

COURSE CALENDAR

2015 - 2016



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

- Terry Fox

Terry Fox Secondary School

Course Calendar 2015/2016

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 2800 Technology 10: General
 2850 Technology 10: Drafting & Design
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 Ace-It Automotive is through Centennial

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7800 ACE-IT Work Experienc12A
 7890 Work Experience Tech Ed.
 9556 Work Experience. – Business

*****Graduation Transitions Gr.12**

6002 Graduation Transitions

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.

ART 9 1000

This is a course where students explore a variety of art techniques and media. 2D and 3D projects, drawing with conte, charcoal, pastels, inks; painting with acrylic, water colours, collage and printmaking methods. Projects work with humour, ceremony, realism, and self-expression. Try it all. Be experimental.

MEDIA ARTS 9 1020

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.

ART 10: GENERAL 2000

In this survey 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 learn many. This course offers projects that can contribute to one's portfolio for the future.

Reach beyond the typical. Create what's never been before.

CERAMICS/SCULPTURE 9/10 1010

Students will use clay to learn hand building methods, carving/modeling, and how to use the potter's wheel and each project will also provide a different surface treatment technique, such as glazing, inking, and faux metal finish. 3D is fun and it's the ultimate hands-on!

MEDIA ARTS 10 2020

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 and vector art. Again, this is a course well suited to artistic students that prefer digital art to traditional methods.

ART FOUNDATIONS 11 3000

Art 11 is a general course, as well as an opportunity that allows students to begin to specialize in the medium of their choice. Personal image development will be encouraged but is not essential to those new to the program.

STUDIO ARTS: CERAMICS/SCULPTURE 11 3010

This combined ceramics and sculpture course offers students the skills and opportunity to explore different three-dimensional techniques. There will be an emphasis on ceramics. Students will learn how to hand build, throw on the wheel, and how to finish their work by glazing and firing. Students will also learn about historical and contemporary developments in sculpture and ceramics. Stone or wood carving, and plaster projects will complete the sculpture portion of this course.

MEDIA ARTS 11 (FILMMAKING) 3020

MEDIA ARTS 12 (FILMMAKING) 4020

One of our province's top areas of employment is the film industry. In this grade 11 and 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 pre-production, 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. You are encouraged to enter your work in one or more film festivals.

DRAWING & PAINTING 11 3030

The first half of the course will focus on intensive drawing, using a variety of materials including pencil, conte, charcoal, and oil and chalk pastels. Initially, students will draw from observation and the model; later they will be taught creative drawing techniques that really work. The last half of the course will focus on water colour and acrylic painting.

PRINTMAKING & GRAPHIC DESIGN 11 3050

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.

PHOTOGRAPHY 11 3051

Have fun learning to take pictures 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. Students will also learn to develop film, and make prints in the darkroom. Film cameras are available for student use. Digital SLRs also welcome.

ART FOUNDATIONS 12 4000

Art students will explore in depth the mediums of drawing, painting, printmaking and sculpture. Students will learn the elements and principles of design 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.

CERAMICS/SCULPTURE 12 4010

Strongly recommended: Ceramics / Sculpture 11

Students will be able to further their exploration in ceramics and sculpture. In final projects, students will be encouraged to develop a series of work reflecting their strengths, images based on their own experience and techniques of their choice.

ANIMATION 12 4025

Strongly Recommended: ICT: Digital Media Development 11, Computer Graphics Animation 11 (CGA 11), Media Arts 9, Media Arts 10, or previous Computer 3D Modeling Skills.

This course is for students who are interested in 3D animation. Students will learn to model, render, and animate with a 3D animation program, Animation Master. They will learn animation techniques and processes and apply traditional animation principles to a 3D environment. Working as a team, students will research ideas, develop a storyline, transfer their ideas to storyboards, create and animate models to produce a short animated movie. Students must be able to work individually and in a team environment.

DRAWING & PAINTING 12 4030

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 pursuing Post-Secondary admission will receive time and coaching to prepare their portfolios

PRINTMAKING & GRAPHIC DESIGN 12 4050

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 post-secondary art program.

PHOTOGRAPHY 12 4055

Strongly recommended: Photography 11

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 and advanced darkroom techniques. 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.

BUSINESS EDUCATION 9 1900

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.

COMPUTER KEYBOARDING AND OFFICE APPLICATIONS 9 (KB 9) 1920

Keyboarding and computer skills are a necessity in school and in nearly every field of employment. This course will teach you proper computer keyboarding technique and will give you experience and skills using Microsoft Office application programs such as Word, Excel and PowerPoint in a business setting. This course will enable you to increase your typing speed and accuracy which will save you hundreds of hours in the future. You will also gain expertise in preparing reports, business documents, emails, spreadsheets, reports and PowerPoint presentations. This course is recommended for all Grade 9 students to acquire skills for future courses and a lifetime of using technology.

PLANNING 10 7250

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. Making healthy lifestyle decisions will also be highlighted during discussions on sexual health, nutrition, and substance use. Personal financial planning will also be studied with an emphasis on budgeting and preparing for post-secondary life. In addition, student graduation portfolios will begin to be prepared. Several excellent guest speakers complement topic areas.

COMPUTER KEYBOARDING AND OFFICE APPLICATIONS 11

(Open to students in Grades 10, 11 or 12) 3920

Did you miss Computer Keyboarding 9? If so, it's not too late! Keyboarding and computer skills are a necessity in school and in nearly every field of employment. This course will teach you proper computer keyboarding technique and will give you experience and skills using Microsoft Office application programs such as Word, Excel and PowerPoint in a business setting. This course will enable you to increase your

typing speed and accuracy which will save you hundreds of hours in the future. You will also gain expertise in preparing reports, business documents, emails, spreadsheets, reports and PowerPoint presentations. This course is recommended for all students to acquire skills for future courses and a lifetime of using technology.

MARKETING 11

(Open to students in Grades 10, 11 or 12) 3910

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.

ACCOUNTING 11 3950

(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.

FINANCIAL ACCOUNTING 12 (FIN ACCT 12) 4957

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.

MARKETING 12 4910

Marketing 11 is highly recommended (Open to students in Grades 11 or 12) Marketing 12 is a continuation of Marketing 11 but also focuses on the Global Marketplace. With the advances in Internet technology and the reduction of trade barriers, domestic businesses have ventured into foreign countries to expand their market share.

In this course you will learn what it takes for a business to become a global player. The socio-political factors and cultural traditions of foreign countries are researched in order to develop key strategies. Buyer demands are different from country to country and marketing strategies must be designed to fulfill these demands. You will learn the functions of importing, exporting, licensing, globalization, adaptation and customization using a model of corporate global expansion.

It will allow you to broaden your knowledge of business within our country and overseas. Group projects and individual assignment will give you the opportunity to put your learning into action. Finally you will have the opportunity to research and design your own retail business and learn all the steps you will need to create a business plan for success.

ENTREPRENEURSHIP 12

(open to students in Grades 11 or 12) 4930

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!

