically. Computer Programming 11 is an ideal course for students pursuing a career in computer science, engineering, general sciences, or business as many of these fields require computer programming as part of their course studies.

**Computer Programming 12 MCMPR12**

*Strongly recommended: Math 11 and Computer Programming 11*  
Computer Programming 12 is a continuation of Computer Programming 11. Students will build upon the skills and concepts they learned in the previous course and apply them with the new concepts learned in this course to create complex programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. Computer Programming 12 is an ideal course for students pursuing a career in computer science, engineering, general sciences, or business.

### **Graphic Production 11 (Yearbook)** **MGRPR11**

Want to gain some experience with computers or experience the excitement of contributing to the planning and creation of the yearbook? Get involved with every aspect of this creative work of art. From taking photos, designing layouts and meeting athletes and performers, students will learn all the skills it takes to make this year's annual a fantastic book. Students will gain the experience with meeting deadlines, organizational skills and working on a team. In addition, students will learn to use specialized professional quality hardware such as scanners, colour printers and digital cameras.

### **Graphic Production 12 (Yearbook)** **MGRPR12**

This course is a continuation of yearbook 11 that allows the experienced 'yearbookers' to become leaders. In addition to taking photos and designing layouts the senior students will become editors and supervisors that can personally design and manage large sections of the book.

## **LANGUAGES**

All students in all language courses are encouraged to actively participate in class in order to ensure their success.

**French 9** **MFR--09**  
French 9 is a beginner course. Students will acquire language through

comprehensible input, communication, interaction, and basic grammatical structures. Students will additionally develop proficiency in reading, writing, speaking, and listening. Students will furthermore gain awareness and appreciation for not only contemporary and traditional Francophone cultures, but also First Peoples communities through aboriginal perspectives. Students who have French Immersion or French as a First Language background will be required to take a placement exam.

### **French 10** **MFR--10**

Strongly Recommended: French 9  
French 10 is an intermediate course that builds on skills acquired in French 9. It encourages active participation to increase the functional level of the target language. Students will continue to develop their fluency by exploring creative and cultural works in the target language. Students will moreover recognize connections between language and culture, and how each has been influenced by First Peoples and Francophone communities. Students may have the opportunity to write the DELF exam. Students who have French Immersion or French as a First Language background will be required to take a placement exam.

### **French 11** **MFR--11**

Strongly Recommended: French 10  
French 11 is an advanced course that builds on skills acquired in French 10. Students will interact in French with growing confidence in familiar situations drawn from real life. Students will be able to exchange opinions on topics of interest, describe or narrate with supporting detail, and discuss plans in the past, present, and future. Students may have the opportunity to write the DELF exam. Students who have French Immersion or French as a First Language background will be required to take a placement exam.

**French 12** **MFR--12**  
Strongly Recommended: French 11  
is an expert course that builds on the skills acquired in French 11. Students will be able to interact effectively and with some spontaneity in familiar situations drawn

from real life. They will be able to respond to texts and stories that portray the interactions between the First Peoples and Francophone communities, as well as the diverse communities in the francophone world. Students will furthermore be able to express themselves in the past, present, and future tenses while understanding the nuances of the different tenses, word placements, and vocabulary. Students may have the opportunity to write the DELF exam. In addition, there are Dogwood District Scholarships that are awarded to exceptional language students.

### **Introductory Italian 11** **MBIT-11**

Introductory Italian 11 is an excellent choice for students who have not previously studied Italian. It is an intensive course designed to cover essential learning standards in an accelerated time frame. Emphasis will be placed on acquiring language through comprehensible input and communication. Students will develop proficiency in reading, writing, speaking, and listening. Students will furthermore gain awareness and appreciation for the contemporary and traditional Italian culture. It is recommended that students be prepared to manage their time wisely throughout the semester in order to meet the demands of this course. (Gr. 10 students wishing to take the course require permission of the department.)

### **Mandarin Chinese 9** **MMAN-09**

Mandarin 9 is a first year course especially designed for students with no previous knowledge of the Chinese language. Students will develop listening, speaking, reading, and writing skills in Mandarin. In addition, students will also learn about various Chinese culture and customs. By the end of Mandarin 9, students should be able to use appropriate Mandarin expressions to perform real-life tasks, to share ideas and to acquire information.

*\*\* This course is not suitable for a native Chinese speaker. Students who have some Chinese background will require the permission of the department.*

### **Mandarin Chinese 10** **MMAN-10**

**Strongly Recommended: Mandarin 9**

This is a second level course of Mandarin Chinese for secondary school. Students will be expected to consolidate their knowledge of Pin Yin, simplified Chinese characters writing and the basic structure of spoken and written Chinese. Students will be exposed to Chinese culture through a variety of activities including projects, videos, field trips and short dialogues.

**Introductory Mandarin 11 MBMAN11**

This beginner's course is an excellent choice for students who have not previously studied Mandarin, and who wish to enrich their language and culture experience. It prepares students for the regular Mandarin 11 course. Students will learn conversation skills, vocabulary, and basic Chinese grammar. The simplified Chinese characters will be introduced. This intensive course incorporates both of Mandarin 9-10. As a result, it will be fast-paced. Good work habits will be required. (Grade 10 students wishing to take this course require the permission of the department.)

**Mandarin Chinese 11 MMAN-11**

*Strongly Recommended: Mandarin Chinese 10 or Beginners' Mandarin Chinese 11*

Students will be encouraged to use the Chinese language in practical situations. Students will develop a deeper understanding of Chinese Values and customs through various projects and activities. (Grade 10 students wishing to take this course require the permission of the department.)

**Mandarin Chinese 12 MMAN-12**

*Strongly recommended: Mandarin Chinese 11*

Students will further develop their Mandarin language skills (listening, speaking, reading, and writing). They will become more aware of Chinese values and customs through the study of fundamental geographic, economic and social issues and the discussion of current events.

**Spanish 9****MSP--09**

Spanish 9 is a beginner course. Students will acquire language through comprehensible input, communication, interaction and basic grammatical structures. In addition, students will acquire proficiency in listening, speaking, reading and writing while gaining awareness and appreciation for Hispanic culture and their own. Aboriginal perspectives will be embedded in learning activities. *\*\*This course is not suitable for native Spanish speakers. Students who have some Spanish background will be required to take a placement exam.*

**Spanish 10****MSP--10**

*Strongly Recommended: Spanish 9*  
Spanish 10 is an intermediate course, which further encourages students' active participation and functional level as it builds and expands on the language skills and cultural knowledge acquired in Spanish 9. Students will continue to gain proficiency through comprehensible input, communication and exploration of various creative works in the target language.

**Introductory Spanish 11 MBSP-11**

Introductory Spanish 11 is an intensive course, designed to cover essential learning standards in an accelerated time frame in order to prepare students for Spanish 11. It should be noted that this course does not replace the richness of the regular Spanish 9 and 10 curriculums. Emphasis will be placed on acquiring language through comprehensible input, communication and basic grammatical structures. Students will develop a proficiency in listening, reading, speaking and writing in Spanish while developing an appreciation of Hispanic culture. This course is for students who have not previously studied Spanish. If students have passed Spanish 9, they will not be allowed to take this course. It is also recommended that students be prepared to manage their time wisely throughout the semester in order to meet the demands of this course.

**Spanish 11****MSP--11**

*Strongly Recommended: Spanish 10 or Beginners' Spanish 11*

Spanish 11 is an advanced course that builds on skills acquired in previous levels. Students will interact in Spanish with increasingly complex vocabulary and sentence structures in familiar real-life situations. The culture of the Spanish-speaking world will be further explored. Aboriginal perspectives will be incorporated through story telling and folktales, which bear the characteristics of culture, folklore and customs of Hispanic countries.

**Spanish 12****MSP--12**

*Strongly Recommended: Spanish 11*  
Spanish 12 is an expert course that expands on the linguistic skills acquired in Spanish 11. Students will acquire a command of the key vocabulary and structures necessary for personal communication. Students will also develop an appreciation of the variety of cultures within the Spanish-speaking world. Students will be able to interact effectively and with some spontaneity in familiar situations drawn from real life. Students will be able to express themselves in the past, present, and future tenses while understanding the nuances of the different tenses, word placements, and vocabulary. There are Dogwood District Scholarships that are awarded to exceptional language students.

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## LEADERSHIP

**Leadership 10****YIPS-0A**

This course is open to both grade 9 and 10 students. Students will have the chance to learn and practice leadership skills. Topics to be covered include organizational skills, communication skills, goal setting, leadership styles, event planning, motivation and group dynamics. The curriculum will vary according to the need and the abilities of the group. There are opportunities to be involved in many community and school events. Students may have the opportunity to participate in a retreat. Optional fee: for t-shirt.

**Leadership 12****YIPS-2A**

*Students will be interviewed prior to being placed in this class.*

Leadership 12 is open to both grade 11 and 12 students and is designed to enhance your personal leadership skills and to give you the skills you need to confidently lead others. There is a practical component in the course that allows students to acquire leadership skills by getting involved in school and community events. Some pertinent topics covered in the course are: leadership styles and behaviors, time management, event planning and implementation. Students will also learn to effectively in teams with peers of diverse backgrounds and attitudes. Teamwork skills will focus on communication, goal setting and planning, and conflict resolution. This leadership experience will help students understand the positive impact and value that they can contribute to their community. Optional fee for t-shirt.

### **Athletic Leadership 12 YIPS-2C**

*Students will be interviewed prior to be placed in this class.*

This course is for the sports enthusiast who would like to learn more about various aspects of leadership in a sporting environment. Some topics covered in the course are: Team Management, Basic Sport Med., Leading Intramural Activities, Building Leadership Capacity, Organization, Sports Nutrition and Event Planning. Students will earn certification in CPR/AED training, "High 5 (a Nationally recognized certification that assists students in working with children's programs in the sport and recreation industry), as well as NCCP "Fundamental Movement Skills Certification". A practical component of the course will be included which involves leadership opportunities at Hyde Creek Recreation centre as well as in the school.

## **MATHEMATICS**

Terry Fox's Mathematics Department offers a variety of courses designed to meet the needs of all students. It is important that students select courses that suit their interests, as well as their career and post-secondary aspirations. The Mathematics Department provides a

Mathematical curriculum that helps students:

- Develop an appreciation of the role of Mathematics in everyday life
- Develop, demonstrate, and apply conceptual understanding of mathematical ideas
- Develop self-confidence and enjoyment in the study of Mathematics

### **Mathematics 9 MMA--09**

This course is designed to consolidate and extend topics introduced in the middle school years. Topics include operations with rational numbers, square roots and exponents, polynomials and algebra, linear equations, linear relations, financial literacy and statistics. At the end of this course, students will be prepared for Foundations of Mathematics and Pre-Calculus 10 OR Workplace Mathematics 10.

### **Mathematics 9 Honours MMA--09H**

Enrolment in Math 9 Honours is limited. Students will be selected for the Math 9 Honours program based upon an entrance exam and a recommendation from their Math 8 teacher. This course is specifically designed for students with a strong aptitude for Mathematics and who have demonstrated enthusiasm and responsibility in Mathematics classes. This course has the same learning outcomes and textbook as the Mathematics 9 course but also includes a significant enrichment component. Honours students' marks will reflect their understanding of the prescribed learning outcomes for Math 9. Honours students will receive assignments that include questions at a higher level and/or questioning that extends the concepts beyond the basic assignment. Honours students also explore non-routine problems and prepare to participate in Mathematics Contests. Students are expected to maintain a high standard of academic achievement.

### **Mathematics 9 Numeracy MMA--09A**

This course is for students who have not met the passing requirements for Mathematics 8. The course emphasizes

basic mathematical skills. At the end of this course, students will be prepared for Mathematics 9 OR Workplace Mathematics 10.

