

## ENGLISH 11

**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.*

## ENGLISH 11 FIRST PEOPLES

**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.*

## 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.*

## FOUNDATIONS OF MATH 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, TI-83 or 84 or some kind of smart phone that can download a FREE graphing calculator) will improve their understanding of the math concepts.*

## APPRENTICESHIP & 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.*

## **BIOLOGY 11**

**SC510** Grade Level 11 Credits 4.000

*COURSE CONTENT-This course is a survey of the diversity of life on earth. Students study a variety of organisms to learn about the evolution of life on earth and the earth's ecology. Students are introduced to a variety of biological skills and scientific processes. Core topics include: Adaptation and Evolution, Classification, Microbiology, Fungal Biology, Plant Biology and Animal Biology. ASSIGNMENTS/ACTIVITIES-Various assignments, questions and lab activities are assigned and completed for homework if necessary. In addition regular home study is required.*

## **CHEMISTRY 11**

**SC520** Grade Level 11 Credits 4.000

*Chemistry 11 is a course required for many Science and Health Science fields. Students taking this course should have a strong background in Math and be taking Math 11 concurrently. Course content will include lab safety, properties of substances, introduction to inorganic naming, the mole concept, chemical reactions, atomic structure, introduction to bonding, solution chemistry and organic chemistry. Evaluation will be based on assignments, homework, lab activities which are assigned on a regular basis as well as a test on each unit. A regular program of home review is advised for success in this course.*

## **PHYSICS 11**

**SC530** Grade Level 11 Credits 4.000

*RECOMMENDATION-Physics 11 is recommended for all students who wish to pursue academic studies or career training in scientific, technical and medical fields. Students taking Physics 11 should have a strong math background. Math 11 should be taken concurrently. COURSE CONTENT-Kinematics in one dimension, dynamics in one dimension, mechanical and heat energy, nuclear physics, wave motion and optics. ASSIGNMENTS/ACTIVITIES-Lab work, problem solving, special projects, quizzes and tests.*

## **SCIENCE FOR CITIZENS 11**

**SC560** Grade Level 11 Credits 4.000

*Recommendation- Science for Citizens is suitable for students who are less interested in traditional laboratory-based science courses. Topics cover three big ideas: Science informs our decisions and impacts our daily lives. Science has everyday uses and safety implications in teh workplace. Science helps explain how natural changes and human choices affect global systems.*

## **SOCIAL STUDIES 11**

**SS500** Grade Level 11 Credits 4.000

### *INTRO TO NEW CURRICULUM MODULES*

*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 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.

## **CIVIC STUDIES 11**

**SS501** Grade Level 11 Credits 4.000

*COURSE CONTENT*-Civic Studies 11 is a four credit course, with a Provincial Exam. It can be taken instead of Social Studies 11 or concurrently with Social Studies 11. The curriculum for the course will cover informed Citizenship (which includes government, roles of individuals in society, our rights and responsibilities, Canadian politics, Canadian law, international law and human rights.) The course will also examine Civic Deliberation (including fundamental principles of democracy, decision making, ideologies, political parties and Canada's role in international issues). Finally, Civic Studies will study Civic Action (where students take positions on issues, examine a range of processes of civic action to better understand how they operate in society and understand the various mechanisms for public involvement.) Discussion and debate are encouraged in this course.

## **ABORIGINAL STUDIES 11**

**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.

## **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.

## **BUSINESS COMPUTER APPLICATIONS 11**

**BE530** Grade Level 11 Credits 4.000

This is the most useful class you will ever take. This project-based course uses MS-Office 2010 software. In this course you will: improve your touch typing skills, create professional-looking newsletters, spreadsheets, database reports and brochures. Learn to do cool things you never thought of in Word.