ECONOMICS 12 4330

(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.

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 1070

Students are introduced to improvisation, drama, history and character study. Projects include monologue presentations, lip sync performances and scene memorization.

ACTING 10 2070

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.

ACTING 11 3070

Acting 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.

ACTING 12 4070

Acting 11 is highly recommended
Acting 12 is a continuation of Acting 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.

STAGECRAFT 11 3074

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.

STAGECRAFT 12 4074

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

DIRECTING AND SCRIPTWRITING 12 4071

Acting 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.

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.

ENGLISH HONOURS PROGRAM

The English Honours Program is an enriched course of studies which prepares students for English 12, AP English 12, Literature 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 9 1100

English 9 will provide students with a wide range of reading experiences. Students will study short stories, poetry, at least one novel, drama, essays, and the media. 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 HONOURS 9 1102

Hon. English 9 includes the goals of English 9 with emphasis on classical and Norse mythology, poetics, poetry and stories (especially with classical allusion; themes of alienation, hope, imagination, illusion, the quest, ritual, initiation, youth, earth). A Shakespearean play and a novel will be examined. Basic sentence syntax will be stressed. First essay format: narratives (paraphrases, summaries); basic exposition; basic literary writing.

ENGLISH 10 2100

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. This course has a compulsory graduation program exam worth 20% of the final grade.

ENGLISH HONOURS 10 2102

Hon. English 10 extends mythology and introduces philosophy and world religions. Other topics will include: Poetry and stories (thematically linked, focusing on religious considerations; themes of chance, the wanderer, transcendence, the good/evil dichotomy, hope, power, sacrifice, hell); a Shakespearean play; a novel; advanced sentence syntax; basic rhetoric; development of expository prose; the literary essay and argumentative writing. This course has a compulsory graduation program exam worth 20% of the final grade.

ENGLISH 11 3100

This literature-based course places emphasis on appreciation of literature and development of language and communication skills, with specific attention to the writing process and the need for increasing sophistication in students writing abilities. While students are presented with materials from a variety of genres, there is still a focus on fiction, drama, and poetry.

ENGLISH HONOURS 11 3102

Hon. English 11 focuses on the history of the English language and literature. Other topics will include: Poetry and stories (thematically linked, focusing on political considerations; themes of power, corruption, the hero, tragedy, chaos, social conscience), Rhetorical and analytical skills as well as advanced grammar topics, Development of the argumentative essay and the literary essay.

COMMUNICATIONS 11 3110

This course is designed for students who have experienced difficulty with regular English courses due to a low skill level in reading and writing. The course focuses

on practical reading and writing skills and leads to Communications 12.

ENGLISH 12 4100

In English 12 students will develop a critical vocabulary with which to respond to literature, both in writing and in discussion. The principal materials studied will be short stories, poetry, novels, essays, and plays. Students should leave this course with the ability to write an insightful and well-organized essay and use descriptive, narrative and persuasive techniques effectively. This course has a compulsory graduation program exam worth 40% of the final grade.

ENGLISH 12 HONOURS 4102

Honours English 12 is an advanced literature course that further explores some of the major themes in literature while covering the B.C. English Language Arts 12 curriculum. The course material will range from modern to classical. Students will refine their academic reading and writing skills, and will be able to read and analyze literature from different theoretical and world perspectives.

COMMUNICATIONS 12 4110

This is a practical course focusing on the use of English in everyday life. It is designed for students who would not be successful in the regular English courses. This course has a compulsory graduation program exam worth 40% of the final grade.

WRITING 12 4130

This class offers grade 11 and 12 students the opportunity to develop their diverse writing skills in fiction, non-fiction, poetry and experimental communication. Writing and event themes ranging from society, culture and interpersonal experiences will inspire student writing. Writing for a specific audience and myriad of sources will be included. Classes are presented in workshop format where inspiration, risk-taking and revision are promoted. Each student will produce a portfolio of work and contribute pieces to a polished anthology of writing.

ENGLISH AS AN ADDITIONAL LANGUAGE

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

EAL BEGINNERS (non-credit) 5000

For students whom 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.

EAL INTERMEDIATE/ ADVANCED (non-credit) 5010

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.

EAL CANADIAN STUDIES 10 (credit) 5101

Designed to introduce students to Canadian history and geography in preparation for SS 10 and/or 11 and acquaints students new to Canada with Canadian culture and customs. This course is suitable for students in gr. 10 - 12.

EAL COMPOSITION 11 (credit) 5201

Designed to expand and consolidate senior EAL students' writing and reading skills. This course is suitable for students gr. 9-12

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.

NOTE: Grade 11 courses are available to grade 10 students.

FOODS & NUTRITION 9 1740

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 an optional enhancement fee of \$30 applicable to this course.**

FOOD STUDIES 11 (WEX applicable) 3740

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 an optional enhancement fee of \$30 applicable to this course. \$25 Optional fee for Food Safe certificate.**

CULINARY ARTS INTERNATIONAL 11 (WEX applicable) 3741*Strongly Recommended: Foods & Nutrition 9/10 or Foods 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 \$30 applicable to this course.**

FOOD STUDIES 12 (WEX applicable) 4740*Strongly Recommended: Foods and Nutrition 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 an optional enhancement fee of \$30 applicable to this course.**

TEXTILE STUDIES 9 1720

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. **An optional enhancement \$30 fee will apply to those students who wish to create more than just the basic projects.**

TEXTILE STUDIES 10 2720

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. **An optional \$30 enhancement fee will apply to those students who wish to create more than just the basic projects.**

TEXTILE STUDIES 11 3720*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. **An optional \$30 enhancement fee will apply to those students who wish to create more than just the basic projects.**

TEXTILE STUDIES 12 (INTERMEDIATE/ADVANCED) 4720*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. **An optional \$30 enhancement fee will apply to those students who wish to create more than just the basic projects.**

TEXTILE ARTS AND CRAFTS 9 1730

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! **An optional \$40 enhancement fee will apply to those students who wish to create more than just the basic projects.**

TEXTILE ARTS AND CRAFTS 11 3725

Gift cards, baskets, bath salts and bombs, candles and the cutest scarecrows and bunnies are just a few of the exciting projects created in TAC 11. The projects incorporate such techniques as quilting, cross-stitching, stenciling, and decorative painting. Also taught will be the popular craft items seen in the market place. FUN is number one in this class along with enthusiasm and creativity. You will love the projects you will get to take home. Grade 10s are welcome to take this course. **An optional \$40 enhancement fee will apply to those students who wish to create more than just the basic projects.**

FAMILY STUDIES 11 (WEX applicable) 3710

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. Students will also produce and professionally bind their own personal scrapbooks.

FAMILY STUDIES 12 (WEX applicable) 4710

This course focuses on the development of interpersonal skills. The attention is on adult relationship issues with exploration of topics involving love, intimacy and marriage. Family planning issues and lifestyle choices will also be discussed. Students will work through various challenges that families face in today's diverse society.