### **Workplace Math 10 MWPM-10**

This option is designed to provide students with the Mathematical understanding and critical-thinking skills identified for entry into most trades programs and for direct entry into the work force. Topics in this course include: graphing, primary trigonometric ratios, conversions, central tendency, experimental probability, financial literacy, surface area and volume. All topics are taught within a framework of problem-solving. At the end of this course, students are prepared for Workplace Mathematics 11

### **Foundations Math & Pre-calculus 10**

**MFMP-10**

This course will provide students with opportunities to think critically and make connections between various areas of the curriculum, providing them with some of the skills required at the post-secondary level. Content includes: exponent laws, right triangle trigonometry, polynomials, functions and relations, linear relations, systems of linear equations and financial literacy. Successful completion of this course will prepare students for Foundations of Math 11 and/or Pre-Calculus 11.

### **Foundations Math & Pre-calculus 10 Honours MFMP-10H**

Students will be selected for Math 10 Honours based on recommendation from their Math 9 teacher. This course is designed for students with a strong aptitude and enthusiasm for Math. In addition to the regular Math 10 curriculum, this course will also include a significant enrichment component. Students' marks will reflect their mastery of the Math 10 content. However, they will also receive different assignments from students in a regular Math 10 class that encourage students' thinking to extend beyond the curriculum. Students are expected to maintain a high standard of academic achievement. Successful completion of

this course will prepare students for Pre-Calculus 11 or Pre-Calculus 11 Honours.

### **Workplace 11 MWPM11**

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into most trades programs and for direct entry into the work force. The course topics include: financial literacy, rate of change, interpreting graphs, 3D objects, probability and statistics.

### **Foundations of Mathematics 11 MFOM-11**

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. This might include the Humanities, Fine Arts, some Trades and Technical programs. The course will include such topics as algebra, geometry, trigonometry, inductive & deductive reasoning, statistics, and finances. Successful students are those who enjoy word problems, graphing, and equation-solving.

### **Foundation of Math 12 MFOM-12**

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. This might include the Humanities, Fine Arts, some Trades and Technical programs. Topics in this course include financial mathematics, logic with numbers, set theory, probability, combinatorics, relations and functions. Students are well-prepared for this course if they have had success in either Foundations of Math 11 or Pre-calculus 11.

### **Pre-Calculus 11 MPREC11**

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified by the ministry. Content includes: real number system, powers, radical and rational equations, trigonometry, financial

literacy, factoring, quadratic functions and inequalities. Students will be prepared to connect mathematical concepts to advance learning.

Students who complete this course may go on to take Pre-Calculus 12 and/or Foundations of Mathematics 12.

### **Pre-Calculus 11 Honours MPREC11H**

Enrolment in Pre-Calculus 11 Honours is limited. Students will be selected for the Pre-Calculus 11 Honours program based upon a recommendation from their Math 10 teacher. This course is specifically designed for students with a strong aptitude for Mathematics and who have demonstrated enthusiasm and responsibility in Mathematics classes. This course has the same learning outcomes and workbook as the Pre-Calculus 11 course but also includes a significant enrichment component. Honours students' marks will reflect their understanding of the prescribed learning outcomes for Pre-Calculus 11. Honours students will receive different assignments from students in a regular Pre-Calculus 11 class. Students also explore non-routine problems and prepare to participate in Mathematics Contests. Students are expected to maintain a high standard of academic achievement.

### **Pre-Calculus 12 MPREC12**

This is a rigorous course that will provide students with opportunities to think critically and make connections between various areas of the curriculum. The course is designed to provide them with some of the skills required to study calculus at the post-secondary level, in programs such as Mathematics, Sciences, Engineering and Commerce. Content includes: trigonometry, relations and functions (exponential & logarithmic, polynomial, radical, rational and transformations), and permutations and combinations. It is strongly recommended that students complete Pre-Calculus 11 with at least a B.

### **Calculus 12 MCALC12**

This course is very valuable for those students who have excellent mathematical ability and intend to study mathematics

and economics, engineering or science. The main topics covered are: properties of functions and their graphs, limits, rules of derivatives, integrals and their application.

### **Pre-Calculus 12 & AP Calculus 12 MPREC12H & ACAL-12**

Pre-Calculus 12 and AP Calculus 12 is a combined year-long course. This course is intended for students who have a strong aptitude for Mathematics and will go on to study mathematics, business, engineering or science at the post-secondary level. Pre-Calculus 12 will be covered at an accelerated pace to allow more time for AP Calculus material, leading up to the AP Exam in May. The AP Calculus topics include: properties of functions, limits, derivatives, integrals, and their applications. It is strongly recommended that students complete Pre-Calculus 11 with an A or B.

### **Chess 11 YMATH1A**

This course is designed to introduce students to the wonderful world of chess. The course will focus on the rules and etiquette of chess, how to read and record chess games, strategy, tactics, opening, middle, and endgame theory. As well, the course will focus on the study of famous master games with emphasis on daily in-class play and tournaments. Not only will the course take the student from beginner to novice, but students will also benefit from the logical, critical, and analytical thinking chess provides. The skills students develop from taking chess may be transferred to all subject areas and help students better prepare for the challenges of life. This course is open to grade 10, 11 and 12 students.

### **Chess 12 YMATH2A**

Chess 12 is an extension of Chess 11. Students will continue to develop their analytical and critical thinking skills and further progress their knowledge of the aspects of Chess; visualization, pattern recognition, opening, middlegame, endgame, and analysis of games will be developmentally incorporated. This course is designed to bridge a novice player to an intermediate player. As a result, a student

may be comfortable competing in almost any chess tournament around the world, as well as play for leisure. Lastly, the student will be able to teach the game of chess to a family member or friend. Although not necessary, completion of Chess 11 is recommended before taking Chess 12.

## MUSIC

The music department at Terry Fox believes that making music and art and participating in musical communities are essential for the development of the whole person. We offer students opportunities to be a part of a wide variety of music courses and communities at every level of ability.

Besides the fun, meaning, and community that comes from making music, music also supports student success in other areas of learning and parts of their lives. Through music, students:

- gain a discipline, perseverance, and pride of accomplishment
- are encouraged to be active participants in their work rather than just observers
- become better at problem solving. They learn to be self-critical and self-correct
- learn teamwork, co-operation, and leadership skills
- gain confidence, self-expression, and communication skills
- gain enhanced memory skills and concentration
- form bonds of friendship and memories that will last a lifetime

It has been shown that there is a strong link between music and spatial intelligence (the ability to perceive the visual world accurately, to form mental images of visual objects, and to recognize variations of objects). These spatial reasoning skills are essential to the studies of math, science and engineering, and many colleges and universities give weight to people who have studied "classical" music when reviewing applications for entrance, scholarship, or bursaries.

## CONCERT BAND COURSES

Concert band is perfect for anyone who wants to explore music in a group setting while discovering what woodwind, brass, string, or percussion instruments can do together! We emphasize playing skills and musicianship, and through music from around far and wide (including movies, musical theatre, culture, and sources old and new). Students will perform several concerts each year and we also do various field trips and tours as a group. All concert band courses are scheduled during the regular timetable and run every other day, all year. Beginner band students are welcome at all grade levels.

**NOTE: Since Concert Band is scheduled into Block E, it may be taken in addition to an 8 course load.**

### Band 9: Linear XBA---09

For students in gr. 9. (FNA)

### Music 10: Concert Band Linear MMUCB10

For students in gr.10 (FNA)

### Instrumental Music 11: Band Linear MIMCB11

For students in gr. 11 (FNA)

### Instrumental Music 12: Band Linear MIMCB12

For students in gr. 12

## CHOIR COURSES

Everyone who likes to sing is welcome to join, learn, and grow with the Choir. No prior musical experience is necessary. Students will learn a wide variety of music as they rehearse repertoire and prepare for performances. Vocal techniques, movement/choreography, and performance skills will be taught. The choirs present several concerts each year and will have the opportunity to participate in any tours or trips the department undertakes. All Choir courses are scheduled during the regular timetable and run every other day, all year

**NOTE: Since Concert Choir is scheduled into Block E, it may be taken in addition to an 8 course load.**

### Choir 9 Linear XC---09

For grade 9 students.

### Music 10: Concert Choir 10 Linear MMUCC10

For grade 10 students.

### Choral Music 11: Concert Choir Linear MCMCC11

For grade 11 students

### Choral Music 12: Concert Choir Linear MCMCC12

For grade 12 students.

### Music 9 - Guitar XGUIT09

This course is designed for those with little or no previous experience on the guitar. Students begin by learning the basic chords and how to read guitar tab. In addition to learning many songs, students will learn strumming, picking, power and barre chords, and some extended techniques. The school provides guitars and music for this course.

### Music 10 – Guitar MMUGT10

This course is designed for those with little or no previous experience on the guitar. Students begin by learning the basic chords and how to read guitar tab. In addition to learning many songs, students will learn strumming, picking, power and barre chords, and some extended techniques. The school provides guitars and music for this course.

### Instrumental Music 11: Guitar MIMG-11

Students who wish to continue guitar studies, or are a senior student and wish to learn guitar for the first time are encouraged to take this course. Also, students who have taken Rock School 9-12 and wish to continue to study intermediate performance guitar skills are encouraged to take this course.

### Instrumental Music 12: Guitar MIMG-12

Students who wish to continue guitar studies, or are a senior student and wish to learn guitar for the first time are encouraged to take this course. Also, students who have taken Rock School 9-

12 and wish to continue to study guitar are encouraged study to take this course. The emphasis will be on continuing to develop tab/ note reading, chording, and accompaniment skills. Students will receive individualized instruction for part of the term and will receive additional instructional in extended techniques. eg. bends, hammer-ons, pull-offs, scales, soloing, and improvisation in addition to the opportunity to pursue more challenging guitar repertoire. The school provides guitars and music for this course.

### TECHNOLOGY-BASED MUSIC COURSES

The following music courses provide instruction on how to perform and record using professional music technology and equipment. Student portfolios and skill sets developed during the senior levels of Rock School and Recording Arts may be considered for preferential admission, advanced credits, and scholarship applications when students apply to be accepted to the following post-secondary institutions:

Nimbus School of Recording Arts, The Art Institute of Vancouver (AI), and the Douglas College Music Technology Certificate Program. The Terry Fox Rock School and Recording Arts program has been nationally recognized for its excellence and innovation. For more information please visit [www.rockthefox.ca](http://www.rockthefox.ca)

#### Music 9 - Rock School 9 MMU-09

*Students should have some beginner music skills, **but all students are encouraged to join.** Beginner students will have the opportunity to learn their instruments during the course and will not be required to perform at the final show if they feel they are not yet performance ready.* This course is designed to create a learning environment for beginner and intermediate musicians who wish to perform in band formats of all genres including **Rock, Metal, Pop, Punk, R&B, Rap & Hip Hop**. Students will receive basic instruction in how to play their instruments. They will also learn how to organize and rehearse a contemporary music ensemble. Students will be able to choose their instrument and style of music.

