

## **ACCOUNTING 11**

**BE510** Grade Level 11 Credits 4.000

*RECOMMENDATION*-Known as the "language of business", accounting will teach the student the basics of how money works from initial transaction to closing the books at year end. Planning on entering tourism, the hotel/restaurant industry, marketing, management or any other business option at college or university? Accounting is a requirement for a small business. Student workbooks used in class may be purchased. *COURSE CONTENT*-Basic accounting equation, Recording business transactions, Financial statements, Accounts Receivable, Accounts Payable, General Journals, General Ledger, Current accounting and business terminology. Students use Simply Accounting 6 or Windows. *ASSIGNMENTS/ACTIVITIES*-Using journals and ledgers, general and specialized, Preparing statements-balance Sheets and Income Statements, Keeping the books for small business (simulation), Entering data into the computer for recording and statement preparation. Completing Personal Tax Manually and Electronically.

## **ACTIVE LIVING 11- PHYSICAL EDUCATION**

**PE500** Grade Level 11 Credits 4.000

*Building on the knowledge, skills, concepts and activities of PHE 10, Active 11 focuses on finding activities that students can incorporate into their daily lives and fostering an appreciation for living an active and healthy lifestyle. Students will participate in a variety of activities and games; have the opportunity for community and school based field trips as well as support and encourage others in living a balanced and healthy lifestyle.*

## **ART STUDIO 11- ART FOUNDATION**

**AR500** Grade Level 11 Credits 4.000

*Only to be taken by course teacher approval. This course is for students who are serious about art and can work independently on projects and assignments of choice towards creating a portfolio of work. It provides opportunities to explore a variety of art making experiences and art influences in order to expand student's ability, while still developing their specific strengths. It is an individualized program for the serious art student wishing to keep creating after high school. This course can only to be taken with permission from course teacher.*

## **AUTOMOTIVE TECHNOLOGY 11**

**IE540** Grade Level 11 Credits 4.000

*PREREQUISITE: None! RECOMMENDATION: Are you going to drive a car? Have you ever wondered what makes your car go or how to take care of it? Then this is the course for you! This course is for those who intend to operate cars, gain knowledge/experience and potentially save you money! Students will explore the basic parts of a car and get an appreciation of the need for regular preventative maintenance. This introductory course is a first step towards senior level Automotove studies. COURSE CONTENT: Areas covered include safe vehicle lifting, tire rotation, oil change/lube, cooling system care, brake inspections, tire changing/balancing, as well as an introduction to minor autobody repair. ASSIGNMENTS/ACTIVITIES: 50% Theory/50% Practical Theory happens during demonstrations then reinforced in the moment to aid students practicing for a particular practical exam. Open shop is held periodically after school to help students catch up, explore new areas or work on one of our unique and exciting drag racing vehicles!*

## **CHEMISTRY 11**

**SC520** Grade Level 11 Credits 4.000

*Chemistry 11 explores the world of science on an atomic level and is designed to build students knowledge of core chemistry concepts. The course introduces quantitative chemistry and focuses on the developments that led to the mole concept and its*

applications in stoichiometry. These ideas are then applied to the chemistry of solutions and finishes with organic chemistry introducing the basic structure and nomenclature of hydrocarbons and the main functional groups. Students taking this course should have a strong background in mathematics. Assessment will be based on assignments, lab reports, quizzes and tests. Chemistry 11 provides a solid foundation for students carrying on to Chemistry 12.

### **CHORAL MUSIC 11- CHOIR**

**MU520** Grade Level 11 Credits 4.000

*(after school)*

This course is designed for all students interested in developing their singing voice. Previous choral experience is helpful, but not required. Students will learn choral singing skills and basic music theory. They will learn to sing in a variety of genres such as: jazz, pop, folk, classical, musical theatre, etc. Students will be evaluated in the areas of performance, participation and musical proficiency (technique, style, etc.) Because the choir is performance-oriented, students are given the opportunity to perform in school concerts as well as to travel both locally and abroad to enrich their choral experience. There is no prerequisite course. THIS COURSE WILL BE OFFERED AFTER SCHOOL 2 DAYS PER WEEK. (CHORAL MUSIC 10&11) STUDENTS SHOULD SELECT THIS COURSE IN ADDITION TO THEIR EIGHT COURSES.

