

Gulf Islands Secondary School

Course Selection Guide 2011-2012



HOW TO USE THIS GUIDE

This booklet will outline all of the graduation requirements and options for students in Grades 9 through 12 at GISS. The primary purpose of this guide is to help students choose courses for the coming year, but it is also meant to be kept and used. Do not throw it away!

PLANNING THE COMING SCHOOL YEAR

1. Learn which courses are required by studying this guide, and also by verifying specific university and college entrance requirements.
2. Where a requirement involves a choice of courses (Foundations of Math 11 or Precalculus 11, Apprenticeship and Workplace Math 11 for example) read the course descriptions, seek your subject teacher's advice and make realistic decisions.
3. When choosing any course, read the description carefully. Think about your personal skills and interests.
4. Use a Course Planning Worksheet based on the grade you are entering.
Note: We hire and assign staff according to your choices now – please choose wisely and don't expect to be able to switch courses in September!
5. Timetable conflicts sometimes make it impossible to take all the courses you want. Plan alternative courses and write them on your course planning form.
6. Arrange in advance for tutoring in a class you expect to find difficult.

OPTIONAL PROJECT COSTS

Many courses include opportunities for students to undertake optional projects or participate in field trips. Where students choose optional activities, they must pay for materials, admissions, transportation or additional supplies. No student will be required to participate in optional activities for which there is a cost, and marks will not be affected by non-participation in those activities.

PROVINCIALY EXAMINABLE COURSES

Courses with required Provincial exams are indicated in the course description. Students will be required to write five Grad Program exams:

1. Grade 10 English
 2. Grade 10 Science
 3. Grade 10 Math
 4. Grade 11 Social Studies 11 or BC First Nations Studies 12 □
 5. Grade 12 Language Arts (EN12 or COM12) □
- French Immersion students must write FRAL 12.

Grade 10 and 11 exams are worth 20 per cent of the student's final mark. Grade 12 exams are worth 40 percent of the student's final mark.

OPTIONAL GRADE 12 EXAMINATIONS

Other than Language Arts 12, FRAL 12 and BC First Nations Studies 12, students have the option of taking examinations related to specific Grade 12 level courses. Students need to be sure of post-secondary admission and scholarship requirements, and should meet with their counselor before deciding whether or not to take a provincial exam. Full credit may be earned for these courses whether or not the related examination is taken.

EXTERNAL CREDITS

Credit at the Grade 10, 11 or 12 levels may be granted to students who have attained a high level of competency in a course of study or area of expertise outside the public school system. Credits are granted to those who fulfill requirements in athletics, languages, music, cadets, 4-H, driver education, first aid, lifesaving, computer certification, dance, drama, and speech.

Students who believe they may qualify for external credits must collect documentation and submit it to the school counselor.

INDEPENDENT DIRECTED STUDIES

Students who wish to pursue a passion on a deep learning level are encouraged to see one of the SDL teachers about developing an IDS proposal. This course is designed by the student based on fewer learning outcomes from an existing Ministry of Education course. This allows a student to delve deeply into a topic that they find fascinating. Students must write a proposal, which starts with an interesting question, and present it to the SDL staff – preferably before the new semester begins.

SPECIALIZED PROGRAMS

We encourage students and their families to consider our specialized programs as part of their pathway through school. There is much to be learned by taking a slightly different path for at least part of your time in school. The current options are:

- Phoenix PLACE
- Self Directed Learning (SDL)
- Level One Carpentry
- Professional Cook Training
- Gulf Islands School of Performing Arts
- Advanced Placement Art
- Advanced Placement English
- Saturna Ecological Education Centre (SEEC)
- Concurrent college credits
- French Immersion

GRADUATION PROGRAM

Grade 9 students do not earn “credits” for their courses, but must successfully complete the following courses: English 9, Social Studies 9, Science 9, Math 9, and PE 9 as well as the Health and Career Education curriculum in order to move on to Grade 10 courses and begin earning “credits”.