Students will also be taught the following: cultural significance of popular music, operating and maintaining basic equipment, performance techniques and audience interaction, recording opportunities, developing promotional materials and understanding the music business. Opportunities to perform will be made available, **but performance at the year-end concert is not mandatory in Grade 9.**

#### Contemporary Music 10 - Rock School MMUCM10

*Students should have a basic understanding of beginner level skills on instrument or voice. **However, ALL Students are invited to join rock school for the first time in order to develop their musical skills.***

A continuation of Rock School 9, this course is designed to create a learning environment where students who are already able to play their instrument(s) will receive instruction in how to organize and rehearse contemporary music ensembles in the genres of their choosing including **Rock, Metal, Pop, Punk, R&B, Rap & Hip Hop**. Students should have enough ability to play through a simple song to a CD at tempo. **\*However, beginners are encouraged to join in order to develop their music skills for the first time.**

Students will **develop the ability** to perform at an intermediate level and have the ability to have intermediate knowledge of equipment set up and maintenance. Opportunities to perform will be made available. **Beginner students will have the opportunity to learn their instruments during the course and will not be required to perform at the final show if they are not yet performance ready. These students will receive an adapted grade.**

#### Contemporary Music 11 - Rock School MMUCM11

*Students should have an understanding of beginner level skills on instrument or voice. **However, ALL Students are invited to join rock school for the first time in order to develop their musical skills.***

A continuation of Contemporary Music 10, this course is designed to create a learning environment for advanced musicians who will receive instruction in how to organize and rehearse contemporary music ensembles in the genres of their choosing including **Rock, Metal, Pop, Punk, R&B, Rap & Hip Hop**. Students should have enough ability to play through a simple song to a CD at tempo. Experienced students will be expected to perform a full set of contemporary music. Opportunities to perform will be made available.

**Beginner students will have the opportunity to learn their instruments during the course and will not be required to perform at the final show if they are not yet performance ready. These students will receive an adapted grade.**

#### Contemporary Music 12 - Rock School MMUCM12

*Students should have an understanding of beginner level skills on instrument or voice. **However, ALL Students are invited to join rock school for the first time in order to develop their musical skills.***

This course is designed to continue a more in depth study of the concepts taught in Contemporary Music 11 and apply them to performing complex arrangements in the genres of their choosing including **Rock, Metal, Pop, Punk, R&B, Rap & Hip Hop**. Students **should** have enough ability to play through a simple song to a CD at tempo. **\*However, beginners are encouraged to join in order to develop their music skills for the first time.**

**Beginner students will have the opportunity to learn their instruments during the course and will not be required to perform at the final show if they are not yet performance ready. These students will receive an adapted grade.** Different approaches to arranging contemporary (rock) music will be explored. Students will be instructed in methods of communicating contemporary arrangements to a rock band musical ensemble in order to rehearse and perform them. Students will be instructed on copyright law and registering with SOCAN



as well as reviewing other essential information regarding the music business.

### **Instrumental Music 11 – Rock School MIMJB11**

This course provides opportunities to explore composing original songs and/or further explore genres of music at an advanced level in a group environment on a variety of instruments. Students will receive instruction on how to develop advanced skills in performing new music of their choice and/or brainstorm ideas for composition and how to structure those ideas into original contemporary songs using a variety of compositional forms, melody, rhythm and rhyme schemes. Students will also learn how to score their songs in lyric/chord format and will have the opportunity to perform their original songs in the genres of their choosing including **Rock, Metal, Pop, Punk, R&B, Rap & Hip Hop**. This course is blended with Rock School 11.

### **Instrumental Music 12 – Rock School MIMJB12**

This course is an extension of Instrumental Music 11 – Rock School. This course builds on increasingly complex and refined original, and/or cover songs. Students will receive instruction on how to release their songs to radio, protect their copyright and register their songs with SOCAN. Students will have the opportunity to perform their original songs in the genres of their choosing including **Rock, Metal, Pop, Punk, R&B, Rap & Hip Hop**. This course is blended with Rock School 12.

### **Music 9 - Recording Arts 9. MMU-09RA**

Students should have some beginner music skills, but it is not absolutely necessary. All students are encouraged to join. This is an introductory course designed for students who want to learn how to digitally record music. **This is a great opportunity for students to learn how to record their favourite music styles including Rap, Hip Hop and electronic dance music.** Students will get hands on instruction in basic modern recording techniques, which are essential

to the professional composer/recording artist. Students will receive an mp3 of their mastered recording.

### **Media Design 10- Recording Arts MMEDD10**

Students should have some beginner music skills, but it is not absolutely necessary. All students are encouraged to join. This is an intermediate course designed for students who want to learn how to digitally record music.

**This is a great opportunity for students to learn how to record their favourite music styles including Rap, Hip Hop and electronic dance music.** Students will get hands on instruction in multi-track recording techniques, which are essential to the professional composer/recording artist. Students will receive an mp3 of their mastered recording. Students who register for this course should be able to play at least one musical instrument and/or be able to sing, but this is not absolutely necessary as the focus of this course is on audio engineering and not musical performance.

### **Music Composition and Production – Recording Arts 11 MMUCP11**

Students should have some beginner music skills, but it is not absolutely necessary. All students are encouraged to join. **This is a great opportunity for students to learn how to write or arrange and record compositions of their favourite music styles including Rap, Hip Hop and electronic dance music.** This is an advanced course designed for students who want to extend the previous level of skills. However, first time students are also welcomed to enroll and they will receive entry-level instruction to enable them to have success in this course. Students will receive an mp3 of their mastered recording.

### **Music Composition and Production – Recording Arts 12 MMUCP12**

Students should have some beginner music skills, but it is not absolutely necessary...All students are encouraged to join. **This is a great opportunity for students to learn how to write or arrange and record their favourite music styles including Rap,**

### **Hip Hop and electronic dance**

**music.** This is an advanced course designed for students who want to extend the previous level of skills. However, first time students are also welcomed to enroll and they will receive entry-level instruction to enable them to have success in this course. Students will receive an mp3 of their mastered recording.

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## **PHYSICAL EDUCATION**

### **Physical Education 9 Girls MPHE--09G**

### **Physical Education 9 Boys MPHE--09B**

This course will include an introduction and exposure to a wide variety of team, partner and individual activities with emphasis on basic skill development, fitness and sportsmanship. Activities may include volleyball, football, lacrosse, rugby, tennis, wrestling, minor games, basketball, dance, ultimate Frisbee, badminton, ball hockey, table tennis and softball.

### **Physical Education 10 Girls MPHED10G**

### **Physical Education 10 Boys MPHED10B**

This course is a continuation of the PE 9 course with the opportunity to continue developing and refining skills and game strategies. In addition, students will be certified in CPR.

### **Active Living (PE) 11 Co-Ed MACLV11**

This course is designed for Grade 11 or 12 students who enjoy team sports and individual activities in a variety of sport settings. Students will participate in a variety of school-based and optional community-based activities including: bowling, golf, volleyball, softball, ball hockey, basketball, touch football, ultimate Frisbee, tennis, table tennis, soccer, dodge ball, weight training, swimming and handball. Weekly cardiovascular workouts and runs are important components of this course.

\$40 Course Enhancement Fee to fund P.E. field trips

### **Active Living (PE) 12 Co-Ed MACLV12**

*Strongly Recommended: Active Living 11*

This course is an extension of the PE 11 course and is designed for Grade 12 students who enjoy team sports and individual activities in a variety of sport settings. Students will participate in a variety of school-based and optional community-based activities including: bowling, golf, volleyball, softball, ball hockey, basketball, touch football, ultimate Frisbee, tennis, table tennis, soccer, dodge ball, weight training, swimming and handball. Weekly cardiovascular workouts and runs are important components of this course. \$40 Course Enhancement Fee to fund P.E. Field Trips.

### **Fitness and Conditioning 11 (Aerobics)** **MFTCD11A**

This co-educational elective course is designed for students who desire to increase cardiovascular and muscle fitness. Students will engage in intense cardiovascular classes, inclusive of aerobics, stability ball workouts, circuits as well as fitness knowledge theory (1 class per week). Students enrolled in the course will become certified in Fitness Knowledge (the base course needed for becoming an aerobics instructor, water fit instructor or weight trainer). Only those students who wish to be challenged should consider taking this course. \$40 Course Enhancement Fee funds fitness activities.

### **Fitness and Conditioning 12 (Aerobics)** **MFTCD12A**

*Strongly Recommended: Aerobic 11 Aerobics*

This co-educational elective course is a continuation of Fitness 11 Aerobics with an emphasis on increasing cardiovascular and muscle fitness. As in Aerobics 11 students will engage in challenging fitness classes. Students enrolled in this course have the option to be certified in the CFES (Canadian Fitness Education Services) Aerobics instructor course. Those students who choose to be certified will learn about instructor teaching skills, program planning, and the components of an aerobics class and safety considerations. **Note:** Group Exercise and Music Instructor's Certification is optional. \$40 Course Enhancement Fee funds fitness activities.

### **Boys Fitness and Conditioning 11** **Basketball MFTCD11BB**

### **Girls Fitness and Conditioning 11** **Basketball MFTCD11BG**

### **Boys Fitness and Conditioning 12** **Basketball MFTCD12BB**

### **Girls Fitness and Conditioning 12** **Basketball MFTCD12BG**

This course is designed for athletes who wish to develop sport specific fitness and skills. Students will focus on a wide variety of advanced conditioning programs such as plyometrics, interval training, running, and weight training as they relate to basketball. Specific physical components of the course will include speed, agility, weight training and quickness. Special emphasis will be placed on developing individual skill development programs that best meet the student's needs. This course is open to grade 10, 11 and 12 students and will be offered on a linear schedule from 6:45am to 7:30am.

### **Weight Training 9 XHL--09ST**

This co-educational course provides the opportunity for students to actively develop personal fitness. The objective of this elective program will be to utilize a variety of training methods to achieve improved levels of fitness. Weight training will be the foundation of this course and should be of interest to students with or without previous weight training experience since basic techniques and safety will be fundamental to the program. \$5 workbook fee.

### **Weight Training 10 YHRA-0A**

This co-educational course provides the opportunity for students to actively develop personal fitness. The objective of this elective program will be to utilize a variety of training methods to achieve improved levels of fitness. Weight training will be the foundation of this course and should be of interest to students with or without previous weight training experience since basic techniques and safety will be fundamental to the program.

\$5 workbook fee.

### **Fitness and Conditioning 11 (Weight Training)** **MFTCD11**

This co-educational elective course is offered as a continuation of the program developed in the Weight Training 9/10 option. The course emphasis will be on developing and maintaining personal fitness. Weight training and selected exercise techniques will provide the basis for this course. Circuit training, split routines, pyramid training and developing your own program are emphasized. This course is highly recommended for all student athletes. \$5 workbook fee.

### **Fitness and Conditioning 12 (Weight Training)** **MFTCD12**

This co-educational elective course is offered as a continuation of the program developed in the Weight Training 11 course. The course emphasis will be on developing and maintaining personal fitness. Weight training and selected exercise techniques will provide the basis for this course. The BFS (Bigger, Faster, Stronger) program is emphasized. This course is highly recommended for all student athletes. \$5 workbook fee.

### **Fitness and Conditioning 11** **Football MFTCD11FB**

### **Fitness and Conditioning 12** **Football MFTCD12FB**

This course is designed for athletes who wish to develop sport specific fitness and skills. Students will focus on a wide variety of advanced conditioning programs such as plyometrics, interval training, running, and weight training as they relate to football. Specific physical components of the course will include speed, agility, weight training and quickness. Special emphasis will be placed on developing individual skill development programs that best meet the student's needs. This course is open to grade 10, 11 and 12 students.

### **Dance 9 MDNC-09**

Dance 9 will focus on learning different dance styles including Jazz, Hip hop, Modern and even folk dance. Students will be exposed to different styles of dance and movement while also having the chance to do their own choreography and performance. Dance 9 introduces students to the history and theory behind dance.

**Dance 10 (Choreography) MDNC-10**  
**Dance 10 (Tech & Performance) MDNTP10**

Dance 10 will focus on learning different dance styles including Jazz, Hip hop, Modern and even folk dance. Students will be exposed to different styles of dance and movement while also having the chance to do their own choreography and performance. Dance 10 introduces students to the history and theory behind dance.