### **COMPOSITION & LIT STUDIES 11- ENGLISH**

**EN500** Grade Level 11 Credits 4.000

Speaking, listening, reading, writing and critical thinking skills continue to be the foundational pillars of this course; with the New Curriculum, First Peoples' literature and issues will also be studied. Students will read, view and listen to, and respond in writing and orally to, short fiction, novels, poetry, essays and drama. Students will also complete an Independent Inquiry Project based upon a foundational text (of their choosing) and one of the five options outlined in the New Curriculum.

### **COMPOSITION & PRODUCTION 11**

**MU531** Grade Level 11 Credits 4.000

*Recording Studio*

This is a course for students wanting to learn how to create and record original songs and cover arrangements. Students must be at an advanced level on the guitar, piano, or as a vocalist. All students should be comfortable singing. This class will be taught as part of a normally scheduled guitar 11 class. Students must be able to work well independently and be very responsible. Due to limited space in the recording studio, there will be a limit of 4 students per block. Instructor approval and/or auditions are required to take this course. Please discuss this course option with Mr. Dobrovolny before enrolling.

### **COMPUTER INFORMATION SYSTEMS 11**

**DM570** Grade Level 11 Credits 4.000

This course is for students interested in learning about computer hardware and software systems, and their maintenance and repair. The completion of this course will prepare students for A+ professional certification, essential for work in the computer sector. This is a web-based course with practical hands-on labs. Students should be self-motivated and able to work independently. Credit will be given for Cisco IT Essentials 1 (which can count for credit at some post-secondary institutions) as well as DM 570.

### **CULINARY ARTS 11- BAKING & PASTRIES**

**HE570** Grade Level 11 Credits 4.000

*Baking and Pastry Art focuses on professional preparation and presentation of baked*

*products and pastry items. Students learn and develop skills for the baking industry. Students progress through yeast doughs, quick breads, pies, tarts, cakes, cupcakes, cookies, custards, frostings, syrups and sauces, using a hands-on approach. Baking and Pastry Art students take pride in creating delicious, high quality and attractive food items for the school's "Pacers' Bistro", as well as occasional banquets. The recipes, equipment and pace of the program are representative of a professional kitchen. Theory and the B.C. FoodSafe course are taught through short lectures in the classroom. In addition, learning is achieved through exciting and dynamic culinary fieldtrips. Many scholarship opportunities and awards are available to outstanding Baking and Pastry Art students.*

**CULINARY ARTS 11- CAFETERIA TRAINING** **HE560** Grade Level 11 Credits 4.000

*Culinary Arts program focuses on professional food preparation. Students learn and develop skills for the culinary industry. Culinary Art students take pride in creating delicious, nutritious and attractive food items for the schools "Pacer's Bistro" as well as occasional banquets. The recipes, equipment and pace of the program are representative of a professional kitchen. Students progress through baking, sandwiches, salads, soups, sauces and hot foods, as well as customer service and sanitation using a hands-on approach. Theory and the BC FoodSafe Certification Course are also taught through short lectures in the classroom. In addition, learning is achieved through exciting and dynamic culinary field trips. Many scholarship opportunities and awards are available to outstanding Culinary Art students. Students also develop an awareness of the need for constant attention to safety and hygiene within public food service operations.*

**DIGITAL DESIGN MAKERSPACE 11** **DM530** Grade Level 11 Credits 4.000

*A Makerspace is a workspace where creative students come together to dream, invent, build and share their ideas. It is a combination of a computer lab, woodshop, laboratory, electronics shop and art studio. Students will have access to 3D printers, laser cutters, Arduino and Raspberry Pi kits, Lego Mindstorm robotics, just to start. Students are encouraged to discover and follow their passions, invent new creations and solve real world problems with innovative thinking.*

**DRAFTING 11** **IE520** Grade Level 11 Credits 4.000

*RECOMMENDATION-Students taking any technical or industrial education course or those interested in engineering, design and manufacturing. This course will support the reading or drawing of plans used in such diverse areas as wood and metal construction, mechanics, electronics, graphics and textiles.*