Grade 10, 11 and 12 students do earn credits in the graduation program. To graduate with a Graduation Certificate, students must complete the following requirements and earn at least 80 credits at the grade 10, 11 and 12 level:

48 credits Required Courses

Language Arts 10 (4 credits) Science 10 (4 credits)
Language Arts 11 (4 credits) Science 11 or 12 (4 credits)
Language Arts 12 (4 credits) Math 10 (4 credits)
Social Studies 10 (4 credits) Math 11 or 12 (4 credits)
Social Studies 11(4 credits) Physical Education 10 (4 credits)
Planning 10 (4 credits) Fine Arts or Applied Skills 10, 11 or 12 (4 credits)

28 credits Elective courses

Minimum of 16 credits at the Grade 12 level including Language Arts 12.

4 credits Grad Transition

150 minutes a week of documented Physical Activity
30 hours of volunteer work or work experience
A transition plan

80 credits total

SPECIALIZED PROGRAMS

ACADEMIC PROGRAMS

SELF DIRECTED LEARNING (SDL)

Senior students who are strong, self-directed, independent learners have the opportunity to complete courses with teacher supervision and support rather than in a traditional classroom setting. Entry into the Distributed Learning Program requires consultation with a school counsellor and an interview with a Distributed Learning teacher within the first week of the semester. Courses are offered in a variety of ways, but we emphasize the use of technology and the development of Web2.0 knowledge. Collaboration is encouraged, so students should sign up for courses with others. In many cases, students are designing course material as they progress through the course, so a high degree of self-discipline, motivation, and creativity are necessary. A fee for course materials may be requested in certain cases.

FRENCH IMMERSION

We offer a full French Immersion program at GISS. Students who successfully complete the Secondary French Immersion program will reach a bilingual status and will be awarded a bilingual Dogwood certificate. This certificate opens the doors to a number of post-secondary opportunities pursuing studies in French. The program involves taking 3 courses at the Grade 9 and 10 levels, and a full-time intensive semester in the second half of grade 11 ending with the Provincial Exam in FRAL 12. Students generally stay with the same cohort throughout the program and benefit from many extra cultural activities as part of the program. All courses are required to receive a dual Dogwood graduation.

PHOENIX PLACE: Personalized Learning And Community-based Education

Phoenix Place offers students in grades 10, 11 and 12 a personalized, self-directed learning experience in a comfortable, flexible and relaxed learning environment. A project-based learning approach offers students wide choices through enriching activities both inside and beyond the classroom. Student development of pre-employment awareness, skills and attitudes is a major focus. If you think this might be the program for you, make an appointment with a school counsellor.

SATURNA ECOLOGICAL EDUCATION CENTRE (SEEC) Semester on Saturna Island

Focusing on outdoor education, ecological learning and environmental leadership, this one-semester program offers students an integrated suite of 5 courses (20 credits): Science & Tech 11, Environmental Communication (English) 11 or 12, Teaching and Learning 11, PE 11 or 12 (Outdoor Pursuits) and Independent Direct Studies. The SEEC Semester is free (except for a small weekly food stipend) and students board on Saturna for this 3-day/2-3 night per week program. Space is available for 12 students maximum. Past SEEC students have learned much more than the curriculum with this opportunity to study in an intensive, supportive, small environment. Choose September-January semester or February-June semester.

ARTS PROGRAMS

GULF ISLANDS SCHOOL OF PERFORMING ARTS (GISPA)

The Gulf Islands School of Performing Arts offers advanced education in Music, Dance and Theatre for students in grades 9-12. A student enrolled in GISPA receives ongoing, comprehensive training, master classes and workshops with visiting professionals, performance opportunities in various showcases and main-stage productions, as well as attending several professional productions and performances in Victoria & Vancouver. With an emphasis on original composition, choreography and collective creation we integrate Dance, Theatre and Music in unique and innovative ways, though individualized instruction in Music, Dance and Theatre is our focus.