**Dance 11 (Choreography) MDNC-11**  
 Choreography 11 provides students with opportunities to create dance for a variety of informal and formal settings and for a variety of purposes. Students learn to explore, create, refine, and produce dance using the elements of movement to serve artistic intentions. By working through the creative process, students develop an understanding of these elements and how they combine to form the final product, a choreographed piece. In Choreography 11 students also have opportunities to apply a range of techniques in composing dance in some of the diverse styles and genres found in Canadian society

**Dance Technique and Performance11 MDNTP-11**

Technique and Performance 11 will focus on dance as a performance art. By participating in formal and informal performances in a variety of settings, students increase their knowledge and develop skills in all phases of dance preparation and production. The emphasis is on refining students' control of the elements of movement and presentation. Developing their awareness of the social contexts in which dance occurs is also important.

**Dance 12 (Choreography) MDNC-12**

Choreography 12 provides students with opportunities to create dance for a variety of informal and formal settings and for a variety of purposes. Students learn to explore, create, refine, and produce dance using the elements of movement to serve artistic intentions. By working through the creative process, students develop an understanding of these elements and how they combine to form the final product, a choreographed piece. In Choreography 12 students also have opportunities to apply a range of techniques in composing dance in some of the diverse styles and genres found in Canadian society

**Dance Technique and Performance11 MDNTP-11**

Technique and Performance 12 will focus on dance as a performance art. By participating in formal and informal performances in a variety of settings, students increase their knowledge and develop skills in all phases of dance preparation and production. The emphasis is on refining students' control of the elements of movement and presentation. Developing their awareness of the social contexts in which dance occurs is also important.

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## SCIENCE

**Science 9 MSC--09**

Science 9 will provide students with opportunities to better understand the natural world. It is composed of four units: Chemistry, Electricity, Cellular Reproduction and Ecology. The units may include lab-based programs where students learn about safety and acquire lab skills, build electrical circuits and make observations, collect data and analyze abiotic and biotic factors at Lakeburn Lagoon. All units connect to an online digital learning course offered through Coquitlam Online Learning, please see [www.terryfox.sd43.bc.ca](http://www.terryfox.sd43.bc.ca). Students also have the opportunity to explore a topic in science by designing and conducting an experiment that personally interests them in a STEM Science Fair.

**Science 9 Honours MSC--09H**

Science 9H provides the opportunity for students to go deeper into the Science 9 curriculum. The course is intended for academically strong students who have a keen interest in science. Enrollment is limited, and students will be selected for the program based upon an entrance exam. The exam tests their understanding of scientific inquiry, their ability to make good observations, analyze data and make justified conclusions. The course is specifically designed for students with a strong aptitude for science, but who have also demonstrated enthusiasm and responsibility in science classrooms.

**Science 10 MSC--10**

In Science 10, students will be encouraged to think critically, solve problems, make ethical decisions and increase their scientific literacy. The course is composed of four units: Chemistry, Energy (Physics), Genetics (Biology), and Astronomy. In the Chemistry unit, students will investigate how atoms are able to interact to form compounds and understand how chemical processes are part of our everyday life. During the Physics unit on energy, students will be learning about the properties of kinetic and potential energy and how that energy is transformed into other forms of energy in the world around us. In Biology, the students will learn about DNA and how it connects all living things. They will understand how the genes and the traits expressed by our DNA, are passed on from generation to generation. Finally, in the Astronomy Unit, the students will learn about the Big Bang Theory, how the universe was formed, and how technology helps us explore the universe around us. Students have the opportunity to explore a topic in science by designing and conducting an experiment that personally interests them in a STEM Science Fair.

**Science 10 Honours MSC--10H**

Science 10H provides the opportunity for students to go deeper into the Science 10 curriculum. The course is intended for academically strong students who have a keen interest in science. Enrollment is limited, and students will be selected for the program based upon their success in

Science 9/Science 9H. The course will be offered in semester one of the grade 10 year to allow students to select grade 11 science courses in the second semester. Interested students may apply with a recommendation from their Science 9 teacher and a counsellor.

### **Environmental Science 11 MEVSC11**

This course provides students with the fundamental knowledge and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including diverse ecosystems, natural processes, human impacts and sustainability, as well as stewardship and habitat restoration. Students will have opportunities for field work in our own greenhouse and gardens, Blakeburn Lagoon, as well as other local habitats. Students will connect with community mentors and engage with First Peoples perspectives and other Traditional Ecological Knowledge. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' scientific, mathematical and environmental literacy.

### **Life Sciences 11 (Biology) MLFSC11**

This course is designed to introduce students to the diverse adaptations and ecological relationships in a variety of living organisms. The course will cover the following topics: microbiology, mycology, plant biology, animal biology and ecology with themes of evolutionary change throughout the course. Students are introduced to a variety of biological skills and scientific processes. Laboratory work, including microscopy, investigation and classification of organisms as well as dissection is emphasized in this course.

### **Anatomy and Physiology (Biology) 12 MATPH12**

This rigorous academic course encompasses two major topics of study: cellular biochemistry and human physiology. Cellular biochemistry focuses on cell organelles structure and function, biological molecules, DNA and protein synthesis. The human physiology portion

emphasizes the interrelatedness between the major body systems: digestive, circulatory, respiratory, nervous, endocrine, excretory (urinary), and reproductive. It is strongly recommended that students have success in both Chemistry 11 and Biology 11 (a C+ or better grade) before attempting this course.

### **Chemistry 11**

Chemistry 11 is senior science course in which students are introduced to how chemical quantities impact chemical processes. This course is composed of five modules or units: Atoms and Molecules, The Mole, Chemical Reactions and Stoichiometry, Solution Chemistry and Organic Chemistry. This course includes an inquiry lab-based program that relies on student's physical skills in chemistry and requires students to predict results, plan and conduct experiments so they can analyze data to formulate conclusions. During the semester, students have the opportunity to design & conduct their own experiment and participate in the Terry Fox STEM fair. A strong background in Mathematics is required for a high level of success in this course.

### **Chemistry 12**

Chemistry 12 is a lab-oriented course that will introduce students to Equilibrium in chemical processes. It is composed of five modules: Reaction Kinetics, Chemical Equilibrium, Acids and Bases as well as Oxidation/Reduction Reactions. This course includes an inquiry lab-based program that relies on a high level of physical skills in chemistry and requires the students to predict results, plan and conduct experiments so they can analyze data to formulate conclusions. It is strongly recommended that students finish Chemistry 11 with a C+ or higher before selecting Chemistry 12.

### **Earth Science 11**

This is a survey course designed to introduce students to the diverse aspects of earth and space science. The main organizing units are Earth and its Environment, Geologic Science,

### **MCH--11**

### **MCH--12**

### **MESC-11**

Oceanographic Science, Astronomical Science, Atmospheric Science, and Earth History. The course has a significant hands-on component aimed at developing both knowledge and the various skills of science.

### **Specialized Science (Astronomy) 12 MSPSC12**

Astronomy is the scientific study of stars, galaxies, planets, moons, asteroids, comets, and other "celestial objects". This course provides a comprehensive introduction to modern astronomy including its historical development, practical sky observations, telescopes and detailed information on the planets and moons in our solar system. In addition, we will study the formation of exotic objects such as quasars, pulsars, black holes and neutron stars within the context of the life cycle of stars and the origin and evolution of our universe.

### **Geology 12**

This course covers the fundamentals of geology: Rocks, minerals, geologic time, fossils, plate tectonics, earthquakes, volcanoes, surface processes, comparative planetology, structural geology, geologic map interpretation and earth resources. This course will offer both theoretical and practical lessons in geology along with an emphasis on the geologic setting and history of British Columbia. Students interested in paleontology (fossils, dinosaurs, etc.) and/or the mining/resource industry will find this course particularly valuable.

### **MGEOL12**

### **Physcis 11**

In Physics 11, students develop and use mathematics tools (including some introductory two-dimensional trigonometry) and experimentation to study the nature of motion and the factors affecting motion. These are extended to the study of gravity, inertia, momentum and conservation of energy. The course also gives an overview of the nature of electric circuits and mechanical (sound) waves.

### **MPH--11**

### **Physics 12**

Physics 12 asks students to be much more rigorous in their analysis and mathematics

### **MPH--12**

of concepts. These ideas include statics, circular motion, the relationship between fields (gravitational and electromagnetic) and in-depth two-dimensional trigonometric analysis of motion and inertia problems. There is also discussion of Einsteinian frames of reference and relativity. It is greatly recommended that students have a good proficiency in mathematics when choosing Physics 12.

### **Science for Citizens 11(Science and Technology) MSCCT11**

Science for Citizens 11 allows students to explore the connection between science, technology and society while developing skills for analyzing these interactions. Students will discover that technology opens debates about our moral and ethical responsibilities. They will also explore how science informs our decisions and impacts our daily lives. Science for Citizens 11 is a multi-disciplinary course that covers topics in three major sections: personal science, workplace science and global science. Personal science will cover nutrition, health and proper usage of household chemicals. Workplace science explores chemicals used in the workplace as well as how science is used in the field of forensic investigations. Global science allows students to take more broad view of how science effects our lives through various extreme and natural weather events, why they occur and the impact they have on the environment. This course has a wide range of possible topics, and student interest and engagement can drive further study in particular sections. Emphasis will be placed on interaction and participation in class activities as well as engagement in discussion and group work. The goals of Science for Citizens 11 are to develop and appreciate the interactive nature of science, develop an ability to respond critically to technological and environmental issues and become scientifically literate citizens.

**\*\*This course satisfies the graduation requirements for a Science 11 course, though generally does not qualify as a science prerequisite for most university programs.**

### **Sports Medicine 11 YAH--1A**

This course is designed to expose students to aspects of Biology, Biochemistry and Physics as concerned with sports and the human body. The topics that will be explored will prepare students for post-secondary work in the faculties of Kinesiology (SFU) and Human Kinetics (UBC). Those topics include human anatomy and physiology, biomechanics and other principles of physics, analysis of team and individual sports, principles of training, nutrition, and sports injury management. This course does not provide a Science 11 credit but does count as an elective towards graduation.

### **SCIENCE CAREERS CO-OP**

<b>Physics 11</b>	<b>MPH--11P</b>
<b>Chemistry 11</b>	<b>MCH--11P</b>
<b>Independent Studies</b>	<b>MIDS-2BSC</b>
<b>Work Experience</b>	<b>MWEX-2ASC</b>

This program is for students interested in exploring science-related careers and doing some enrichment/application activities to extend science concepts learned in the regular curriculum. There will be opportunities for hands on experience through field trips and work experience. In order to apply, students need a minimum letter grade of B in Science 10, a minimum letter grade of B in Foundations of Mathematics and Pre-Calculus 10 and to have demonstrated good work habits. In grade 11, students take their Science Co-op courses together during Semester 2. An effort is made to arrange that all students complete their 90 hours of voluntary work experience at a similar time so that they do not miss regular class time. The grade 12 year is scheduled with the normal flexibility.

#### **Semester 1 - Grade 11**

- An English 11 - 4 credits
- A Social Studies - 4 credits
- A Math 11 - 4 credits
- Language or Life Science 11 or a Fine Arts Course - 4 credits

#### **Semester 2 - Grade 11**

- Physics 11 - 4 credits
- Chemistry 11 - 4 credits
- Independent Study Physics12 /Chemistry 12 - 4 credits

- Career Preparation Work Experience 12 - 4 credits

Note: The co-op is blocked into the timetable for blocks B-E. This leaves block A available for an elective if necessary. In Grade 12, students take 1 science 12 course to complete the WEX program as well as other courses required for graduation and post-secondary entrance.