## **MARKETING 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.*

**COMPUTER ANIMATION 11** **DM525** Grade Level 11 Credits 4.000

*Satisfies Applied Skill credits.*

*OVERVIEW-Computer 3D Animation and CGI 11 are linked to the new 3D Digital Media program. Computer animation in Vancouver is a growth industry with over 130 game development and CGI companies. COURSE CONTENT-Computer 3D Animation and CGI 11 is linked to the new 3D Digital Media program. This is a course designed to continue learning the art of Animation, 3D Mesh Modeling, lighting, scene development within the digital CGI world. Level 2 Animation will focus on personal development in character design, sketching and 3D digital modeling, leading to "making things move". Blender, Pivot Stick Man and other applications.*

**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 ITE1 (which can count for credit at some post-secondary institutions) as well as DM570.*

**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 cutter, Arduino and Raspberry Pi kits, Lego Mindstorm robotics, flatbed printers, and cameras just to start. Students are encouraged to discover and follow their passions, invent new creations and solve real world problems with innovative thinking. IDS Course will give you a 2nd block of Makerspace.*

**DIGITAL DESIGN MAKERSPACE 11 IDS** **DM530I** Grade Level 11 Credits 4.000

*IDS Course will give you a 2nd block of Makerspace. Please see your counsellor if you would like a 2nd block.*

**DIGITAL MEDIA DEVELOPMENT 11** **DM550** Grade Level 11 Credits 4.000

*Digital Media 11 is part of the Delta Digital Design (3D) program. It 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 Photoshop, Illustrator, Premiere Pro and GameMaker Studio. Use great equipment including HD professional camcorders, digital cameras, drawing tablets and new to the program, 3-D printing! Students should be self-motivated and able to work independently.*

**FARM ROOTS MINI SCHOOL 11** **ZFAR11** Grade Level 11 Credits 4.000

*Farm Roots is an innovative mini school program where students build and design a working, sustainable farm. While learning the core curriculum, students develop leadership and*

communication skills- preparing them for employment in today's world. Farm Roots students attend the campus in Boundary Beach every second day and their own high schools the other days. Students can earn up to 20 credits in this program from the core curriculum like socials and science. They can also earn university credit through the dual credit portion of the program through the Sustainable Agriculture Faculty of Kwantlen Polytechnic University. Take your learning outside! Close your textbook and learn while doing hands-on, real-life projects. For more information go to [www.deltalearns.ca/farmroots](http://www.deltalearns.ca/farmroots).

### **CULINARY ARTS TRAINING 11**

**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.

### **FOOD STUDIES 11**

**HE500** Grade Level 11 Credits 4.000

Students who choose Food Studies 11 will continue to grow their skills from Grade 10 regarding food safety, kitchen safety, as well as using 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 focussing on refrigerated cookies and gingerbread houses in the winter term. This course focuses on practical skills while having fun! No prerequisite required.

### **PROF'L BAKING & PASTRY ARTS TRAINING 11**

**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.

### **TEXTILE STUDIES 11**

**HE520** Grade Level 11 Credits 4.000

Students who choose to take Textiles 11 have an interest in fashion and working with their hands. During the course students will be creating clothing and creative items using an array of different materials and supplies. Students are expected to grow on their skills learned from previous textile courses and choose items, which challenge their skills and level of knowledge. Students are expected to choose a minimum of three projects over

*the year, that show different skills learnt and a growth in skill development. No prerequisite required.*

**FRENCH 11**

**LA500** Grade Level 11 Credits 4.000

*RECOMMENDATION-This course is highly recommended for students who wish to fulfill their language requirement for continuing on to university. COURSE CONTENT-An extensive review of the previously acquired grammar and language structures developed in the prerequisite courses continues in this course and new skills are introduced using D'ACCORD 2.*

*ASSIGNMENTS/ACTIVITIES-There will be daily written exercises, oral and aural assignments in addition to quizzes and component tests. Reading extracts from assigned readers and the literature text (Rencontres) and practice in working compositions will be emphasized.*