*COURSE CONTENT-This is an introductory course for students who have little or no experience with manual drafting or CAD (Computer Assisted Drafting), 2D and 3D design - but have a desire to learn. Using 3D software - design and model an object on computer - then print the model on our 3D printer.*

**DRAMA 11** **TH510** Grade Level 11 Credits 4.000

*Acting 11 is an advanced study of theatre and the dramatic arts. Students will explore ensemble, acting and performance through voice, movement, improvisation & characters. Students will learn acting, performance and directing techniques, creative and critical thinking skills to solve problems, learn to communicate their learning and express themselves. Assessment is based on in class participation and assignments, both scripted and non. In Acting 11/12 students will be challenged with large group plays, self direction in small scenes as well as individual monologues. Students must have a mature attitude, be willing to work in groups & individually as well as take risks to*

*expand their skills and confidence as an actor.*

*\*\*\* Please note that this course has a required evening performance, "One Act Plays", in which students must attend one technical/dress rehearsal and 2 evening performances.*

## **EF LIT STUDIES & SPOKEN LANGUAGE 11**

**EF500** Grade Level 11 Credits 4.000

*English First Peoples 11 is one of the three courses available for students to satisfy the Grade 11 English Language Arts graduation program requirement. Students will study and engage with a variety of First Peoples' texts, including an extensive selection of oral texts. Main themes will be Identity and the Significance of Colonization. This course is open to all students who have completed the prerequisite. The structure of the course lends itself to activities that stress cooperative learning and creative thinking. Assignments and activities include oral and written projects and assessments related to literature topics covered.*

## **ENGINEERING 11**

**IE500** Grade Level 11 Credits 4.000

*Engineering 11 is a high level continuation of the skills and knowledge gained in the Technology Education 9 and 10 courses. This course is for students looking to move into the field of Engineering upon graduation of high school. The course touches on the STEM approach and applies it to a hands on area, utilizing every Technology facility in the school, & exposing the students to a wide range of systems, including hydraulics, electronics, manufacturing, and programming. Such equipment includes is our 3D printers, 3D CNC router, CNC Metal Mill, laser and vinyl cutters! Projects that students may be involved in are designing and building a miniature (in some cases full size) fully functional arcade machine, rocketry, and ducted fan based flying vehicles. Items integrated to these projects may include working with Raspberry Pi mini computers and applying a wide variety of different sensors using and programming Arduinos. Please visit dsstech.ca!*

## **EXPLORATIONS OF SOCIAL STUDIES 11**

**SS500** Grade Level 11 Credits 4.000

*This year's course will be divided into four quarters, with each quarter focusing on a module from the new Social Studies Curriculum: 1) Human Geography- examining how humans interact in our globally connected world; 2) Genocide Studies- the economic, political, social and cultural conditions of genocide in different global regions; 3) Social Justice- how social justice initiatives can transform individuals and systems; and 4) History of Film and Music of the 20th century. A variety of assessment strategies (including a decades project) will be utilized to allow students the opportunity to demonstrate their knowledge, learning and skills associated with the big ideas and competencies of the new curriculum.*

## **FITNESS & CONDITIONING 11- STUDIO FIT**

**PE520** Grade Level 11 Credits 4.000

*This course focuses on the development of a personalized approach to healthy active living through participation in a variety of recreational activities including: yoga, pilates, zumba, meditation and other types of physical activities. Some off-campus activities include: hot yoga @ Oxygen Yoga Tsawwassen, the stairs @ Fred Gingell Park, Spin & Swim at the Ladner Leisure Centre. Please note, this course spends approximately 40% of their time off-campus and students are required to arrange transportation to these activities. There is a \$60 fee to cover guest instructors and off-campus activities.*