## **SOCIAL STUDIES**

### **Socials 9 MSS--09**

This course offers students the opportunity to explore Canada's history from early contact with First Nations peoples, to the inception as a colony of France, to its entry into the British Commonwealth, and establishment of a nation. During this time period Canada began to develop a sense of identity that was influenced by political, social, and economic events both within and outside the country. Students will also study the physical geography of Canada and how that influenced the early development of Canada as a country.

### **Socials 9 Honours MSS--09H**

Students in this mature cohort will cover the same learning outcomes as SS9 (see above) but at an accelerated pace to allow for additional enrichment opportunities. Students will be responsible for previewing concepts at home and coming to class prepared to engage in higher level critical thinking. Students should be curious and motivated learners who have a special interest or aptitude in this area. Applications are available from the Socials Department. Space in this class is limited. Successful applicants will be contacted before the end of June each year.

### **Socials 10 MSS--10**

Students study Canadian history in the 19th century, with a focus on nation building: immigration, rebellions, Confederation, the development of the West, the history of British Columbia economy. Throughout their studies, students will consider the various conflicts between Canada's peoples (First Nations, first European immigrants) arising from

this time period, and relate these to current issues facing these same groups of Canadians today. Students will also be introduced to the Canadian economy, and they will continue to learn about Canadian geography.

### **Socials 10 Honours MSS--10H**

Students in this mature cohort will cover the same learning outcomes as SS10 (see above) but at an accelerated pace to allow for additional enrichment opportunities. Students will be responsible for previewing concepts at home and coming to class prepared to engage in higher level critical thinking. Students should be curious and motivated learners who have a special interest or aptitude in this area. Applications are available from the Socials Department. Space in this class is limited. Successful applicants will be contacted before the end of June each year.

### **Explorations in Social Studies 11 MEPSS11**

This is a new course that provides graduation credits for Social Studies and also gives students a small window into some Grade 12 electives such as History, Law, Comparative Cultures, and Geography. This course explores themes and topics such as Social Justice, Indigenous People Studies, Civics & Government and Human Geography. The course is meant to introduce students to potential Grade 12 courses they may wish to take in their Grade 12 year. Grade 11 Students are **STRONGLY** encouraged to take this course in their grade 11 year.

### **20<sup>th</sup> Century World History MWH--12**

Strongly Recommended: Social Studies 10 (a "B" standing or better is strongly recommended) This course is an in-depth study of major 20<sup>th</sup> century world events and the people who helped shape them. The course content is directly connected to the THREE main concepts: 1. Nationalist movements can unite people in common causes or lead to intense conflict between different groups. 2. The rapid development and proliferation of technology in the 20<sup>th</sup> century led to profound social, economic, and political changes. 3. The breakdown of long-

standing empires created new economic and political systems. Students will examine the major events, trends and personalities from this turbulent century, as well as developing fundamental skills needed to study History and properly understand the past. 20<sup>th</sup> Century World History is a challenging, interesting and important course with an emphasis on critical thinking, communication skills (written and oral) and citizenship.

### **Comparative Cultures 12 MCMCL12**

Art, architecture, writing, religion, technology and government are used to explore ancient civilizations including, Africa, Mesopotamia, Egypt, Greece, and Rome. This is a hands-on course with many opportunities for student to choose areas of interest and how they will demonstrate their learning. This is a great background course for students interested in all areas of History, Literature, as well as archaeology, and art history.

### **Physical Geography 12 MPGEO-12**

*Strongly Recommended: Social Studies 10 with a "B" standing or better* Physical processes that affect the earth in the past, present and future form the basis of this course. Topics include plate tectonics, volcanism, earthquakes, erosion, climate, weather, map skills, vegetation, and soils. The discussion of these topics leads to an understanding of resources and resource management and man's interaction with an ever-changing environment. Course study includes numerous tests and assignments as well as lab and field studies work. This course will form an excellent background for future studies or occupation in the field of geography.

### **Human Geography 12 MHGEO12**

This course investigates the complex relationship between human and their natural environment. Over time human have adapted, changed and exploited the earth's resources to meet the needs of a growing global population. Human Geography 12 analyzes this relationship through FOUR large concepts. 1. Analyzing data from a variety of sources allows us to better understand our globally connected

world. 2. Demographic patterns and population distribution are influenced by physical features and natural resources. 3. Human activities alter landscapes in a variety of ways. 4. A geographic region can encompass a variety of physical features and/or human interactions. The major course concepts will be explored through the following content topics: • demographic patterns of growth, decline, and movement • relationships between cultural traits, use of physical space, and impacts on the environment • relationship between First Peoples and the environment • global agricultural practices • industrialization, trade, and natural resource demands • factors behind increased urbanization and its influence on societies and environments • relationships between natural resources and patterns of population settlement and economic development • political organization of geographic regions.

### **B.C. First Peoples 12 MBCFP-12**

This course has a British Columbia focus. Students will have an opportunity to develop an understanding of and appreciation for First Nations values, beliefs, customs and traditions. The past, present and future of First Nations will be examined along with the changes that have impacted on traditional First Nations' ways of life. A key purpose of the course is to increase students' awareness of cultural differences. This course explores topics connected to FOUR main concept areas: 1. The identities, worldviews, and languages of B.C. First Peoples are renewed, sustained, and transformed through their connection to the land. 2. The impact of contact and colonialism continues to affect the political, social, and economic lives of B.C. First Peoples. 3. Cultural expressions convey the richness, diversity, and resiliency of B.C. First Peoples. 4. Through self-governance, leadership, and self-determination, B.C. First Peoples challenge and resist Canada's ongoing colonialism.

### **Political Studies 12 MPLST12**

This course examines a broad range of topics supported by THREE main course concepts. 1. Understanding how political

decisions are made is critical to being an informed and engaged citizen. 2. Political institutions and ideology shape both the exercise of power and the nature of political outcomes. 3. Decision making in a democratic system of government is influenced by the distribution of political and social power. Students will explore the main concepts through the following content areas:

- structure and function of Canadian and First Peoples political institutions
- major ideologies and political systems
- election processes and electoral systems
- methods used by media, governments, or political groups to influence public opinion
- political power in democratic and non-democratic societies
- current and future public policy
- scope and characteristics of the international system
- issues in local, regional, national, and international politics.

### Law Studies 12 MLST-12

This course is open to grade 11 and 12 students. The course will provide a comprehensive look into law and the legal process, particularly as they relate to the Canadian justice system. In addition to discussing the basic components of the law, the course will explore some of the major legal issues facing Canadians, including: the parole system; young offenders and juvenile justice; legal implications of physical and sexual child abuse; constitutional rights under the Charter; children's rights; forensics; women's rights. Field trips, guest speakers, films, and documentaries all add to the course. Students will analyze actual legal cases utilizing decision-making techniques with their legal knowledge to determine case outcomes.

### Social Justice 12 MSJ--12

This elective course is open to all students in grade 11 and 12. There are three focus areas: Defining social justice, recognizing and overcoming injustice, and creating a socially just world. The course explores various social justice topics/issues, including understanding people's values and identities, First Nations and settler issues, race, gender, LGBTQ2S+, class/poverty, and activism. A central core

of the course is in how to increase communication and understanding among people who may have different perspectives, world views, and backgrounds, and how to move us forward together!

### Psychology 12 YPSYC2A

The focus for this course is the scientific study of human behaviour. Students will be introduced to the history of psychology, the scientific method, the Brain and Biology, Stress, Sensation and Perception, Consciousness, Developmental Psychology, Abnormal Psychology, Gender and Human Sexuality. This course will be of interest to students who are considering careers in education, law and mental health.

#### University Credit Courses:

**It is recommended that students have at least a B average in academic classes to enroll in AP classes.**

### AP Psychology 12 (Advanced Placement) APSY-12

AP Psychology is a university level course on the scientific study of human behavior and mental processes. Students should be mature, self-motivated, problem solvers ready for a significant academic challenge and ideally students will already have taken Psychology 12. This course will cover: History and Approaches, Research Methods, the Brain and Biology, Sensation and Perception, Consciousness, Learning, Memory, learning, Motivation and Emotion, Developmental Psychology, Personality, Testing, Abnormal Psychology and Treatment as well as Social psychology. Students will have the opportunity to earn high school credit and also to write the AP exam in May to earn University credit. It is recommended that students have a minimum B average in academic classes.

## STUDENT SUPPORT SERVICES

*NOTE: Students in need of Student Services support are referred to these*

*courses via the School-Based Team by classroom teachers, counsellors, administrators, or parents. Priority placement is given to students with diagnosed learning disabilities (according to need). Others who are experiencing difficulty may be scheduled into these courses, or may drop in for extra help (after consultation between the classroom teacher and the LC).*

### LEARNING CENTRE 9, 10, 11, 12 (NON-CREDIT)

This course is taken in place of an elective, or in some cases in place of a specific course depending on the student's IEP.

Support can include:

- Academic skill development instruction.
- Learning, organizational, test-taking/study strategies instruction
- Where student learning needs warrant it, provision of alternate adapted or modified materials, self-paced curriculum, partial day schedule, small group instruction, or computer-based courses in place of regular class instruction
- Time and assistance to complete homework, review / clarify course concepts, prepare for tests, and write missed class exams.

### SKILL DEVELOPMENT PROGRAM 9-12 (NON-CREDIT)

The Skill Development Program offers integrated instruction and small group or 1 to 1 academic and life skills instruction for students with identified significant special learning needs. Access to this program is via District #43 screening only.

### Peer Tutoring 11 YED--1A Peer Tutoring 12 YED--2A

Peer Tutoring 11 and 12 are courses available to recommended students who enjoy helping others, attend regularly, and are conscientious students. Initial training will occur ***outside the regular timetable at the beginning of each semester***. All students are required to keep progress notes and meet the course evaluation criteria to earn credit. Students who do

this course as Grade 12 are expected to do an additional written assignment and more challenging support assignments to demonstrate their skills in helping others

## TRADES & TECHNOLOGY EDUCATION

Technology Education provides students with skills necessary to explore the realm of technological fields in our society. All trades & technology education courses are highly recommended for students wanting to have hands-on approach in their learning. Students are given the opportunity to design, create and construct using tools, machines and materials. Processes and problem solving will be emphasized at all levels of planning and fabrication. The technical courses also prepare students for the post-secondary vocational field and encourage them to become lifelong learners in a world of changing technology. Students may also pursue several areas in depth by taking the Career Preparation Program in carpentry-joinery, mechanics or drafting. We also offer the high school apprenticeship program in level 1 Carpentry-Joinery.

**Technology Education 9 MADPT09**  
Woodworking, Metal Work, Drafting & Design, Electronics and Basic Mechanics are the core areas of Technology Education. This course is designed to allow students to explore as many of the Technology Education areas as possible while developing an understanding of the technological and computer concepts that are used as they design, develop and build hands-on products and service mechanical devices. With this hands-on course students will use AutoCAD, vinyl cutter and plastic molding equipment. **This course forms the foundation to further pursue courses in the Trades & Technology Department.**

**Technology Exploration 10 MTEXP10**  
Woodworking, Metal Work, Drafting & Design, Electronics and Basic Mechanics are the core areas of Technology

Education. This course further builds on the Technology Education 9, but is also open to first time technology education students wanting to gain hands on learning with all aspects of the Terry Fox technology education curriculum. Students will be learning various aspects of design, manufacturing and testing their own projects. This course is highly recommended for anyone with further interest in any technology education program at the grade 11 and 12 level.