CHILD DEVELOPMENT 11 (WEX applicable) 3715

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.

HUMAN SERVICES 12 (Previously called CHILD DEVELOPMENT 11/12) (WEX applicable) 4715

In this course you are the teacher! You will be given the opportunity to plan and lead activities for children in a local kindergarten setting. This course is very practical: you will have opportunities to paint, create crafts, tell stories, and write your own children's book. Re-experience childhood by spending time with young children.

FASHION MERCHANDISING 11 3745

This course is for students interested in creating fashionable items and learning about design basics. Projects include a wide variety of personal choice projects and coordinating accessories. Students will also learn about the principles of design, color theory, shapes, marketing trends, and upcycling. Students will be required to bring in supplies for this course. Course fee \$35

FASHION MERCHANDISING 12 4745

This course is for students interested in the Fashion and Apparel industry. Students will investigate why and how fashions are created. Students will explore the creation and marketing of fashion and apparel. The elements and principles of design will be used to understand the industry of fashion. Students will learn to sketch fashion ideas and bring their ideas to completion through pattern recreating and sewing. Students will be encouraged to use their imagination to recreate and upcycle fashions. Students will be required to bring in supplies for this course. Course fee \$35.

TOURISM 11 3750

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 and certification. Industry-recognized certificates include SuperHost Fundamentals and SuperHost - Serving Customers with Disabilities. Grade 10s are welcome to take this course. **There is a \$30 fee for students who wish to become certified in each of**

the 2 Super Host program offered in Tourism 11 (includes manual).

TOURISM 12 (WEX applicable) 4750

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. Industry recognized certificates for SuperHost Japan, SuperHost Across Cultures, The Service Solution Series and Serving It Right will be available to successful students. **There is a \$30 fee for students who wish to become certified in each of the 2 Super Host program offered in Tourism 12 (includes manual).**

TECHNOLOGY

Technology is playing an ever increasing role in our lives, learn how to embrace its full potential. In Information Technology courses students will not only experience a wide variety of software, but be able to develop their own multimedia rich applications. Skills learned in Information Technology courses can be applied to other subjects to create multimedia rich projects.

INFORMATION TECHNOLOGY 9 1950

Computers are being used in almost every career area. Information and Communication Technology 9 is a general introduction to the world of computers, which prepares students for the many different uses. This includes web design, use of the Internet and network, programming fundamentals, and areas of multimedia. Students can use the skills developed in ICT 9 to create multimedia rich projects in other subject areas. This course is taught in a modern computer lab and is open to all grade 9 students.

ICT: MODULAR SURVEY 11 3985

Computers are being use in almost every career area. Information and Communication Technology 11 is a general introduction to the world of

computers, and prepares students for their many different uses. This includes web design, use of the Internet and network, programming fundamentals, and areas of multimedia. This course can be taken in Grade 10 and applies towards graduation requirements as part of the new Technology graduation focus area. Modular Survey 11 is recommended for students who have not previously taken any computer courses. (ASK)

ICT: MODULAR SURVEY 12 4985

Strongly recommended: ICT: Modular Survey Course 11 or ICT: Digital Media Development 11

This course builds upon the topics learned in Information and Communication Technology 11. Students will be responsible for a major team project that they will design, develop, and implement. The project will demonstrate their advanced skills in either software development, hands-on networking (Windows and LINUX) or high-end multimedia software. By the end of this course students will have the knowledge necessary to start their future high-tech careers.

ICT: DIGITAL MEDIA DEVELOPMENT 11 3980

Strongly Recommended: IT 9, IT 11 or previous computer course recommended
Digital Media Development 11 provides a practical focus that encourages students to pursue the technical side of visual media development. Students will be able to create multimedia rich projects similar to what they see on the Internet. The topics are: Desktop Digital Video; 2D Graphic Design and Publishing; 2D/3D Design and Animation; Web Publishing. DMD 11 builds upon some of the skills learned in Information Technology 9 and ICT: Modular Survey Course 11. This course can be taken in grade 10 and applies towards graduation requirements.

ICT: DIGITAL MEDIA DEVELOPMENT 12 4980

Strongly recommended: Digital Media Development 11

Digital Media Development 12 builds on the topics learned in Digital Media Development 11. This course will look at advance techniques in: Desktop Digital

Video; 2D Graphic Design and Publishing; 2D/3D Design and Animation; Web Publishing. After completing this course, students will gain an understanding of careers in multimedia such as game design, web mastering, computer animation, and video effects.

ICT: COMPUTER PROGRAMMING 11
3975

Strongly Recommended: Math 10

This course is for students who like to pursue a career in computer programming or engineering. This course will prepare students for Computer Science 12 and/or post-secondary computer programming courses. We will be programming in a high level language such as JAVA, C++ or Visual Basic depending on our available resources. While creating simple programs students will learn effective problem solving skills and improve their ability to think logically. These programs will be modified and debugged by the student.

ICT: COMPUTER PROGRAMMING 12
4975

Strongly recommended: Math 11, Computer Programming 11

This course is for students who would like to pursue a career in computer programming or engineering in University or technical college. We will be programming in a high level language such as JAVA or C++ depending on our available resources. By the end of this two-year program (CP11 and CP 12) students will know how to program: data structures, classes, streams/files, arrays, structures, functions and, graphics.

YEARBOOK (DESKTOP PUBLISHING 11)
3960

Strongly Recommended: Info Tech 9/11, Photography, Art

"Good grades are one thing, but it turns out the real secret to success is a spot on the yearbook committee" Source: globeandmail.com D. Mcginn

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 years' 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.

YEARBOOK 12 **4960**

Strongly recommended: Yearbook 11 or Info Tech 9/11, Photography, Art
A recent study shows that students who participate in yearbook earn 11.8% more annually than their peers over their lifetimes. Source: Cleveland State University, Kosteas, Vasilios D. High School Clubs Participation and Earnings (March 22, 2010)

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

The focus in all of the French courses will be meeting the learning outcomes in the Integrated Resource Package (curriculum guide). These learning outcomes fall under the four categories of Communicating, Acquiring Information, Experiencing Creative Works, and Understanding Cultural Influences. In addition, all four-language skills, Listening, Speaking, Reading, Writing will be addressed in each course.

FRENCH 9 **1500**

Strongly Recommended: French 8
French 9 is a beginners' course. It builds on the work done in French 8 and encourages students' active participation in acquiring a basic functional level of French language. By the end of French 9,

students should be able to use appropriate French expressions for a variety of spoken and written tasks (sharing opinions, giving reasons, describing, asking for detailed information, etc.) and begin to clarify time in speech and writing. ***This course is not suitable for native French speakers. Students who have French Immersion or French as a First Language background will be required to take a placement exam.*

FRENCH 10 **2500**

Strongly Recommended: French 9

French 10 is an intermediate course that builds on the work done in French 9 and encourages students' active participation in increasing their functional level of the French language. By the end of French 10, students should be able to use a range a useful vocabulary and expressions for a variety of spoken and written tasks (communicating needs, desires, emotions, describing events or how to do something, etc.) and link statements in past, present and future in speech and writing.