**FOOD STUDIES 11****HE500** Grade Level 11 Credits 4.000

*Students who choose Food Studies 11 will continue to grow their skills from previous grades regarding food safety, kitchen safety, as well as the use of a variety of cooking methods. Recipes will be dissected and a closer look will be made at functions of ingredients in baking as well as how to make substitutions in ingredients. Cooking practices will continue in all areas such as pastas, rice dishes, appetizers, yeast breads, different types of pastry for sweet as well as savory items, and a unit on cookies and gingerbread houses in the winter term. Meal and recipe design opportunities are available throughout the year, as well as an opportunity to learn more regarding food labeling, and food promotion and marketing strategies. A closer look will also be made into the creation of food guides on an international level. This course focuses on practical skills while having fun! No prerequisite required.*

**FOUNDATIONS OF MATHEMATICS 11****MA500** Grade Level 11 Credits 4.000

*PREREQUISITE-Students taking this course must successfully complete Foundations & Pre-Calculus Mathematics 10. COURSE CONTENT-This course completes the Mathematics 11 requirements for Graduation. This course is a prerequisite for Foundations of Mathematics 12 and is designed to prepare students for post secondary studies which do not require Calculus. Students completing only this course, Foundations of Mathematics 11, will not be able to take Pre-Calculus 12 without also successfully completing Pre-Calculus 11. In this course students will develop proportional, logical, statistical, algebraic, graphical and spatial reasoning skills, and develop an appreciation for the role of mathematics in society. Some students may find that the use of graphing technology (iPad, iTouch, iPhone, II-83 or 84 or some kind of smart phone that can download a FREE graphing calculator) will improve their understanding of the math concepts.*

**INSTRUMENTAL MUSIC 11- GUITAR****MU530** Grade Level 11 Credits 4.000

*There are no prerequisites for Guitar 11. Students will be divided into 4 ability levels: Beginner, Novice, Intermediate, and Advanced. Students are graded on their improvement, effort, and participation in class activities. Guitars are provided for each student to use in class. Students will learn the basic elements of music as they relate to the guitar and learn a variety of songs from different genres. They will also explore the history and cultural roots of modern popular music.*

**INSTRUMENTAL MUSIC 11- INTERMEDIATE BAND****MU500I** Grade Level 11 Credits 4.000

*General Information: This is a course for Grade 11 students with minimum 1 year of recent band experience (or equivalent). The skills learned at the beginner level are expanded through playing more complex music, music theory, history and listening. Students are expected to practice at home for a minimum of one hour per week. Mandatory concerts are also part of the program. Students can arrange for rental or purchase of instrument through local music shop. (School will help facilitate this.) A limited number of instruments are available to borrow through the school on a needs basis.*

**INSTRUMENTAL MUSIC 11- SENIOR BAND****MU500S** Grade Level 11 Credits 4.000

*GENERAL INFORMATION-Students may provide their own instruments and miscellaneous equipment. Some instruments/equipment will be available through the school without fee on a needs basis. Students using school instruments will be limited in choice. Those who choose to have their own instrument may "rent to own" or purchase an instrument through*

retail music stores. The school will help facilitate this. This is a course for Grade 11 students who are at an advanced level. They must have had at least two years at the Intermediate level or have the director's permission to participate in this course. Instrumental Music 11: (Senior) provides a more challenging repertoire and greater emphasis on interpretation and musicianship. Students rehearse primarily during class time, but are expected to participate in weekly student-led rehearsals outside of class time, as well as in performances. Students are encouraged to participate in the annual spring field trip.

**LANGUAGES 11- FRENCH**

**LA500** Grade Level 11 Credits 4.000

This course is a continuation of French 10. Students will interact daily in French using the communicative approach. Through relevant themes, the four language skills of speaking, listening, reading and writing are taught. Students will learn that language and culture are interconnected and explore diverse forms of cultural expression to promote a greater understanding of their own cultural identity.

**LANGUAGES 11- GERMAN**

**LA510** Grade Level 11 Credits 4.000

*PREREQUISITE*-Satisfactory completion of Introductory German 11. *COURSE CONTENT*-The skills introduced in Beginner German 11 are further developed in German 11. Topics include: shopping, jobs, food and family. Cultural and geographical aspects are also included.

**LANGUAGES 11- INTRODUCTORY GERMAN**

**LA510B** Grade Level 11 Credits 4.000

*RECOMMENDATION*-Unqualified promotion to Gr 10-12. This introductory course is designed for students in Gr 10-12 wishing to complete their language requirements. *COURSE CONTENT*-The focus is on communicating in a German-speaking environment. Gathering and giving information on such topics as: self, shopping, travelling and food. Listening and reading comprehension are major components in this course. Cultural and geographic aspects of the German-speaking countries will also be included.