GISPA courses are similar to those offered in first or second year post secondary arts programs, and include secondary level course credit. Admission is by audition and successful applicants pay \$1500 tuition for ten months of programming. For more information on the Gulf Islands School of Performing Arts please visit: <http://web.mac.com/gispa/gispa/Home.html>

ADVANCED PLACEMENT STUDIO ART

Entry into this course is by permission of the teacher. AP Studio Art 12 is an advanced course for the serious art student. Students will explore a theme of his or her choice and develop a portfolio which may be used for entry into post-secondary art programs in the future. Students are responsible for the fee that is levied for the portfolio review, if they choose to submit their portfolio to the College Board.

CAMOSUN COLLEGE COURSES at GISS

These courses transition students from secondary school to post secondary education and the workplace while earning both high school graduation and post-secondary credits and/or certification.

ELC 150 (Early Learning and Childhood)

Students who are interested in a career in daycare, preschool or work with young children are invited to apply for this program in their grade 11 or 12 year. This is an online course taken in SDL.

BIOLOGY 150

Human Anatomy introduces structural and functional relationships within the eleven systems of the human body through a lab and lecture based format. Students will study gross and microscopic human anatomy with slides, models, photographs, diagrams and organ dissections. Anatomical and physiological terminology is stressed. This course combines classes at GISS, with labs at the Camosun College Lansdowne Campus.

ENGLISH 150 (English Composition) transfers to UVic, SFU, UBC and more

This course is equivalent to the first year English course required in many university and college programs. Develop your writing skills and learn to write in an organized, clear and effective manner. The course will prepare you to succeed in academic writing and research as well as critical thinking. This course is offered outside the timetable.

TRADES & WORK PROGRAMS

SECONDARY SCHOOL APPRENTICESHIP PROGRAMS

Students interested in careers in the Trades can take advantage of the Secondary School Apprenticeship program designed to complete secondary school graduation requirements while working under the sponsorship of an industry expert. Hours earned while in high school count toward the total required for journeyman status. In addition, SSA students qualify to apply for a \$1000 scholarship. Entry into the SSA programs is by application. Further information and application packages are in the counselling office.

ACE IT CARPENTRY

Our carpentry program is offered on Thursday evenings and all day Friday over the school year. The final exam is written at Camosun College. Students should also register in the SSA program to complete apprenticeship hours in the trade. Students finish with the level 1 in-school technical training component of the carpentry training program. Prerequisite: Woodwork 9/10 or Carpentry & Joinery 11/12.

ACE IT PROFESSIONAL COOK TRAINING

The professional Cook Training program is offered in one full semester in our school cafeteria. This is an intensive program that requires grade 11 or 12 students to be enrolled in the program full-time for one full semester, and to work as an apprentice in the trade. There is a 6 week followup course at Camosun College that is also required to complete the level 1 in-school technical training component. Prerequisite: SSA or Work Experience in food industry. Prerequisite: successful completion of 2 Cafeteria courses.

DUAL CREDIT FOUNDATION PROGRAMS

Automotive, Electrical, Plumbing, Welding, Sheet Metal, Horticulture, Cosmetology, Health Care Assistant

GISS has partnered with Camosun College and Saanich School District to offer programs that will allow students to earn both credit towards secondary school graduation and begin a post-secondary program. Students must enroll in prerequisite courses specific to the DUAL CREDIT program of choice. Upon successful completion of the program, students will earn dual credits towards secondary school graduation and first year college programs. Entry into these DUAL CREDIT programs is by application. Courses are offered at Camosun Interurban Campus.

WORK EXPERIENCE COURSES

These career-oriented courses are intended to prepare interested students for the world of work, or to assist students in exploring work related interests in pursuit of further post secondary education and training. All work experience placements are individually developed and monitored by the school counselors in consultation with the District School-Community Liaison Coordinator. Students are required to participate in a school-based orientation process and/or interview prior to placement.