FRENCH 11 **3500**

Strongly Recommended: French 10

By the end of French 11, students should be able to interact in French with growing confidence in familiar situations drawn from real life. They should be able to exchange opinions on topics of interest, describe or narrate with supporting detail, discuss plans, etc. At this level, students should be refining their linking of French statements in past, present and future in speech and writing.

FRENCH 12 **4500**

Strongly Recommended: French 11

This course provides students with an opportunity to develop a deeper understanding of and feeling for the idiom of the French language. By the end of French 12, students should be able to interact effectively and with some spontaneity in familiar situations drawn from real life. They should be able to give reasons and information to support points of view on various issues, and express plans, goals and intentions for the short and long term, etc.

INTRODUCTORY ITALIAN 11 **3531**

This accelerated course is an excellent choice for students who have not previously studied Italian, and who wish to enrich their language and culture experience. It is recommended that students be prepared to manage their time wisely throughout the semester in order to meet the demands of this intensive course. Good work habits will be required. Students will develop a proficiency in listening, reading, speaking and writing in Italian. (Gr. 10 students wishing to take the course require permission of the department)

MANDARIN CHINESE 9 1550

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 2550

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 and field trips.

BEGINNERS' MANDARIN CHINESE 11 3551

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 3550

Strongly Recommended: Mandarin Chinese 10 or Beginners' Mandarin Chinese 11
Students will be encouraged to use the Chinese language in practical situations that are common to business, government, professional and social interaction. In addition, fundamental geographic, economic and social issues and the customs of China will be discussed. (Grade 10 students wishing to take this course require the permission of the department.)

MANDARIN CHINESE 12 4550

Strongly recommended: Mandarin Chinese 11
Students will further develop the four skills of listening, speaking, reading, and writing. They will become aware of and sensitive to Chinese values and customs through the study of literature and the discussion of current events. Only available biannually.

SPANISH 9 1520

Spanish 9 is a first year course providing the student with a basis for further study in the language by developing each of the language skills: listening, speaking, reading, and writing. ***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 2520

Strongly Recommended: Spanish 9
Spanish 10 continues to build on the knowledge of the language and culture that students have acquired in the previous course by introducing more vocabulary and more complex grammar. The student achieves a higher level of proficiency in oral and written exercises.

BEGINNERS' SPANISH 11 3521

This is an accelerated course (Spanish 9 and half of Spanish 10 is covered) for students who have not previously studied

Spanish. It is recommended that students be prepared to manage their time wisely throughout the semester in order to meet the demands of this course. **If students have passed Spanish 9 they cannot take this course.** If students plan to go onto Spanish 11 after taking this course, it is strongly recommended that you achieve at least a C+. Students will develop a proficiency in listening, reading, speaking, and writing in Spanish.

SPANISH 11 3520

Strongly Recommended: Spanish 10 or Beginners' Spanish 11
This course expands on the basic vocabulary and expressions taught in previous course(s). Grammar, writing and conversational skills are emphasized. Students must be willing to devote time to the mastery of these essential skills. The culture and history of the Spanish-speaking world will be further explored.

SPANISH 12 4520

Strongly Recommended: Spanish 11
This course continues to expand on linguistic skills. 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.

LEADERSHIP

LEADERSHIP 9 5350

This course offers students 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 11 5400

LEADERSHIP 12 5450

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

Leadership 11/12 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 5475

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. A practical component of the course will be included. If you like to work with people in the field of athletics you will have FUN in this course.

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 strong Mathematical skills
- Develop self-confidence and enjoyment in the study of Mathematics

The Ministry of Education requires schools to implement a curriculum shift in Mathematics that allows more options for students. Beginning in September 2009 with Mathematics 9, and each year through to September 2012, new curriculum and teaching practices are being implemented across all SD43 secondary sites at every grade level. Students are asked to demonstrate conceptual understanding concretely, pictorially and symbolically using the mathematical processes of communicating, connecting, mental math and estimation, problem-solving, reasoning, technology and visualization. The graphic below illustrates Ministry of Education required course options that will be offered beginning with Apprenticeship and Workplace Mathematics 10 and Foundations of Mathematics and Pre-Calculus 10 in September 2010.

MATHEMATICS 9 1200

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 relations, geometry and statistics. At the end of this course, students will be prepared for Foundations of Mathematics and Pre-Calculus 10 OR Apprenticeship and Workplace Mathematics 10.

MATHEMATICS 9 HONOURS

1207

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 different assignments from students in a regular Math 9 class. The Honours assignments

will sometimes have fewer questions, and sometimes include either questions at a higher level 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.

ESSENTIALS OF MATHEMATICS 9

1220

This course is for students who have not met the passing requirements for Principles of Mathematics 8. The course emphasizes basic mathematical life skills.

APPRENTICESHIP & WORKPLACE

MATH 10

2220

This option is designed to provide students with the Mathematical understanding and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include understanding and applying the metric and imperial systems to the measurement of 2-D and 3-D objects, geometry and trigonometry, and the fundamentals of income, spending and debt. All topics are taught within a framework of problem-solving. This course has a mandatory graduation program exam. At the end of this course, students are prepared for Apprenticeship and Workplace 11. Students may also choose one of the other Mathematics 10 or 11 course options pending departmental consultation.

FOUNDATIONS OF MATHEMATICS & PRE-CALCULUS 10 2204

This option is designed to provide students with the Mathematical understanding and critical-thinking skills identified for post-secondary academic studies at colleges and universities. Topics include surface area and volume of 3-D objects, applying trigonometric ratios to right triangles, irrational numbers, powers involving integral and rational exponents, polynomials, and coordinate geometry with linear relations, systems of linear equations, and function notation. At the end of this course, students are prepared for either Foundations of Mathematics 11 OR Pre-Calculus 11.

FOUNDATIONS OF MATHEMATICS & PRE-CALCULUS 10 HONOURS 2207

Enrolment in Math 10 Honours is limited. Students will be selected for the Math 10 Honours program based upon an entrance exam and a recommendation from their Math 9 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 Foundations of Mathematics and Pre-Calculus 10 course but also includes a significant enrichment component. Honours students' marks will reflect their understanding of the prescribed learning outcomes for the Foundations of Mathematics and Pre-Calculus 10 and will write the provincial exam for this course at the end of the semester. Honours students will receive different assignments from students in a regular Math 10 class. The Honours assignments will sometimes have fewer questions, and sometimes include either questions at a higher level 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.

APPRENTICESHIP & WORKPLACE MATHEMATICS 11 3220

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. The course will include topics in Measurement, Geometry, Finance, Algebra and Statistics.

FOUNDATIONS OF MATHEMATICS 11 3200

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 Measurement,

Relations and Functions, Geometry, Statistics and Logical Reasoning.