**LANGUAGES 11- SPANISH**

**LA520** Grade Level 11 Credits 4.000

*COURSE CONTENT*-The skills introduced in Spanish 10 are further developed in Spanish 11. Emphasis continues to be in the four skills of speaking, listening, reading and writing.

**LIFE SCIENCES 11- BIOLOGY**

**SC510** Grade Level 11 Credits 4.000

*COURSE CONTENT* - This survey course is an introduction to the diversity of life on Earth. Core topics include: evolution, classification of living organisms, microbiology, fungal biology, plant biology, and animal biology. Students will be introduced to various scientific skills and processes that biologists use on a regular basis. *ASSIGNMENTS/ACTIVITIES*- Hands-on lab activities, assignments and projects will be assigned.

**MARKETING & PROMOTION 11**

**BE560** Grade Level 11 Credits 4.000

*COURSE CONTENT*-Marketing 11 provides students with an opportunity to develop an understanding of basic marketing concepts, practices and strategies. Students learn how marketing helps businesses determine and meet customer needs, how and why businesses present a variety of products and services and how marketing helps individuals and businesses become successful. Topics include: an introduction to marketing, market research, customer buying behaviour, identifying target markets, sales promotion and advertising and creating a marketing plan. *ASSIGNMENTS/ACTIVITIES*-Marketing 11

*incorporates a wide variety of projects and activities. For example, students will conduct market research, design advertising and promotional materials, and create a detailed marketing plan for a specific business or product.*

## **MEDIA DESIGN 11**

**DM550** Grade Level 11 Credits 4.000

*Media Design is a flexible learning environment that allows students to pursue their own interests: graphic design, film production, game design or web design. Students will work on projects such as magazine layouts, poster design, scripting, shooting and editing movies or building your own video games or phone apps; learn to use tools such as Phototoshop, Illustrator, Premiere Pro and the Unity game engine. Students have access to great equipment including camcorders, digital cameras and drawing tablets. Students should be self-motivated and able to work independently.*

## **METAL WORKS 11**

**IE550** Grade Level 11 Credits 4.000

*Metal Fab and Machining 11 is a fun course where you learn the most common processes of modifying metals. We will use processes like machining on the Lathes and milling Machines, MGAW and Stick welding, Brazing, Sand Casting, Sheet Metal forming, and CNC (computerized) machining. Students will integrate several processes on any particular project as they work their way through the shop and the year. Students will produce projects like Sheet Metal Tool boxes, Lathe-turned Whistles, Welded Flower Pot Stand or a Wheel Clock. Please visit dsstech.ca!*

## **PHOTOGRAPHY 11**

**AR551** Grade Level 11 Credits 4.000

*Photography is about allowing students to use a camera to express themselves visually as well as tell people's stories through images. Student's will learn how to properly use a Digital SLR camera to take creative photos as well as document the year through photojournalism. Students will also learn about using tools such as Photoshop and InDesign to edit photos and create stunning magazine layouts. In addition, students will learn to navigate the analog world through various darkroom practices.*

## **PHYSICS 11**

**SC530** Grade Level 11 Credits 4.000

*Physics is recommended for all students who wish to pursue academic studies or career training in scientific, technical, or medical fields. Students will engage in an exploration of: Graphing, Measurement, Kinematics, Dynamics, Energy, Circuits, Waves, and Simple Machines. Students taking Physics should have a strong math background. Physics 11 students will advance their problem solving skills, measurement skills, laboratory skills, and familiarity with scientific conventions and procedures. Student progress is assessed using problem sets, lab work, quizzes, and tests.*

## **PRE-CALCULUS 11**

**MA502** Grade Level 11 Credits 4.000

*PREREQUISITE-Students taking this course must have previously successfully completed Foundations and Pre-Calculus Math 10. COURSE CONTENT-This course completes the Math 11 requirements for Graduation. This course is a pre-requisite for Pre-Calculus 12 and is designed to prepare students for the study of Calculus. This course includes content that will develop algebraic, graphical and geometric reasoning skills and will enhance numeracy. Students will study the graphical and algebraic representations of functions commonly used in Math, apply their knowledge to solve equations and inequalities, and explore the connections between these functions.*