COURSE DESCRIPTIONS

ART EDUCATION

At GISS we offer a high-quality Visual Arts program. Students can choose an Art course in each of their four years, and students who are pursuing a career in Art can work with our Art department to develop a professional portfolio. There is an optional fee for all Art courses to enable us to purchase a wider variety and higher quality of materials for student use.

ELECTIVE COURSES

VISUAL ARTS 9 & 10

The junior Art program builds technical and visual skills, promotes the understanding and appreciation of art, and encourages confidence and self-discipline. Students will practice drawing, painting, graphic design (including printmaking) and sculpture.

ART FOUNDATIONS 11 & 12

The object of these courses is to heighten perceptual awareness, develop aesthetic sensitivity, and develop students' potential. Students will practice drawing, painting, graphics, sculpture, and various printmaking techniques. In addition, it is expected that they will explore their ability to be creative, communicative, expressive, and interpretive.

CAFETERIA PROGRAMS

ELECTIVE COURSES

CAFETERIA 9 & 10

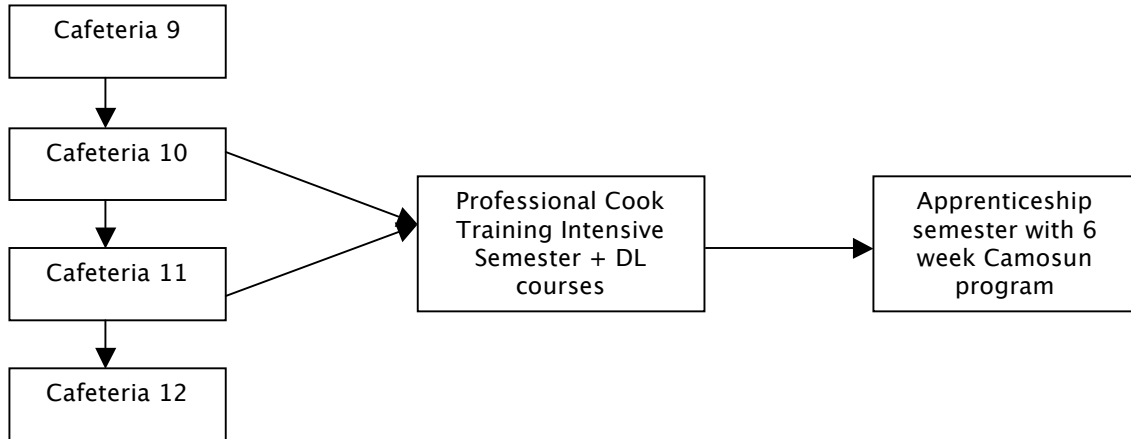
In this program, students earn Food Safe certification. They learn basic cooking & baking techniques, and produce and serve lunch every day for students & public.

CAFETERIA 11 & 12

In the senior cafeteria program, students earn Food Safe certification and continue to build their knowledge of basic cooking & baking techniques. They continue to produce and serve lunch every day for students & public, including outside of timetable catering. There is opportunity to participate in cooking competitions.

ACE-IT LEVEL ONE PROFESSIONAL COOK TRAINING (PC1)

The GISS Professional Cook Training program includes one intensive semester, an apprenticeship, and a 6 week follow up course taken at Camosun College. In the intensive semester, students will be working full-time on this practical program. Additional courses can be completed through our Self Directed Learning Program in both the intensive semester and the apprenticeship semester to ensure graduation requirements are met.



COMPUTER AND DESIGN COURSES

ELECTIVE COURSES

DRAFTING AND DESIGN 9 - 12

Drafting and Design, otherwise known as CADD, focuses on creating increasingly complex technical drawings using computer software. Initially students complete general drawings using AutoCADD, and then can opt to create 3D drawings using SolidWorks. Students become competent and confident in computer use in general skills and drafting and design skills in particular.