**Drafting 10 MTDRF10**  
This course is designed for students interested in drafting careers such as; engineering, interior design, industrial design, architecture, carpentry, steel fabrication, and many other trade professions. The students will explore the elements and techniques used for sketching, designing, modeling and creating mechanical and basic architectural drawings. This course covers the basics of board drafting then quickly moves on to 2-D Computer Assisted Drafting and Design (CADD) using AutoDesk AutoCAD software. Students will also have access to our 3-D printer and print their own designs out of ABS/PLA plastic. Students will be given the opportunity to create artistic CADD designs which may then be produced as vinyl decals, T-Shirt heat transfers or machined on our CNC equipment. Students will be expected to create a Portfolio of their work in analog or digital format.

**Drafting 11 MTDRF11**  
*Strongly Recommended: Drafting 10*  
This course is designed for students interested in exploring careers such as drafting, engineering, interior design, industrial design, architecture, carpenter, steel fabricator and many other trade professions. Building on the concepts learned during the Level 1 Drafting course (Drafting & Design 10) students will explore the elements and techniques used for sketching, designing, modeling and creating mechanical and basic architectural drawings. Students will also

have access to our 3-D printer and print their own designs out of ABS/PLA plastic. This course will allow the student to focus their learning in either Mechanical or Architectural Drafting using both manual and Computer Assisted Drafting and Design techniques. Students will be expected to create a Portfolio of their work in analog or digital format.

**Drafting 12 MTDRF12**  
*Strongly Recommended: Drafting 11*  
Building on the basics of Drafting & Design 11, this intermediate-advanced level course focuses on the development of skills and practices common to a draftsman, architect, engineer, surveyor, and scientist. This course is designed for the student interested in technical illustration and other drafting careers. Students will be using the 3-D printer and CNC router more extensively.

**Metalwork 10 MTMET10**  
**Metalwork 11 MTMET11**  
**Metalwork 12 MTMET12**  
This grade course involves general metalworking and the study of various branches of the metal working industry. The course involves theoretical and practical studies in the following areas: design, bench work, shop sketching, oxy-acetylene and mig welding, and machine operations. After completing the basic requirements of the course, students may study or complete projects in any area of metalwork under the guidance of the teacher. Basic supplies are provided, however, the student should expect to pay for project materials.

**Art Metal and Jewelry 12 MTAMJ12**  
This course is designed for students to learn metalwork techniques in the construction of projects. Emphasis will be on creativity and design prior to building. Students will learn to use drill presses, ring casting equipment, lathes, grinders and welding equipment, along with sheet metal and hand tools throughout the semester.

**Machining and Welding 12 MTMAW12**  
This course builds on the various welding processes studied in the requisite



Metalwork courses. Students will be producing a number of advanced welds using a variety of techniques, equipment and procedures. Emphasis is placed on operational and safety knowledge of the procedures and related equipment and tools while the student develops the techniques to produce quality welded joints through a range of advanced project work.

#### **Woodwork 10 MWWK-10**

This is a general interest course which provides the opportunity for students to make interesting projects and start to become familiar with the operation of woodwork machines and hand tools. Students will learn to correctly and safely use table saws, band saws, jointer, thickness planer and routers as they are building a variety of wood projects that they will take home throughout the year. Basic costs are covered but it is expected that students pay for the materials.

#### **Woodwork 11 MWWK-11**

This course will introduce students to the fundamental skills that are common in the trades of carpentry and joinery. The curriculum is intended to build on the skills learned in wood work 10 so students that have not participated in that course will be placed at an entry level whilst students who have successfully completed the course will be working at an intermediate level. Students will have the opportunity to create and construct a variety of projects made with different species of wood. It is expected that students will produce two or three quality projects in this program that they will take home throughout the year. The projects will form the basis upon the students assessment. Basic costs are covered but it is expected that students will pay for the materials.

#### **Woodwork 12 MWWK-12**

This course is structured to provide the opportunity for students to further develop their skills in the production of more advanced wood projects. Special skills and machine set-ups will be used in the construction of projects for personal use. Students will gain the skills that are fundamental in the carpentry and joinery

fields and achieve a sense of accomplishment in being able to demonstrate the skills acquired in relation to a range of learning objectives. Basic costs are covered but students are expected to pay for the materials.

#### **Furniture and Cabinetry 12 MTFAC12**

This course is structured to study and practice cabinetry and millwork procedures. Types of materials, hardware and finishes in cabinet construction will be explored. The construction of face frame and flush style cabinets as well as drawer components and stile and rail doors will be taught. Students will have the opportunity to create projects made with wood and achieve a sense of accomplishment in being able to demonstrate the skills acquired in relation to a range of learning objectives. Students should have successfully completed a grade 11 level woodwork course before enrolling. It is expected that students will complete two or three quality projects to take home during this program. Basic costs are covered but it is expected that students will pay for the materials.

#### **Power Technology MTPOW10**

This course focuses on the human discovery and use of alternate energy sources that provide us with transportation and home comfort. It will involve teamwork, problem solving, basic mechanics as well as individual assignments. Students will study the principles of 2 and 4 stroke engines to provide a basis for Automotive Technology 11.

#### **Auto Maintenance 11 YMR--1A**

This course is designed to provide the future owner/driver with a basic working knowledge of the mechanical functions of the modern automobile. Owning a vehicle is not required to participate the class. The practical work and demonstrations will cover the basic routine maintenance, repair and safety checks required to keep your vehicle in proper running order. NOTE: This is a BASIC COURSE ONLY, it is consumer oriented, covering the operating, maintaining and purchasing of an automobile.

#### **Automotive Technology 11 MTAUT11**

*Strongly Recommended: Power Technology 10.* This course is designed as an introduction to the basic repair and maintenance procedures of the modern automobile. Owning a vehicle is not required to participate the class. The Students leave this course with a basic understanding of the working systems of the automobile, the tools used, and the industry-wide standards of safety, maintenance and repairs.

#### **Automotive Technology 12 MTAUT12**

*Strongly Recommended: Automotive Technology 11.* Building on Automotive Technology 11, this course will explore the theory and operation of advanced automotive systems. Owning a vehicle is not required to participate the class. The student is expected to possess a high degree of competency in basic shop procedures and hands-on exercises with minimal instruction. The students will be expected to apply their previous knowledge as they learn to diagnose and repair the more advanced vehicle systems that will be covered in Automotive Technology 12.

#### **Engine and Drive Train 12 MTEAD12**

*Strongly Recommended: Automotive Technology 11.* This course will have a focus on understanding how the engine and drivetrain work together in a vehicle. Students will have hands on experience with engine/drivetrain swaps, and the challenges associated with them. Custom fabrication and fitting of various automotive parts will also be covered in the course. This course is recommended for students that wish to have more of a hands-on learning experience.

#### **Skills Exploration MSTX-1A**

Do you like hands-on work, building, creating? Skills exploration is a course that allows students to explore various trades throughout a variety of hands-on projects. In this course, students will get to build a functioning bathroom from start to finish. Throughout this process students will learn skills in Carpentry, Electrical,

Plumbing and more. \*this course is available to grade 10 and 11 students only.

### **Skills Exploration Girls only MSTX-1B**

This course is designed for students who love to design, build and work with their hands. Students who take this course will get to engage in a number of "DIY Pinterest style" projects, where they will get to explore various trades. Students who take this course do not need any former experience in woodworking or other trades. This introductory course will take students through shop safety, use of equipment and will provide an introduction to fundamentals skills within woodworking, electrical, horticulture and other technical trades. Students who take this course will gain confidence working with tools and will be able to make their design come to life!

### **Trades in Training – TERRY FOX SECONDARY PROGRAM**

CARPENTRY 12A	TRNAA
CARPENTRY 12B	TRNAB
CARPENTRY 12C	TRNAC
CARPENTRY 12D	TRNAD

This post-secondary program is part of the Industry Training Authority **TRADES in TRAINING** initiative, and is open to Grade 12 students intending to pursue a career as a Red Seal Carpenter. Students will take 4 courses in the second semester and then complete 4 weeks at Kwantlen Polytechnic University from mid-June to early July. Students will earn 16 credits towards graduation and will write the Level 1 exam. A 70% grade on this exam will qualify the students to progress to Level 2 training when requirements for apprenticeship training hours are met. Work Based training will be an integral part of this program and must be completed by September 30<sup>th</sup> of the graduation year (students can earn anywhere from 8 to 16 credits as part of the work experience component). This program is designed for motivated students with a career focus and will provide excellent Apprenticeship placement advantages for successful students. Open to all District 43 students having the following:

Math 11 (if Essentials, C minimum)  
Carpentry and Joinery 11 recommended  
Physical Ability to do the job.  
Enrolment in this program will be limited to 18 students per year, and admission will be by application. The application process will include an interview and a review of attendance records as well as recommendation from a teacher. Applicants will need to have their courses programmed in such a way as to have their required Grade 12 courses completed by the fall semester.

## **POST SECONDARY INFORMATION**

### **POST SECONDARY EDUCATION AND TRAINING OPPORTUNITIES**

Current labor market information indicates that the jobs of the future will require education beyond grade 12.

### **HIGH SCHOOL GRADUATION**

Graduation from Terry Fox Secondary does not automatically guarantee entrance to a post-secondary institution.

**Students are responsible for determining the exact entrance requirements of the institution they wish to attend.** Visit the CAREER CENTER in the counseling office and see Ms. Moorhouse for assistance.

### **OPTIONS:**

In British Columbia students graduating from high school have a wide range of choices for post-secondary training.

These include:

- Technology, Trades and Apprenticeship programs at various post-secondary institutions
- Community Colleges
- Universities
- Specialty Universities/Institutes (e.g.: Emily Carr and The Justice Institute)
- Private Training Schools

Students may choose to enter university directly or they may take their first and/or second year of a university program at a local college. If they obtain the required GPA they may then transfer to second or third year university. There are many

advantages to completing the first year or two at a local college.

### **HOW DO I GET IN?**

Complete and current information is maintained in the Career Center regarding all public post-secondary education/training facilities in B.C. In addition, information on many private training schools is also available.

The following steps will help you plan a smooth transition from high school to post-secondary education/training:

- Check with your counselor to determine that you **will** graduate.
- Make an appointment with the Career Resource Facilitator in the Career Centre to discuss a post-secondary plan.
- Apply to the institution(s) of your choosing by internet (available in the Career Centre). Some colleges still accept paper applications.

***Applications for post-secondary institutions may begin as early as September of the year prior to your entering a post-secondary institution.***

### **CO-OPERATIVE EDUCATION**

Gain a slight edge in University! The job market you enter is very competitive. Participating in CO-OPERATIVE EDUCATION will give you a combination of academic preparation along with paid work experience in a business, industry or a branch of government. For detailed information contact the CO-OP Coordinator at the institution of your choice during your first year of university. Make things happen by design...not by accident!

### **INTERNATIONAL EXCHANGES**

Most universities offer international educational exchange programs with many overseas institutions. You pay local tuition fees while attending an international school. Contact the university international exchange office.

### **POST SECONDARY INSTITUTIONS**

Every effort is made to provide information which is as current as possible. **However the final responsibility remains with the**

**student to ensure that both general and specific entrance requirements are met.**

### (SAT) SCHOLASTIC APTITUDE TEST EXAMINATIONS

Students should be aware that American Universities and Colleges require a College Entrance examination score (S.A.T.). This examination should be taken early in the Grade 12 year.

### LANGUAGE PROFICIENCY INDEX (LPI)

Most BC colleges and universities require students to meet a minimum standard of English proficiency. You may need to take an English placement test.

### EAL STUDENTS

Many institutions require EAL students to take a TOEFL/IELTS or other such test prior to admission. Check to see which applies to your situation.

### BC MINISTRY OF EDUCATION

Information re: graduation, external courses & equivalency.