PRE-CALCULUS 11 3240

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into postsecondary programs that require the study of theoretical calculus. This might include Mathematics, Sciences, Engineering and Commerce. The course will include Absolute Value, Radical and Rational Equations, Quadratic Functions, Arithmetic and Geometric Sequences and Series and Trigonometry.

FOUNDATIONS OF MATH 12 4200

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 include financial mathematics, logic with numbers, set theory, probability, combinatorics, relations and functions.

PRE-CALCULUS 12 4230

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. This might include Mathematics, Sciences Engineering and Commerce. Topics include trigonometry, relations and functions (exponential & logarithmic, polynomial, radical, rational, and transformations), and combinatorics.

CALCULUS 12 4240

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, analytic geometry, limits, derivatives, integrals and their application.

No government provincial examinations are offered in this course.

Pre-Calculus 12 / AP Calculus 12 (Linear) DOUBLE BLOCK**AP CALCULUS 12 5420**

Pre-Calculus 12 and AP Calculus 12 is a combined course that will cover all learning outcomes of Pre-Calculus 12, and in addition, will cover material equivalent to a first year university Calculus 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. This course will be taken in Semester 1, with additional tutorial sessions throughout Semester 2, leading up to the AP Exam in May. The main topics covered are: properties of functions, limits, derivatives, integrals, and applications of derivatives and integrals. It is strongly recommended that students complete Pre-Calculus 11 with an "A" or "B" standing.

CHESS 11 (YMATH 11A) 3230

Chess is a course designed to introduce students to the wonderful world of chess. This course will focus on the rules and etiquette of chess, how to read and record chess games, strategy, tactics, and opening, middle, and endgame theory. As well, the course will focus on the study of famous master games and daily in-class play and tournaments. Not only will the course take the student from beginner to intermediate level of play, but students will also benefit from the logical, critical, and analytical thinking chess provides- skills that can be transferred to all subject areas. **This course is open to grade 10, 11 and 12 students.**

CHESS 12 4231

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 and pattern recognition, opening and endgame theory and self-analysis of games will be developmentally incorporated. This course is designed to bridge a novice player to an intermediate player, providing the necessary skills and knowledge are maintained, a student can become a competent competitor 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.

PROGRAMMING NOTES

Students may choose to take more than one of these courses. It is important that students and their parents work with counselors and Math teachers to ensure courses selected will allow for the greatest success and meet both general entrance requirements and specific department requirements for post-secondary plans. It is the responsibility of the student to fully research university, college and technical school requirements.

MUSIC

The music department at Terry Fox firmly believes that participation in the arts is essential for the development of the whole person. At Terry Fox we offer students the opportunity to participate in a wide variety of music courses at every level of ability.

Besides the obvious enjoyment that comes from participating in music, there is a growing body of evidence leading to the conclusion that involvement in music leads students to greater success in other areas of learning. Through music, students:

- gain a sense of discipline, self-esteem, and pride of accomplishment
- are encouraged to be active participants in their work rather than just observers
- become better at problem solving. They will be self-critical and also learn to 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

Perhaps most importantly, it has been shown in several studies that there is an unmistakable causal 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 and jazz music when reviewing applications for entrance, scholarship, or bursaries.

CONCERT BAND COURSES

Concert band is perfect for anyone wanting to learn to play a woodwind, brass, string, or percussion instrument. The emphasis is on developing playing skills and musicianship. Students will perform in several concerts and festivals each year and will be able to participate in any scheduled tours or retreats. In past years, the band has travelled to Alberta, Washington, Idaho, Oregon, California, New York, Cuba, and within BC. All concert band courses are scheduled during the regular timetable. Beginner band students are welcome at all grade levels.

BAND 9: LINEAR 1080
For students in gr. 9. (FNA)

MUSIC 10: CONCERT BAND LINEAR 2080
For students in gr.10 (FNA)

INSTRUMENTAL MUSIC 11: BAND LINEAR 3080
For students in gr. 11 (FNA)

INSTRUMENTAL MUSIC 12: BAND LINEAR 4080
For students in gr. 12

CHOIR COURSES

Everyone who likes to sing is welcome to join the Concert 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, performance skills and music reading will be taught. The choirs will present several concerts each year and will have the opportunity to participate in any tours or retreats that the department undertakes.

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

CONCERT CHOIR 9 LINEAR 1090
For grade 9 students.

CONCERT CHOIR 10 LINEAR 2090
For grade 10 students.

CONCERT CHOIR 11 LINEAR 3090
For grade 11 students

CONCERT CHOIR 12 LINEAR 4090
For grade 12 students.

GUITAR COURSES

BEGINNING GUITAR 9 1082
BEGINNING GUITAR 10 2082

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.

NOTE: If you already read tab and play guitar at a fairly advanced level you MAY wish to enroll immediately in INTERMEDIATE GUITAR.

INSTRUMENTAL GUITAR 11 3082
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 GUITAR 12 4082
Students who have taken Rock School 9-12 and wish to continue to study advanced performance guitar skills are encouraged 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, hammerons, 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), Pacific Audio Visual institute (PAVI), Douglas College Music Technology Certificate Program.

ROCK SCHOOL 9 1081

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 are not yet performance ready

This course is designed to create a learning environment for beginner/intermediate musicians who wish to perform in a rock band format. 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: history 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.**

ROCK SCHOOL 10 2085

Students should have mastery 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 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 a rock band contemporary music ensemble. 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 a adapted grade.**

ROCK SCHOOL 11 3085

Students should have mastery 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 a professional rock band contemporary music ensemble. 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.**

ROCK SCHOOL 12 4085

Students should have mastery 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. 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.

RECORDING ARTS 9 (Beginner Level) 1086

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. Students will get hands on instruction in basic modern recording techniques, which are essential to the professional composer/recording artist. A CD featuring students' recordings will be produced at the end of each year.

RECORDING ARTS 10 2086

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. Students will get hands on instruction in multi-track recording techniques, which are essential to the professional composer/recording artist. A CD featuring students' recordings will be produced at the end of each year. 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. (FNA)

RECORDING ARTS 11 3086

Students should have some beginner music skills, but it is not absolutely necessary. All students are encouraged to join. This is an advanced course designed

for students who want to extend the previous level skills

RECORDING ARTS 12 4086

Students should have some beginner music skills, but it is not absolutely necessary...All students are encouraged to join. This is the advanced course designed for students who want to extend the previous level skills.

MUSIC COMPOSITION and TECHNOLOGY 11 3095

This course provides instruction on how to compose original songs in a group environment while using music composition software and a variety of instruments. Students will receive instruction on how to 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. This course is blended with Rock School 11.

MUSIC COMPOSITION and TECHNOLOGY 12 4095

An extension of Music Composition and Technology 11, this course builds on increasingly complex and refined original 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. This course is blended with Rock School 12.

PHYSICAL EDUCATION

PHYSICAL EDUCATION 9 GIRLS 1620 PHYSICAL EDUCATION 9 BOYS 1610

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, wrestling, minor games, basketball, dance, ultimate Frisbee, badminton, ball hockey, table tennis and softball.