INFORMATION TECHNOLOGY 9 - 12

This series of increasingly complex computer courses allows students to choose 2 modules per semester in the areas of Drafting and Design, Presentations and Spreadsheets, Web Page Design, Programming, Database Construction and 3D Animation. Each area is divided into multiple modules. Students become competent and confident in computer use in general and develop skills in relation to the modules they choose. The nature of the course delivery lends itself better to students that are independent learners or have a keen interest in the subject areas.

MEDIA ARTS 10 -12

This series of courses focuses on creating art using technology. Topics include photography, editing digital photos , two dimensional animation, digital video, vector art and graphic design.

YEARBOOK 11 & 12

In yearbook 11 and 12, students design and create the GISS yearbook. You will learn photography, journalism, graphic design and publishing skills. You will produce a book that will be used to remember this year for many years to come. Significant emphasis is placed on meeting deadlines.

DANCE

Our Dance program is a demanding curriculum of Jazz, Ballet & Modern Dance styles and choreography. Full class and small group choreography for the stage are included. The program is designed so dancers work at their skill level, regardless of grade. Placement is determined by recommendation of previous dance teachers, or by performance assessment at the beginning of the semester.

Equipment required:

Women: black leotard, black 3/4 length dance pants, black ballet slippers with elastic

Men: black T-shirt, black sweat pants, black dance shoes

ELECTIVE COURSES

DANCE LEVEL 1, 2, 3, 4

Students who are new to dance, regardless of their grade, should take Level 1. Each course builds on the previous course. Students focus on development of Jazz, Ballet, and Modern Dance techniques at increasingly complex levels in full class and small group choreography. Students learn terminology, stagecraft, anatomy, physiology, and injury prevention.

DANCE 11: CHOREOGRAPHY

This advanced level course can be taken by permission of the teacher only. The demanding curriculum investigates elements of movement and theories of dance composition. Students are responsible for creating several small & large group choreography pieces.

DRAMA

At GISS, students have a tremendous range of Theatre courses to choose from. Students planning to enter university directly after high school (ie without transfer from college) are normally required to have a fine art credit at the Grade 11 level. Some faculties may waive this requirement. Check with the individual institution. We offer Acting 11 and Theatre Production 11 which both meet this requirement. Beginner level courses are not required but are foundational in preparing students for senior courses.

ELECTIVE COURSES

DRAMA 9 & 10

Drama 9 and Drama 10 are process based, developmental courses. These courses provide students with the opportunity to acquire and develop a range of drama skills and a repertoire of vocabulary and forms including: improvisation, role dramas, script work, ensemble building, mask work, clowning and collective creation. A final production is often created as a final product to the process.

ACTING 11 & 12

Acting 11 and Acting 12 are performance-based courses focusing on actor training. Units include a moresophisticated exploration of the rudiments developed in the jr. program with an emphasis on performance technique. Theatre history, script analysis, acting styles, design elements and theatrical structure combine to enable students to produce a final production.

THEATRE PRODUCTION 11 & 12

Theatre production 11 and 12 focus on unifying design elements such as sets, props, costumes, lights, sound, make-up, promotion and theatre structure and is often offered to facilitate the production of Acting 11/12 students' final productions.

DIRECTING 11 & 12

Directing 11/12 is for the students who have done everything else in the program and are ready to take the reins and create their own show. From the directorial play analysis through to auditions, rehearsals, design elements and production details the directing students do it all and often out side of the timetable.

ENGLISH

All students must successfully complete Language Arts 12 for graduation in British Columbia. The pathways for Language Arts are designed for students to reach their individual potential. We recommend that students choose courses to match strengths, interests and goals. An additional consideration is that the post-secondary institutions in BC have different entrance requirements with regard to high school English courses. Students should consult university and college calendars to determine entrance requirements for the faculties or programs they wish to pursue.