Contact

<http://www.bced.gov.bc.ca/graduation>

## BC PUBLIC POST SECONDARY INSTITUTIONS

There is several degree granting universities in BC. Among them are the traditional universities such as:

- University of British Columbia  
UBC (Vancouver & Okanagan)  
[ubc.ca](http://ubc.ca)
- Simon Fraser University  
SFU (Burnaby, Surrey, Vancouver)  
[sfu.ca](http://sfu.ca)
- University of Victoria  
[uvic.ca](http://uvic.ca)
- University of Northern BC  
[unbc.ca](http://unbc.ca)

There are also several universities that offer a combination of career, trades and technology programs as well as degree

programs such as:

- Capilano University  
[capilanou.ca](http://capilanou.ca)
- Kwantlen Polytechnic University  
[kwantlen.ca](http://kwantlen.ca)
- Thompson Rivers University  
[tru.ca](http://tru.ca)
- University of the Fraser Valley  
[ufv.ca](http://ufv.ca)
- Vancouver Island University  
[viu.ca](http://viu.ca)

Emily Carr University of Art & Design  
[www.ecuad.ca](http://www.ecuad.ca) specializes in undergraduate education in art, design and media.

The Justice Institute offers programs in law enforcement, Fire & Safety, Emergency Mgmt. and more: [www.jibc.ca](http://www.jibc.ca)

Trades & Technology in our area are located at the British Columbia Institute of Technology (BCIT) [www.bcit.ca](http://www.bcit.ca) and at Vancouver Community College (VCC) [www.vcc.ca](http://www.vcc.ca)

Douglas College [www.douglas.bc.ca](http://www.douglas.bc.ca) is our closest regional college, but some of our students are interested in specialty college programs offered at Langara College [www.langara.bc.ca](http://www.langara.bc.ca) and Vancouver Community College [www.vcc.ca](http://www.vcc.ca). Regional colleges offer some applied degrees and career programs of one or two years in length, as well as university transfer which permit transfer to a BC university into second or third year.

### APPLICATION TO POST SECONDARY INSTITUTIONS in BC & Canada

BC Post-Secondary Application Service:  
[Educationplannerbc.ca](http://Educationplannerbc.ca)  
Alberta College & University Application Service:  
[applyalberta.ca/pub/](http://applyalberta.ca/pub/)  
Ontario University Application Centre:  
[ouac.on.ca/105](http://ouac.on.ca/105)  
Ontario College Application Service:  
[ontariocolleges.ca](http://ontariocolleges.ca)

Other Canadian Colleges & Universities: **go to post secondary institution website to apply online.**

\*NOTE Deadlines for applications vary for Sept. entry for each post-secondary institution.

Check each institution or application site for verification. Students are welcome to receive assistance in the Career Centre.

### Transcripts

If you are applying to a post-secondary institution you must complete an online **Post-Secondary Institutions (PSI) Selections form** in order for official transcripts to be sent electronically to each post-secondary institution. Login at: <https://www.bced.gov.bc.ca/exams/tsw/tsw/student/>. In addition, some BC institutions require you to self-report your grades. They will instruct you. Some universities outside of BC may require an official paper transcript. See your counselor for a copy.

### OTHER USEFUL WEB SITES

Apprenticeship:

[itabc.ca](http://itabc.ca)

BC Transfer Guide: [www.bctransferguide.ca](http://www.bctransferguide.ca)

The Association of Universities & Colleges of Canada: [aucc.ca](http://aucc.ca)

TAKING THE SAT TEST for US Colleges & Universities:

Online registration is the simplest and quickest way to register. Go to the following link for registration and test dates:  
[collegeboard.org](http://collegeboard.org)

### Registration Information:

Country code: 651

High school code: 821273

### SCHOLARSHIP WEB SITES

#### Entrance Scholarships & Awards

UBC Okanagan/Vancouver:

<https://you.ubc.ca/financial-planning>

SFU:

<http://www.sfu.ca/students/financialaid/entrance.html>

UVIC:

<http://www.uvic.ca/registrar/safa/entrance-scholarships/index.php>

Douglas College:

<http://www.douglascollege.ca/student-services/financial/financial-aid>

BCIT:

<http://www.bcit.ca/finaid/>

#### External Scholarships

Canadian Scholarships

[scholarshipscanada.com](http://scholarshipscanada.com)

[yconic.com](http://yconic.com)

[studentscholarships.org](http://studentscholarships.org)

#### BC Government Scholarships & Awards:

[bced.gov.bc.ca/awards/](http://bced.gov.bc.ca/awards/)

#### Financial Aid

BC/Canada Student Loan Application:

[studentaidbc.ca](http://studentaidbc.ca)

Government of Canada Financial Aid:

[canlearn.ca](http://canlearn.ca)

## WORK EXPERIENCE PROGRAMS

After completing Career Life Education 10, students are given the opportunity to learn about and consider eight possible focus areas. Research has shown that students who focus their studies in career areas that interest them are more engaged in school, and do much better academically than students that are not focused in a career area.

Students can take courses in a Focus Area that interest them and pursue these during grade 12 (or Gr.11 for students in the Science Field) as an integral part of the process to gain 'on the job' experience in their chosen field with the course. Some Work Experience Programs are coordinated with similar post-secondary programs, which match given college or provincial institutions. It is recommended that interested students register for a chosen Work Experience Program when planning their grade 12 year.

All students who want into a Work Experience Program must select "Work Experience 12" on their course selection sheet. Like any other course, there are requirements around instruction. These are completed as follows: **30 hours** of classroom material (resume, WorkSafe BC, career exploration, post-secondary) followed **by 90 hours** on non-instructional hours worked in the community. This also serves to satisfy the work experience requirement for Grad Transitions. These 90 hours can be obtained in many ways: after school, weekends, pro-d days, holidays (Christmas and Spring Break) and summer (special arrangements must be made, this is rare). Examples of some work experience placements are listed below but note: some placements are very difficult to find (ex. firefighting, music or recording engineer, acting...) so students and parents should have good leads or contacts to facilitate the process.

Focus Area	Work Experience Course	Recommended Courses	Work Place Examples	Post Secondary Examples
<b>Business/Applied Business</b>	Business Education	2 Senior level courses from Business Education Dept.	Accounting, Advertising, Sales, Office, Computers, Management	Certificates, Diplomas Degrees (BBA, BCOMM etc.)
<b>Fine Arts, Design &amp; Media</b>	Technical Theatre	Stagecraft 11 & 12	Community Theatres, Terry Fox Theatre	Apprenticeship Diplomas, Degrees (TTC, Dip. BFA, BA)
	Theatre Management	Stagecraft 11 & 12, Hospitality/Tourism or Drama	Terry Fox Theatre	Diplomas, Degrees (AA Degree, BBA, BTM, BFA, BA)
	Design and Media Production	2 senior level courses from the Art dept or Computer graphics 11/12 and recommendation of teacher.	Print shops, Photo Studios, Film companies, Graphic design companies	Emily Carr, BCIT, Cap College, SFU Film, UBC Film, Art Institute, Kwantlen College
<b>Fitness and Recreation Careers</b>	Fitness and Recreation Careers	2 senior level P.E. courses and or Athletic Leadership	Community centre, fitness facilities, gym, sporting goods store	Certificates, diplomas, degrees (B.Sc.)
<b>Health and Human Services</b>	Teacher Careers	English 11, Math 11	Elementary, Middle Schools	Degrees, Diploma B Ed, BA, BSc, PDP
	Early Childhood Education	Human Services/Family Management 11/12	Day Care Centres, Pre-Schools	Certificates, Diplomas, Degrees (BA, CYC )
<b>Science And Applied Science</b>	Science Co-op	Science 10, Biology 11, Chemistry 11, One Science 12, IDS Chemistry/Biology 12	Health Care, Laboratories, Engineering, Veterinary Clinics and many more	Technical Diplomas, Career Diplomas, Degrees (Dip. Tech, BSc)
<b>Tourism Hospitality and Foods</b>	Hospitality /Tourism	Hospitality Tourism 11 & 12	Sectors: Food/Beverage, Accommodation, Adventure Tourism, Attractions, Events & Conferences	Certificates, Diplomas, Degrees, Trades Qualifications
	Culinary Careers	Foods 11 & 12	Food & Beverage Sector	Certificates, Diplomas, Degrees, Trades Qualifications

## WORK EXPERIENCE

### Your Ticket to the 21<sup>st</sup> Century



Focus Area	Work Experience Course	Recommended Courses	Work Place Examples	Post Secondary Examples
Trades & Technology	Construction-Carpentry/Joinery	Carpentry 11A, Carpentry/Joinery 11, Carpentry Joinery 12 (Cabinet, Furniture, Residential)	Mill Work Shops, Construction Sites, Cabinet Shops	ELTT, Apprenticeships, Dip. Technology, B. Technology
	Drafting	Drafting Design 11 & 12, Drafting Design 12 (Engineering & Mechanical)	Board Work/AutoCad, Architectural Companies	ELTT, Apprenticeships, Dip. Technology, B. Technology
	General Mechanics	Automotive Technology 11 & 12 Automotive Technology 12 (Electricity & Electronics), Automotive Technology 12 (Engine & Drive Train)	Car/Motorcycle Dealerships, Independent Mechanical Services, Heavy Duty Mechanical Repair Shops	ELTT, Apprenticeships, Dip. Technology

### SECONDARY SCHOOL APPRENTICESHIP PROGRAM

#### Youth Work In Trades Program

WORK IN TRADES, previously called *Secondary School Apprenticeship*, is for high school students who have – or may soon have – a full or part-time job in a trade (examples include: construction workers, cooks, mechanics, autobody, electrician). The apprenticeship program lets you earn up to 16 credits toward graduation for paid work. Each 120 hours worked plus completing short written assignments equals 4 credits of high school credit. At the same time, your work hours will count towards completion of the “on-the-job” training component of certification in that trade. You can also qualify for a \$1,000 Work In Trades scholarship. The scholarship does **NOT** need to go towards further training in the trades. Also, the scholarship is criteria-based. This means, the more students who qualify, the more scholarships that are given.

To participate in this program, students will need to find a sponsor employer who will provide you with a minimum of 120 hours of paid employment. For more information about these courses, please visit <http://www.sd43.bc.ca/CareerPrograms/> or contact Brett McLean [bmclean@sd43.bc.ca](mailto:bmclean@sd43.bc.ca)

#### Courses offered

- WRK 11A- 120 hours of paid work (4 credit course)
- WRK 11B- 120 hours of paid work (4 credit course)
- WRK 12A- 120 hours of paid work (4 credit course)
- WRK 12B- 120 hours of paid work (4 credit course)

For more information about Work In Trades, please watch the [Work In Trades Video](#) on our YouTube Channel

## “Youth TRAIN in Trades” Programs

The TRAIN programs are a great way for students to take advantage of tuition-free, level 1 training in 19+ trades programs.

For more information visit [www.43Careers.com](http://www.43Careers.com) or call/text Doug MacLean at 604-341-8977.