PHYSICAL EDUCATION 10 GIRLS 2620 PHYSICAL EDUCATION 10 BOYS 2610

This course is a continuation of the PE 9 course but more advanced skills and game strategies will be taught. In addition to the PE 9 curriculum there may also be the opportunity for instruction in rugby, tennis, and CPR certification.

PHYSICAL EDUCATION 11 Co-Ed 3600

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

PHYSICAL EDUCATION 12 Co-Ed 4600

Strongly Recommended: Physical Education 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 11 (AEROBICS) 3631

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 have the option to 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. **Note:** Fitness Knowledge Certification is optional. \$30 Course Enhancement Fee funds fitness activities.

FITNESS 12 (AEROBICS) 4631

Strongly Recommended: Fitness 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. \$30 Course Enhancement Fee funds fitness activities.

Boys BASKETBALL FITNESS 11 3640

Girls BASKETBALL FITNESS 11 3641

Boys BASKETBALL FITNESS 12 4640

Girls BASKETBALL FITNESS 12 4641

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 1415

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 2650

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 11 (WEIGHT TRAINING) 3650

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 12 (WEIGHT TRAINING) 4650

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.

FOOTBALL FITNESS 11 (AGILITY TRAINING) 3635

FOOTBALL FITNESS 12 (AGILITY TRAINING) 4635
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.

HOCKEY ACADEMY 9 1679

HOCKEY ACADEMY 10 2679

HOCKEY ACADEMY 11 3679

HOCKEY ACADEMY 12 4679

Terry Fox Hockey Academy is an elective course for students male and female, who wish to improve their hockey skills. Hockey ability is not a concern as the focus is on individual improvement. All aspects of hockey are covered throughout the semester.

There is on ice instruction three times a week and off ice fitness training twice a week. Specific tactical components of the game are covered both in the classroom and on the ice surface. Ice times are 7:15 am. at the Port Coquitlam Rec. Centre and dry land training is 7 :30am.@ Terry Fox.

SCIENCE

SCIENCE 9 1400

This course has three major units: Life Science – reproduction from cellular to organism level
Physical Science – electricity and power (Physics) and chemical compounds, and periodic table and reactions (Chemistry)
Earth & Space Science – studying universe and solar system, earth-moon system. The course will utilize a variety of learning strategies such as laboratory work, projects and small group work.

SCIENCE 10 2400

The course has three major units: Life Science – sustainable ecosystems; Physical Science: Chemistry – chemical reactions and radioactivity; Physics – Kinematics (motion and forces); Earth Science – energy transfer and geologic processes. The course will utilize a variety of learning strategies such as laboratory work, projects and small group work. This course has a mandatory graduation program exam worth 20% of the final mark.

SCIENCE 10 HONOURS 2305

Science 10H covers the same curriculum as the regular Science 10 course but with enhancements including increased pace and rigor and a higher level of understanding of the concepts. The course is meant for academically strong students who are interested in taking several additional grade 11 and 12 science courses. 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. This course has a mandatory graduation program exam worth 20% of the final mark.

BIOLOGY 11 3410

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. Laboratory work is emphasized in this course.

BIOLOGY 12 4410

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 Biology 12.

CHEMISTRY 11 **3420**

Chemistry 11 is a lab-oriented course that will introduce students to scientific methods of experimentation. The topics include: study of atoms, molecules, matter, chemical reactions, solution chemistry and organic chemistry. A strong background in Mathematics would be beneficial in this course.

AP CHEMISTRY **3422**

Chemistry AP is designed to be the equivalent of a first year general chemistry course. The topics covered are supplemental to the content covered in Chemistry 11 and 12. Additional topics include nuclear chemistry and thermodynamics. This is a lab oriented course that will introduce students to scientific methods of experimentation. A strong background in mathematics is recommended. Chemistry 11 and 12 are strongly recommended.

CHEMISTRY 12 **4420**

Chemistry 12 builds on concepts covered in Chemistry 11 and emphasizes the interaction of atoms, molecules, and ions. The course covers the study of Reaction Kinetics, Chemical Equilibrium, and Oxidation-Reduction. The concepts are reinforced through laboratory work. Through this investigation, students will gain an increased understanding of the importance of chemistry in the modern world.. It is **strongly recommended** that students finish Chem 11 with a minimum 68% before selecting Chem 12.

EARTH SCIENCE 11 **3450**

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,

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.

ASTRONOMY 11 **3460**

Astronomy is a branch of physics. About 10% of the course has a math component in which we solve three variable equations, unit conversions, metric system and trigonometry problems. About 90% of the course involves studying the characteristics of a large number of celestial objects, methods of space travel, stellar motion, biographies of astronomers and the history of the NASA space program. There is no final exam in this course. This course **does not** provide a **Science 11 credit** towards graduation but does count as an elective.

GEOLOGY 12 **4450**

This course is organized through the following units – Earth Materials, Surficial Processes, Time and the Fossil Record, Internal Processes and Structures, Resources and Comparative Planetology. It is a systematic and integrated study of the dynamic Earth through both theory and practice with both a local B.C. and extended world perspective. The course has a significant hands-on component aimed at developing both the knowledge and the various skills of science pertaining to the Earth.

PHYSICS 11 **3430**

In Physics 11 students develop and use mathematics tools and experimentation to study the nature of motion and the forces 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 light, waves, relativity, time and nuclear physics.

PHYSICS 12 **4430**

Physics 12 is designed to provide students with grounding in the discipline of physics. The treatment of the core topics is more rigorous mathematically than in Physics 11. As well, there is a greater emphasis on the use of logical, analytical inquiry

when dealing with the subject matter. Because of this detailed treatment, the range of topics is limited to two general areas – mechanics and electromagnetism, as follows: vector math, motion in two dimensions, universal gravitation, charges and currents, electro-magnetism, and atomic physics.

SCIENCE & TECHNOLOGY 11 **3480**

This course allows the students to explore science and its application through technology. Students will study the following topics through a “hands-on” approach: Human Biology, Genetics, Forensic Science, Energy Resources and Computers Technology. Students will discover that technology opens up debates about our moral and ethical responsibilities, and students will pursue these issues and use the knowledge gained to consider decisions for future. Lastly, students will be presented with challenges and using their own problem-solving skills, will have to rise to meet the challenges.

SPORT SCIENCE 11 **3490**

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

<i>Physics 11</i>	3431
<i>Chemistry 11</i>	3426
<i>Independent Studies</i>	7905
<i>Work Experience</i>	7815

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. Students need a minimum letter grade of C+ in Science 10 in order to apply and to have demonstrated good work habits. In grade 11, students take their science and work experience courses together as a group in Semester II, so that when they do their 3-week work experience they do not miss regular class time. The grade 12 year is scheduled with the normal flexibility.