**GERMAN 11**

**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.*

**INTRODUCTORY GERMAN 11**

**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.*

**SPANISH 11**

**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.*

**ACTIVE LIVING 11 (PE)**

**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.*

**FITNESS & CONDITIONING (PE)11- GIRLS**

**PE520** Grade Level 11 Credits 4.000

*Building on the knowledge, skills, concepts and activities of PHE 10, Fitness & Conditioning 11/12 focuses on developing a student's 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.*

**FITNESS & CONDITIONING 11 (PE)**

**PE550** Grade Level 11 Credits 4.000

*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.*

**ACTING 11 - THEATRE PERFORMANCE**

**TH510** Grade Level 11 Credits 4.000

*COURSE CONTENT - This course is designed for the more advanced acting student who is interested in performance. It is a practical course dealing with the business of theatre. It assumes that the student has a real interest and desire to develop as an on-stage performer and is prepared to commit time, energy and talent to his/her work and partners. Self confidence, self awareness, leadership, cooperation, teamwork, as well as character development and projection, blocking, movement and voice are stressed. As well, script reading and analysis are required. ASSIGNMENTS/ACTIVITIES - Students are required to act in the DSS annual One Act Play Festival. This commitment requires in-class and after school rehearsal and performance.*

**CONCERT BAND 11 - BEGINNER**

**MU500B** Grade Level 11 Credits 4.000

*GENERAL INFORMATION: This course is designed for students wishing to learn a Band instrument. Students may provide their own instruments through "rent to own" program or purchase from local music store (the school will help facilitate this). Some instruments will be available through the school on a needs basis but those using school instruments will be limited in their choice of instruments. In this course students will learn basic performance skills, music theory, and learn how to be a member of an ensemble. There are mandatory group performances throughout the year. No previous musical experience is necessary, but a minimum of one hour of home practice per week is expected.*

**CONCERT BAND 11 - INTERMEDIATE**

**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.*

**CONCERT BAND 11 - ADVANCED**

**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.

### **GUITAR 11 - INSTRUMENTAL MUSIC**

**MU530** Grade Level 11 Credits 4.000

*GENERAL INFORMATION*-There are 4 Guitar Programme Levels: #1 (Beginner/never played the guitar before) #2 (Novice/has a good knowledge of open chords & can read music in the 1st position) #3 (Intermediate/has the ability to play barre chords & is competent at alternate thumb picking with open chords) #4 (Advanced/alternate thumb picking with barre chords & has a good understanding of scales in different modes). *NOTE: Each block of Guitar (except Gr 8) will have Gr 9-12 & a variety of levels 1-4. Guitars are provided for all students. PREREQUISITE*-This is a course for Gr 11 students wishing to study the guitar. Students will be placed in an appropriate level 2-4. *COURSE CONTENT*-Skills taught in reading chord charts, tablature, notes and rhythmic patterns; also strumming & picking patterns through the study of appropriate songs. Will learn to write their own songs & have the opportunity to perform for the class individually or in small groups and to record their own songs using multiple track computer software.

### **GUITAR 11 - COMPOSTION & TECHNOLOGY**

**MU531** Grade Level 11 Credits 4.000

*TAKE THIS COURSE IF*-You want to combine your love of playing music with digital media. If you are an aspiring artist or find yourself listening to the soundtrack during a movie or love visiting bands' websites, Composition & Technology is a natural fit. *WHO CAN TAKE THIS COURSE?* This is a course for intermediate or advanced grade 11 guitar players with a strong desire to learn all about sound recording and digital media. There will be a wide array of digital media projects: single and multi-track recordings, podcasts, music, videos, live shows, creating jingles, movie soundtracks and more! Due to limited space, instructor approval required.