**PSYCHOLOGY 11** **PS500** Grade Level 11 Credits 4.000

*This is an introductory course on the science of our mind and behaviours. The class is delivered in an engaging and experiential manner, to balance theory with practical exercises. It is designed to be experiential in order to give students a more enriching and memorable experience so they can better understand why we think and do what we do. This class also practices critical thinking skills.*

**RECREATION LEADERSHIP 11** **PE570** Grade Level 11 Credits 4.000

*This course is designed for students interested in developing leadership skills, promoting recreational activity, and gaining practical, hands-on experiences in event planning and project management. In this course, students will design, organize, implement, and facilitate various recreational activities in the school and community. Activities may include intramural games, elementary school visits, the Terry Fox Run, the Relay for Life, a Sun Run team, and/or any other area the students are passionate about. This course will require students to be available outside of class time for various class initiatives throughout the year and will involve service hours in the school and community. This course may also involve leadership field trip opportunities. Students enrolling in this course should be responsible, reliable, self-motivated, interested in recreational activities, and have good attitudes and behaviour.*

**SCIENCE FOR CITIZENS 11** **SC560** Grade Level 11 Credits 4.000

*Science for Citizens 11 is suitable for students whom are less interested in traditional laboratory-based science courses. Topics cover three big ideas: "scientific processes inform our daily lives," "scientific knowledge has uses in the workplace," and "scientific understanding allows us to respond to global issues." This course is evaluated through written assignments, journal entries, and tests.*

**STRATEGIES 11- ABORIGINAL STUDIES** **AS550** Grade Level 11 Credits 4.000

*This course focuses on the oral and artistic expression of Aboriginal cultures. It also deals with Aboriginal traditions, issues and customs, both pre- and post-European settlement. Students in this course are encouraged to take a leadership role in the class, school and wider community. Aboriginal Studies is a graded elective.*

**STRENGTH & CONDITIONING 11-** **PE550** Grade Level 11 Credits 4.000

**WEIGHT TRAINING**

*Building on the knowledge, skills, concepts and activities of PHE 10, Fitness & Conditioning 11/12 focuses on developing a students personal fitness level through a variety of activities both individual and group. Students will gain knowledge in the following areas: Human Anatomy and Physiology, Principles of Training, Healthy Living and Social Responsibility. This course will include community and school based field trips as well as school facilities that also include the weight room, gymnasium, field and surrounding community.*

**STUDIO ARTS 2D 11- DRAWING & PAINTING** **AR520** Grade Level 11 Credits 4.000

*Students will gain an enriching art experience as they journey further into the world of 2D arts. A variety of art mediums and techniques will be explored with the intention of having a work of art displayed publicly. Every student will get their own visual journal (sketchbook) for practice and play. Students will be inspired by other artists, artworks, art contests and the world around us.*



**STUDIO ARTS 3D 11- CERAMICS & SCULPTING**                      **AR530**    Grade Level 11    Credits 4.000

*This course continues to build skills, a knowledge base and context relating to ceramics and sculpture. The basic course explores the world of 3D design and sculpture through paper mache, cardboard, found object construction and small clay projects. Enhanced projects include the use of glass and metal and include glass bead making, stained glass, glass fusing, mosaics and larger clay projects.*

**THEATRE COMPANY 11**    **TH530**    Grade Level 11    Credits 4.000

*This course is an opportunity to be part of a cast of a scripted full length play. The creation and performance of a theatre production requires collaborative efforts of the entire company. This course is offered outside the timetable 2 days a week after school with the time commitment increasing closer to show date. Students are required to have a mature, committed and professional attitude towards the creative and rehearsal process and performance. By doing so they learn acting and personal skills necessary to perform within a Company. These skills include teamwork, vocal techniques, movement such as blocking, tableau and dance, character and improvisation.*