Semester 1 - Grade 11

- English 11 - 4 credits
- Social Studies 11 - 4 credits
- Math 11 - 4 credits
- Language or Biology 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

SOCIAL STUDIES 9 1300

Students will study the development of Canada from pre-contact First Nations peoples, to the history of early contact between Europeans and natives. They will also study some European history, especially the concept of revolution as illustrated through the English Civil War and the French and Industrial Revolutions. Other topics include the geography of North America and some mapping.

SOCIAL STUDIES 9 HONOURS 1302

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.

SOCIAL STUDIES 10 2300

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.

SOCIAL STUDIES 10 HONOURS 2302

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.

SOCIAL STUDIES 11 3300

SOCIAL STUDIES 11a(adapted) 3310

This course focuses on the development of citizenship skills and the preparation of students to take part in Canadian democracy. In history, they will learn about 20th Century Canada in relation to world affairs, such as the World Wars, the depression, our place in the United Nations, etc. They will also study

government, law, geography and the environment. The students will begin to develop an understanding about Canadian political and social issues. This course has a mandatory graduation program exam worth 20% of the final grade.

SOCIAL STUDIES 11 HONOURS

3302

Students in this mature cohort will cover the same learning outcomes as SS11 (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.

CIVICS 11

3305

This course is open to all students in grade 11 or 12. The course goals are to enhance students' abilities and willingness to participate in civic life. Civics 11 examines in detail the system of government in Canada and the citizens' participation and relationship with it. Areas that will be covered include democratic decision-making, political parties in Canada, political ideologies, the Constitution, the Charter of Rights and Freedoms, citizenship in the global community, beliefs and values, and current events. This course has a mandatory graduation program exam worth 20% of the final grade. This course is recognized as a Social Studies 11 credit.

HISTORY 12

4350

Strongly Recommended: Social Studies 11 (a "B" standing or better is strongly recommended)History 12 is an in-depth study of major 20th century world affairs from 1919-1991. The course content begins with the Paris Peace Conference and the immediate post-World War I world and ends with the Gulf War and the decline of Communism in Eastern Europe in

the early 90's. 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. History 12 is a challenging, interesting and important course with an emphasis on critical thinking, communication skills (written and oral) and citizenship.

COMPARATIVE CIVILIZATION 12 **4320**

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. There is no mandatory graduation exam with this course.

GEOGRAPHY 12 **4340**

Strongly Recommended: Social Studies 11 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.

B.C. FIRST NATIONS 12 **4310**

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. It is important to note that ALL students enrolled in this course are REQUIRED to write a mandatory graduation program exam worth 20% of the final grade.

LAW 12 **4360**

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 **4375**

This elective course is open to all students in grade 11 and 12. It will focus on social justice issues. There are three main focus areas: Defining Social Justice, Recognizing and Overcoming Social Justice, and Creating a Socially Just World. The aim of the course is to increase the understanding of communication between and among people from different racial, ethnic, ability, religious, cultural, gender, sexual orientation and socio-economic class backgrounds.

PSYCHOLOGY 12 **4370**

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.

AP PSYCHOLOGY 12 (Advanced Placement) **4371**

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 5501

PEER TUTORING 12 5551

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. 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 Automotive

Service Technician and Carpentry-Joinery as well as the Automotive Service Technician Level 1 (Ace-It) Program.

APPLIED TECHNOLOGY

TECHNOLOGY 9 1800

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. **This course forms the foundation to further pursue courses in the Trades & Technology Department.**

TECHNOLOGY 10: ELECTRONICS

2810

This course will provide students with an introduction to electronics. Students will use a variety of electrical equipment to build a number of interesting electrical projects. Course emphasis will be divided between basic electrical theory and hands-on project work.

TECHNOLOGY 10: GENERAL 2800

Building on the concepts covered in Applied Technology 9, this course will allow students to discover manufacturing processes and methods of problem solving while working through hands-on activities. The areas of design, metalwork, plastics, woodwork projects. This course will prepare students for future Technology 11 courses.

DRAFTING & DESIGN

TECHNOLOGY 10: DRAFTING & DESIGN 2850

This course is designed for students interested in drafting careers such as; engineering, interior design, industrial design, architecture, carpentry, steel fabrication, cabinet making, electrician, plumbing, heating or any one of the numerous other professions which demand knowledge of drafting. 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 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 & DESIGN 11 3850

Strongly Recommended: Drafting and Design 10

This course is designed for students interested in exploring careers such as drafting, engineering, interior design, industrial design, architecture, carpenter, steel fabricator, cabinet maker, electrician, plumbing, heating or any one of the numerous other professions, which demand knowledge of drafting. 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. 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 & DESIGN 12 4850

Strongly Recommended: Drafting & Design 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.

DRAFTING & DESIGN 12: ARCHITECTURAL & HABITAT DESIGN 4852

Strongly Recommended: Drafting and Design 12 (Concurrent enrolment is permissible)

This course will allow students to advance their existing drawing skills and an opportunity to design house plans and elevations. Sketches of buildings and floor plans will be converted to computer drawings using Autocad, 3D Studio VIZ, and Home Architect. Students interested in interior design or house construction will be able to layout concepts in 2D and 3D drawings.

**DRAFTING & DESIGN 12:
ENGINEERING & MECHANICAL
DRAFTING 4853**

Strongly Recommended: Drafting and Design 12 (Concurrent enrolment is permissible)

This course will provide experienced students time to explore engineering topics of their choice. They will use a variety of software and drawing techniques to show details of mechanical drawings. Computer generated walk-throughs and 3D models will enhance their selected topics. Major software and CNC machining will provide the engineering/ lab component.

**DRAFTING AND DESIGN 12:
TECHNICAL VISUALIZATION
4854**

Strongly Recommended: Minimum of Drafting & Design 12 (Concurrent enrolment with Instructor permission) – Strong Recommendation that students enroll in Architectural & Habitat Design or Engineering & Mechanical Drafting (Concurrent enrolment is permissible)

Technical Visualization typically utilizes computer-generated models, animation and rendering to provide learning opportunities for students to perceive, respond to, and create still or moving images of a technical nature, using technical knowledge, skills, and tools. It is a means to study a design and/or tell a story, not a technical exercise in using computers. This specialized course allows the student to develop the personal attributes and skills to explore possible career paths in technical visualization, animation, or industrial design in the context of Drafting and Design. Since the curriculum is offered in a hands-on environment, students will produce samples of their work, which will serve as

portfolio examples while they explore career opportunities.

TRADES DISCOVERY 11 4867

The intent of the course is for students to explore the skills and knowledge of Carpentry, Electrical and Plumbing plus one other trade area. This will help students choose one of the ACE-IT programs in the future or help them transition to one of the Trade Programs offered at Post Secondary once they have graduated. This course can be taken in grade 10 or grade 11 only.

WOOD TECHNOLOGY

**TECHNOLOGY EDUCATION 10:
WOODWORK 2860**

This course provides an opportunity for students to work creatively with a variety of woods. Safety will be taught through the use of hand and simple power tools. Students will use band saws, table saws, and routers to explore ways that wood can be laminated and shaped into esthetically pleasing and functional projects (e.g. jewelry box, Heritage Stool, and skateboard decks).