### **PSYCHOLOGY 11**

**PS500** Grade Level 11 Credits 4.000

It is strongly recommended students have a C+ or better in their Grade 10 academic subjects. This project based introductory course is designed to provide students with an understanding of the science of psychology. The course will provide an introduction to the history of psychology, developmental psychology, biopsychology, sensation, perception, learning and remembering, emotion, and abnormal psychology.

### **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!



## **CARPENTRY & JOINERY 11**

**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 shop 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 built 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!*

## **DRAFTING & DESIGN 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.*

## **METAL FAB & MACHINE 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 [dssteched.ca](http://dssteched.ca)!*

## **WOODWORK TECHNOLOGY 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 [dssteched.ca](http://dssteched.ca)*

## **ART FOUNDATIONS 11**

**AR500** Grade Level 11 Credits 4.000

*Only to be taken by course teacher approval.*

*This is an individualized program for students who are also enrolled in Grade 11 courses in Art and require more time to pursue their passion for art and/or photography. Students in Foundations are serious about art and independently work on projects and assignments that may lead to an entrance portfolio for an art/design school of choice. This independent course of study must be approved by the supervising teacher.*

**CERAMIC & SCULPTURE 11 - STUDIO ARTS** **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.*

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

*PREREQUISITE-Students should have successfully completed an art course at the Grade 9 or 10 level or by permission of the instructor. COURSE CONTENT-This course continues to explore drawing and painting through a multitude of mediums and processes. Draw with bamboo reeds and ink, use conte and smudge sticks, experiment with compressed charcoal and kneadable erasers. Consider the optics and emotional reactions to colour. Explore acrylic, oil and water colour paint. Push your image development to new limits. Look and ponder at the wonderful artists and traditions in art history. ASSIGNMENTS-A sampling of assignments includes painting the landscape in the style of the Group of Seven. Discover the fun of the portrait while delving into pattern and texture. Hone your skills in perspective drawing while painting small scale buildings, planes, trains and automobiles. Combine text and image together to make social commentary.*

**MEDIA ARTS 11-PHOTOJOURNALISM** **AR552** Grade Level 11 Credits 4.000

*PREREQUISITE-Basic working knowledge of digital cameras and photograph techniques. RECOMMENDATION-Do you enjoy telling stories through photographs? This is a hands-on class focusing on the technical and creative skills needed to produce images that tell stories for newspapers, magazines, websites and specifically the DSS yearbook! COURSE CONTENT-This course is about capturing all the events, highlights, memories and everyday life of DSS students throughout the year. Students will learn about taking candid, event and action photos and preparing them for print, as well as the theory and techniques for creating professional quality layouts. Interpersonal skills and teamwork are paramount, as working closely with the yearbook production team is essential. This course is recommended for students wishing to be part of the yearbook team in Grade 12.*

**PRINTMAKING/GRAPHICS 11-PHOTOGRAPHY** **AR551** Grade Level 11 Credits 4.000

*"Photographs can reach through the moment." Henri Cartier-Bresson  
Photography helps us capture the moment and hold memories - it is the contents of the family album. This course will give students the ability to identify and compose a successful photograph; learn how to use the camera in a creative and confident manner as a way to document life and as a vehicle for artistic expression. Students will explore their creativity through photography field trips in and around Ladner. They will learn how to use studio lights and how to take the most flattering pictures of themselves and friends. Students will try their hand at polaroid images and lift prints and create a book to showcase their best images. Students will learn how to manipulate images in photoshop and become more familiar with darkroom practices.*

**YEARBOOK PRODUCTION 11** **AR553** Grade Level 11 Credits 4.000

*The production of the yearbook requires skills from many different disciplines: photography, graphic design, media arts, business education, desktop publishing, marketing and journalism. This course is designed to give students the skills needed to design a*

*yearbook in grade 12. Course content includes capturing school events and student life in photos, editing and photo manipulation, graphic design principles and learning how to design layouts, posters and more. Students will have an opportunity to contribute to the current yearbook, as well as other graphic design projects. Students must be self-motivated and be able to work well with others.*