**WOODWORK 11**    **IE510**    Grade Level 11    Credits 4.000

*This course is for anyone, of any skill level. Beginners are welcome. It is also a course for students wishing to design and produce higher level projects with more advanced woodworking concepts and processes. Using all of the machines in the shop. Is there something you'd really like to build? Come and talk to the instructor about it! Depending on experience and skill level, beginners will be guided in their learning through several assigned projects, whereas more experienced students will have the chance to build more complex projects of their own choice. Please visit dsstech.ca*

**WOODWORK 11- CARPENTRY & JOINERY**    **IE513**    Grade Level 11    Credits 4.000

*PREREQUISITE: None! Technology Education 10: Woodwork is recommended but not required. RECOMMENDATION: For students wishing to learn the fundamental skills that are common to the trades of Carpentry & Joinery. Students may use this course to meet the Applied Skills Foundation Studies. COURSE CONTENT: This is a two-part introductory course in basic house building and show woodworking. The students will learn how the various components of a framed house fit together. In the shop students will continue to explore carpentry skills by learning how to design and assemble cabinets and other projects. Emphasis is placed on practical, hands-on activities. ASSIGNMENTS/ACTIVITIES: Students will construct various small outdoor projects such as garden sheds or greenhouses. These projects are build to residential building code for members of the local community. They are more than just a typical shed or greenhouse! These projects involve a trip to the property where they will be erected by the students on site!*

**WORK EXPERIENCE 11A APRENTICESHIP**    **AP500A**    Grade Level 11    Credits 4.000

*'Youth Work in Trades' offers students aged 15 to school age 19 an opportunity to begin their apprenticeship while still in school. It is the beginning of training on the job which is typically 80% of becoming a journeyperson (classroom training is the other 20%). Students must be hired (paid) and working under the direction of a Journey Person. As well, their employer must agree to sponsor them with the ITA through Delta District as a Youth Apprentice. Up to four grade 11/12 courses (11a, 11b 12a, 12b) and a \$1000 award are possible. This is a great start or continuation to Youth Train in Trades as well.*

*Work Experience 12 can also be used as a starting point. Advantages of Work in Trades include: four credits for each 120 hours of paid employment (up to a maximum of 16 credits for 480 hours), registration with the Industry Training Authority, potential for \$1000 award upon completion, earn hours towards your trade with the ITA, and learn in a 'real world' situation.*

### **WORK EXPERIENCE 11B APPRENTICESHIP**

**AP500B** Grade Level 11 Credits 4.000

*'Youth Work in Trades' offers students aged 15 to school age 19 an opportunity to begin their apprenticeship while still in school. It is the beginning of training on the job which is typically 80% of becoming a journeyperson (classroom training is the other 20%). Students must be hired (paid) and working under the direction of a Journey Person. As well, their employer must agree to sponsor them with the ITA through Delta District as a Youth Apprentice. Up to four grade 11/12 courses (11a, 11b 12a, 12b) and a \$1000 award are possible. This is a great start or continuation to Youth Train in Trades as well. Work Experience 12 can also be used as a starting point. Advantages of Work in Trades include: four credits for each 120 hours of paid employment (up to a maximum of 16 credits for 480 hours), registration with the Industry Training Authority, potential for \$1000 award upon completion, earn hours towards your trade with the ITA, and learn in a 'real world' situation.*

### **WORKPLACE MATH 11**

**MA510** Grade Level 11 Credits 4.000

*PREREQUISITE-Successful completion of Apprenticeship & Workplace Math 10, or Foundations & Pre-Calculus Math 10 with teacher recommendation. COURSE CONTENT-This course completes the Math requirements for graduation and provides students with basic Math skills they will need to gain employment after graduation. Students who wish to go on to pursue a career in the trades should look at educational requirements for post-secondary institutions as some programs require Foundations of Math 11. Surface area and volume problems involving both imperial and metric measurements, application of trigonometry to solve real-life problems, understanding and solving problems that involve scale, modeling and drawing 3D objects, solving problems involving personal budgets, understanding bank accounts, debit and credit cards and compound interest and loans. Demonstrating an understanding of slope and rates of change, applying proportional reasoning and solving problems using unit analysis, creating and interpreting graphs to analyze data.*