CARPENTRY & JOINERY 11 3860

Strongly Recommended: Wood 10

This course is an introductory woodwork course offering approximately 110 hours in building personal, practical projects. It involves the use of machines, portable electric tools and finishing equipment. Projects such as oak coffee tables, stereo stands, entertainment centers, desks and speakers are some of the choices available. Students are expected to pay for the project material.

CARPENTRY & JOINERY 12 4860

Strongly Recommended: Carpentry and Joinery 11

This course is structured to provide advanced use of woodwork machines and procedures. Special skills and set-ups will be used in the production of projects for personal use. Payment for project materials is required.

**CARPENTRY & JOINERY 12: CABINET
CONSTRUCTION 4865**

Strongly Recommended: Carpentry and Joinery 12

This course is structured to study and practice cabinetry and millwork procedures. The study of the design and construction of fine furniture will be emphasized. Projects including oak chests, entertainment units, grandmother clocks, classic oak desks, ocean kayaks and other personal projects will be considered. Mass production techniques will also be included where applicable. Students are expected to pay for much of the material they use.

**CARPENTRY & JOINERY 12:
RESIDENTIAL CONSTRUCTION
4862**

Strongly Recommended: Carpentry and Joinery 12

This course is designed to study the construction industry, particularly house construction. Construction materials and machine operations (including the use of portable tools) are included. Practical experience in framing, layout and construction is part of the course program. Some time for personal projects may be available.

METALWORK

**METAL FABRICATION & MACHINING
12 (ART METAL & JEWELRY) 4815**

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.

**METAL FABRICATION & MACHINING
11 3830**

**METAL FABRICATION & MACHINING
12 4812**

This grade 11 and 12 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.

METAL FABRICATION & MACHINING 12: ADVANCED FABRICATION 4831

Strongly Recommended: Metal Fabrication & Machining 12

This course will use a variety of welding and machine tool operations involving higher skill level and technique. Students work in a more independent role completing their projects, including design, material selection, cost estimation, time allocation and the building of advanced projects.

METAL FABRICATION & MACHINING 12: ADVANCED WELDING 4816

Strongly Recommended: Metal Fabrication & Machining 12

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.

AUTOMOTIVE TECHNOLOGY

TECHNOLOGY EDUCATION 10: MECHANICS 2840

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 (B/G) 3821

This course is designed to provide the future owner/driver with a basic working knowledge of the mechanical functions of the modern automobile. 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. It is not intended as a Strongly Recommended for subsequent Automotive Systems courses.

AUTOMOTIVE TECHNOLOGY 11 3820

Strongly Recommended: Mechanics 10
This course is designed as an introduction to the basic repair and maintenance procedures of the modern automobile. 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 4820

Strongly Recommended: Automotive Technology 11
Building on Automotive Technology 11, this course will explore the theory and operation of advanced automotive systems. 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.

ACE-IT CARPENTRY LEVEL 1 – TERRY FOX SECONDARY PROGRAM

ACE -IT CARPENTRY 12A	4863
ACE- IT CARPENTRY 12B	4864
ACE- IT CARPENTRY 12C	4866
ACE -IT ELECTRICITY & ELECTRONICS	4823

This post-secondary program is part of the Industry Training Authority ACE-IT 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 30th 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. Grade 11 students who wish to attend an American Universities or Colleges should take the P.S.A.T. examination available in October

LANGUAGE PROFICIENCY INDEX (LPI)

Most BC colleges and universities require students to take an English placement exam.

Visit ubc.ca for further information.

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
- Simon Fraser University
SFU (Burnaby, Surrey, Vancouver)
sfu.ca
- University of Victoria
uvic.ca
- University of Northern BC
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
capilano.ca
- Kwantlen Polytechnic University
kwantlen.ca
- Thompson Rivers University
tru.ca
- University of the Fraser Valley
ufv.ca
- Vancouver Island University
viu.ca

Emily Carr University of Art & Design
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

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

Douglas College 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 and Vancouver Community College 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.

For other post-secondary options in BC: educationplanner.ca.

APPLICATION TO POST SECONDARY INSTITUTIONS in BC & Canada

BC Post-Secondary Application Service:

applybc.ca

Alberta College & University Application Service:

applyalberta.ca/pub/

Ontario University Application Centre:

ouac.on.ca/105

Ontario College Application Service:

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

Once you have applied to the post-secondary institution you are considering attending, 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

BC Transfer Guide: www.bctransferguide.ca

The Association of Universities & Colleges of Canada:

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

Registration Information:

Country code: 651

High school code: 821273

SCHOLARSHIP WEB SITES

Entrance Scholarships & Awards

UBC Okanagan/Vancouver:

<https://you.ubc.ca/tuition-scholarships/>

SFU:

sfu.ca/students/futurestudents/everything-else.html

UVIC:

uvic.ca/registrar/safa/scholarships/

Douglas College:

douglas.bc.ca/calendar/general-information/financial-aid.html

BCIT:

bcit.ca/finaid/

External Scholarships

Canadian Scholarships

scholarshipscanada.com

studentawards.com

studentscholarships.org

BC Government Scholarships & Awards:

bced.gov.bc.ca/awards/

Financial Aid

BC/Canada Student Loan Application:

studentaidbc.ca

Government of Canada Financial Aid:

canlearn.ca

WORK EXPERIENCE PROGRAMS

After completing Planning 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
Business/Applied Business	Business Education	2 Senior level courses from Business Education Dept.	Accounting, Advertising, Sales, Office, Computers, Management	Certificates, Diplomas, Degrees (BBA, BCOMM etc.)
Fine Arts, Design & Media	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
Fitness and Recreation Careers	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.)
Health and Human Services	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)
Science And Applied Science	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)
Tourism Hospitality and Foods	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 21st 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

School District 43 (Coquitlam), in cooperation with the local office of the Ministry of Skills, Training and Labour, offer Secondary Schools Apprenticeship Programs. These programs can provide students with paid, on-the-job training, school-based skills instruction, links to the workplace and access to meaningful careers at an early age. Presently, the average age of an apprentice in B.C. is 27 years, and there is a shortage of qualified trades persons in the province and across Canada. These programs provide a ladder entrance to structured apprenticeship training that leads to Journey person certification and well-paid employment.

Secondary School Apprenticeship Programs differ from traditional apprenticeship programs in several ways:

- Student apprentices must be attending secondary school (grade 11 & 12) and are expected to complete graduation requirements.
- Student apprentices must complete 480 hours of paid, trade related work in part-time/summer jobs prior to high school graduation.
- The employer must be acceptable and willing to sponsor a student apprentice.
- As an incentive for employer participation, secondary school apprentices may be paid minimum wage rather than fifty percent of regular apprenticeship program.

The District plan provides for each of the secondary schools to offer the Secondary School Apprenticeship Program.
School District No. 43 Coquitlam