Trade Name	Program Details				
	Open to	Student Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
<b>Automotive Service Technician</b>	gr 12s + 1 <sup>st</sup> year after grad	≈ \$400	Semester 2 16 credits	Centennial	<ul style="list-style-type: none"> <li>Completion of Auto 11 and Auto 12 (“C+”)</li> <li>English Lang Arts 12</li> <li>any Math 11 (“C+”)</li> <li>“L” driver’s license and good computer skills</li> </ul>
<b>Automotive Collision Repairer</b>	gr 12s + 1 <sup>st</sup> year after grad	≈ \$800	Semester 1 + 2 Mon – Thurs 28 credits	VCC (Broadway)	<ul style="list-style-type: none"> <li>any Math 11 (“C+”)</li> <li>a plan for: English Language Arts 12</li> <li>Recommended: at least one Auto course</li> </ul>
<b>Automotive Painter</b>	gr 11s, 12s + 1 <sup>st</sup> year after grad	≈ \$800	Semester 2 20 credits	VCC (Broadway)	<ul style="list-style-type: none"> <li>English Language Arts 12</li> <li>any Math 11 (“C”)</li> <li>Recommended: “L” driver’s license</li> <li>Recommended: at least one Auto course</li> </ul>
<b>Baker</b>	gr 11, 12s + 1 <sup>st</sup> year after grad	≈ \$1,200	Sem 1 (early Aug – Jan) Mon – Thurs: 1pm – 7.30pm 24 credits	VCC (downtown)	<ul style="list-style-type: none"> <li>English Language Arts 11</li> <li>Food Safe Level 1</li> </ul>
<b>Bricklayer</b>	gr 11, 12s + 1 <sup>st</sup> year after grad	≈ \$275	Semester 1 16 credits	Pitt Meadows Sec. (Maple Ridge)	<ul style="list-style-type: none"> <li>English Language Arts 11</li> <li>any Math 11 (“C+”)</li> <li>Physical ability to do the job</li> </ul>
<b>Carpenter</b>	gr 11, 12s + 1 <sup>st</sup> year after grad	≈ \$425	Semester 2 16 credits (20 credits with WEX 12a)	Terry Fox (15 weeks) BCIT – Burnaby (6 weeks)	<ul style="list-style-type: none"> <li>Woodworking 11 (and ideally Wood 12)</li> <li>any Math 11 (“C+”)</li> <li>Strongly recommended – Drafting 11</li> </ul>
<b>Professional Cook</b>	gr 11, 12s + 1 <sup>st</sup> year after grad	≈ \$400	Semester 2 16 credits	Three site options: Gleneagle, Centennial or Riverside	<ul style="list-style-type: none"> <li>Food Safe Level 1</li> <li>Cook Training 11 and/or 12 or Foods &amp; Nut. 11 and/or 12 (ideally two or three of them)</li> </ul>
<b>Electrician</b>	gr 11, 12s + 1 <sup>st</sup> year after grad	≈ \$300	Semester 1 16 credits	Dr. Charles Best	<ul style="list-style-type: none"> <li>Math Foundations 11 (“C+”)</li> <li>Physics 11</li> <li>Recommended – a Tech Ed 10 or 11 course</li> </ul>
<b>Hairstylist</b>	gr 11, 12s + 1 <sup>st</sup> year after grad	≈ \$3,000	10 months (3 days/wk) Intakes: wide variety 40 credits	VCC (downtown)	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>a plan for: English Language Arts 12</li> </ul>
<b>Heavy Duty Mechanic</b>	gr 12s + 1 <sup>st</sup> year after grad	≈ \$1,600	9-month program Mon – Thurs Intakes: Sept, Nov, Apr, July 28 credits	VCC (Annacis Island)	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>any Math 11 (“B”)</li> <li>Auto 11 (“B”) ... ideally Auto 12 (“B”)</li> </ul>
<b>Cabinet Maker</b>	gr 12s + 1 <sup>st</sup> year after grad	≈ \$600	26-week program Intakes: Oct + Mar 28 credits	BCIT (Burnaby)	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>Wood 11 and Wood 12</li> <li>a plan for: English Language Arts 12</li> </ul>
<b>Metal Fabricator</b>	gr 12s + 1 <sup>st</sup> year after grad	≈ \$400	Semester 2 20 credits	BCIT (Burnaby)	<ul style="list-style-type: none"> <li>Full completion of grade 11... any Math 11 (“C+”)</li> <li>English Lang Arts 12</li> </ul>
<b>Millwright</b>	gr 12s + 1 <sup>st</sup> year after grad	≈ \$1,200	BCIT – Sem 1 and 2 intakes KPU – Sem 2 24 credits	BCIT (Burnaby) KPU (Cloverdale)	<ul style="list-style-type: none"> <li>Completion of gr 11 and 12 English Lang Arts</li> <li>any Math 11 (“B”)</li> </ul>
<b>Motorcycle Mechanic</b>	gr 12s + 1 <sup>st</sup> year after grad	≈ \$500	Semester 1 and 2 intakes 16 credits	BCIT (Burnaby)	<ul style="list-style-type: none"> <li>Completion of gr 11 and 12 English Lang Arts</li> <li>Recommended – Automotive 11</li> </ul>
<b>(commercial) Painter</b>	gr 11, 12s + 1 <sup>st</sup> year after grad	≈ \$0	Late June start and runs for 6 weeks 4 credits	Fin. Trades Inst. (Surrey)	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>English Lang Arts 12</li> </ul>
<b>Plumber</b>	gr 11, 12s + 1 <sup>st</sup> year after grad	≈ \$200	Late June start and runs for 6 weeks 4 credits	Piping Ind. College (Annacis Island)	<ul style="list-style-type: none"> <li>any Math 11 (“C+”)</li> <li>Work Experience 12 with a “plumbing” placement, or have previous plumbing experience</li> </ul>
<b>Refrigeration Mechanic</b>	gr 12s + 1 <sup>st</sup> year after grad	≈ \$700	Late Sept to mid-Feb 20 credits	JARTS (Port Kells, Surrey)	<ul style="list-style-type: none"> <li>Math Foundations 11 (“B”)</li> <li>Chemistry 11</li> <li>Physics 11</li> </ul>
<b>Sheet Metal Worker</b>	gr 12s + 1 <sup>st</sup> year after grad	≈ \$400	Semester 1 16 credits	BCIT (Burnaby)	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>any Math 11 (“C+”)</li> </ul>
<b>Welder</b>	gr 12s + 1 <sup>st</sup> year after grad	≈ \$800	Semester 2 28 credits	BCIT (Burnaby)	<ul style="list-style-type: none"> <li>Completion of gr 11 and 12 English Lang Arts</li> <li>any Math 11 (“C+”)</li> <li>Metal 11, and ideally 12</li> </ul>

## “Youth **WORK** in Trades” Program

The **WORK** program is a great way for students earn **high school credits**, get **paid** and obtain **certification hours**.

If you are presently working/ed in a trade or thinking about it, you can get more information by visiting [www.43Careers.com](http://www.43Careers.com) or calling **Joanna Horvath** at **604-312-7739**.

Course Name(s)	Program Details				
	Open to	Student Cost	High school Credits	Location of Program	Requirement
<b>Work 11a, 11b, 12a + 12b</b>	gr 10s, 11s, 12s + 1 <sup>st</sup> year after grad	\$0	For each 120 hrs worked as a paid tradesperson, plus online course work, = 4 credits, up to 16 credits	Working in the community as a paid employee in a trade	<ul style="list-style-type: none"> <li>you are presently working with a certified tradesperson</li> </ul>

## “Youth **EXPLORE** in Trades” Programs

Interested in a potential career in the trades but are not sure which one to take?

The **EXPLORE** program allows you to “test drive”, **tuition-free**, a variety of trades, earn some certifications and give you a better understating of which one you might want to **TRAIN** in after completing.

To get more information, call/text **Doug MacLean** at **604-341-8977**.

Trade Program	Program Details				
	Open to 1-2	Student Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
<b>Trades Sampler</b>	gr 11s, 12s + 1 <sup>st</sup> year after grad	≈ 300 + safety shoes and glasses	Semester 2 (early Feb to late April) 12 credits	BCIT (Burnaby mostly, but will visit their other 4-5 campuses)	<ul style="list-style-type: none"> <li>Completion of grade 11 requirements</li> <li>English Lang Arts 12</li> <li>any Math 11 (“C+”)</li> </ul>
<p><u>Students in the Feb 2018 class experienced 1-4 days in each of the following areas:</u></p> <ul style="list-style-type: none"> <li><b>TRADES</b> = Aerospace, Motorcycle Mech, Auto Collision, Auto Service Tech, Sheet Metal, Carpentry, Welding, Electrical, Machinist, Millwright + Ironworker</li> <li><b>TRAINING &amp; CERTIFICATIONS</b> = General Safety, WHMIS, OFA 1, Fall arrest/protection, Hilti, Fit Test, Lift Truck + Fire Protection</li> </ul>					





## COL 10-12 Program Offerings

online.sd43.bc.ca 604.936.4285  
1432 Brunette Avenue, Coquitlam

COL offers an extensive list of Secondary programming options, including:

Grade 10 Academic		Grade 11 Academic		Grade 12 Academic		Unique Electives	
Career Life Education 10	Online	Biology 11	Online	▲ B.C. First Peoples 12	Online	Accounting 11	CLOC
★ English Language Arts 10	Online	Chemistry 11	Online	Biology 12	Online	Child Development & Caregiving 12	CLOC
Math 10 Foundations & Pre-Calc.	Online	Earth Science 11	CLOC	Calculus 12	CLOC	Marketing 12	CLOC
Math 10 Apprenticeship	Online	★ English Language Arts 11	Online	Career Life Connections 12	Online	Tourism 12	CLOC
French 10	Online	French 11	Online	Chemistry 12	Online	Work Experience 12	Online
Planification 10	Online	Intro Japanese 11	Online	▲ Comparative Cultures 12	CLOC		
Physical Education 10	Online	Japanese 11	Online	Composition 12	CLOC	YELL – Entrepreneurship 12	Online
Science 10	Online	Intro Mandarin 11	Online	Creative Writing 12	Online	(YELL runs October to May, Apply via PPoka@sd43.bc.ca)	
Social Studies 10	Online	Mandarin 11	Online	English Studies 12	Online	Cheer Fitness 11	Online
		Intro Spanish 11	Online	French 12	Online	Cheer Leadership 12	Online
		Spanish 11	Online	Japanese 12	Online	(Apply via aimpellezzere@sd43.bc.ca)	
		Math 11 Apprenticeship	Online	▲ Law Studies 12	CLOC		
★ English Language Arts 10 (Choose two 2-credit courses: New Media, Focus Literary Studies, Composition, Creative Writing, and/or Spoken Language)		Math 11 Foundations	Online	Mandarin 12	Online	Youth TRAIN in Trades	
		Math 11 Pre-Calculus	Online	Math 12 Foundations	CLOC	Youth WORK in Trades	
★ English Language Arts 11 (choose one 4-credit course: New Media, Focus Literary Studies, Composition, Creative Writing, or Spoken Language)		Physics 11	CLOC	Math 12 Pre-Calculus	Online	(Formerly ACE IT and SSA, go to: 43Careers.com Train in 19 Trades Programs Tuition Free)	
		Science for Citizens 11	CLOC	▲ Physical Geography 12	CLOC		
			Online	Physics 12	CLOC		
				Spanish 12	Online		
				▲ 20 <sup>th</sup> Century World History	Online		

Questions about courses? See your counsellor or contact LLucking@sd43.bc.ca You can also visit online.sd43.bc.ca

<p><b>Learning environments:</b></p> <p>Online (Continuous Entry): Flexible pacing, communication is predominantly via online tools specific start/end dates, semester or full year, regularly scheduled face-to-face classes used for seminars, group discussion, labs, or extra support</p> <p>CLOC (Adult Learning Center): Continuous entry, includes both paper-based and online courses, learning support hours, only for students 17+ or with permission</p>	<p><b>COL is pleased to offer a range of learning supports including:</b></p> <ul style="list-style-type: none"> <li>• Support teacher in every SD43 secondary school</li> <li>• Write tests and get support right in your home school</li> <li>• Ongoing local drop-in support</li> <li>• Live teacher-led webinar sessions</li> <li>• Technical support from a certified Information Technologist</li> <li>• Extra testing and online support in the evenings</li> </ul>
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