EXAMS: All English and Communications courses have final exams except where noted in the course description. Provincial examinations occur at the grade ten and twelve levels.

REQUIRED COURSES

ENGLISH 9 - 12

The English department offers a program for all students. Students will read from a variety of genres and will develop and refine individual writing skills. English curriculum includes increasing sophistication in: poetry, short stories, novels, drama, media awareness, language usage & grammar, creative writing, paragraph & essay writing, listening & speaking skills. Most universities and colleges require English 12 for entrance. English 12 First Peoples may be substituted. Please check university requirements.

COMMUNICATIONS 11 & 12

The Communications English route is an important one for those students who really want to develop their skills in a practical, informed manner. Reading speed, reading fluency, writing in a variety of genres, including resumes, business letters, personal letters, and aural and oral fluencies are key. There is a provincial examination for Communications 12. Once a student feels competent in his/her English skills, he/she may wish to pursue English 12.

ENGLISH 12 FIRST PEOPLES

English 12 First Peoples is the academic equivalent of English 12. The course is designed to enable students to develop the English language and literacy skills and capacities they must have in order to meet British Columbia's graduation requirements. The course focusses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text - including oral story, speech, poetry, dramatic work dance, song, film, and prose (fiction and non-fiction).

ELECTIVE COURSES

LITERATURE 12

This course is a sampling of English Literature beginning with the Anglo-Saxon period through Medieval, Elizabethan, Seventeenth, and Eighteenth Centuries, Romantic and Victorian and 20th century periods. The student will study not only individual selections of prose, poetry, and drama but also the intellectual and social history of the periods. Optional government exam.

ENGLISH AS A SECOND LANGUAGE

This series of courses is designed for English as a Second Language (ESL) students who need ongoing support and instruction in basic English skills. The focus is on improving oral and written communication, and comprehension skills to aid in academic success. Units of study include: English language use in problem solving, reading, writing and speaking. This course embraces and celebrates all cultural origins as part of its content.

ADVANCED PLACEMENT LITERATURE outside the timetable

An Advanced Placement program is also offered in English Literature and Composition outside of the regular timetable for students who may be interested in preparing to write the AP English exam each May. Contact Peggy Williams-Gerlach or Ray Colleran for information.

FRENCH IMMERSION

We offer a full French Immersion program at GISS. This program is a continuation of the Late French Immersion or Early Immersion program at the Elementary level. Therefore, students are required to have attained a certain level of proficiency in order to sign up for the Secondary level Immersion program. Students who successfully complete the Secondary French Immersion program will reach a bilingual status and will be awarded a bilingual Dogwood certificate. This certificate opens the doors to a number of post-secondary opportunities pursuing studies in French. The program involves taking 3 courses at the Grade 9 and 10 levels, and an intensive semester in grade 11 ending with the Provincial Exam. Students generally stay with the same cohort throughout the program and benefit from many extra cultural activities as part of the program. All courses are required to receive a dual Dogwood graduation.

REQUIRED COURSES

FRANÇAIS LANGUE SECONDE 9 - 12

The French Immersion Language Arts picks up from the grade 6 to 8 French Immersion Program at the Middle School and extends the scope in greater depth. Instruction is given solely in French. Reading, listening, writing and speaking skills increase in sophistication. There is a consistent emphasis on the use of French in the classroom. The multi-faceted French culture will be understood and enjoyed through the study of poetry, short stories, novels, drama, media texts spanning the last three centuries. In Grade 11 and 12 special attention will be given to analysis of literary forms, elements, techniques and stylistic devices to enhance writing skills. Students will have the opportunity to demonstrate their speaking skills by participating in a B.C. wide "Concours d'Art Oratoire". The FRALI 12 provincial exam counts for 40% of the final mark and is mandatory to successfully complete the Program.

SCIENCES HUMAINES 9 - 11

Sciences Humaines is an integral part of the French Immersion Program where the instruction is solely in French. It follows the same Ministry guidelines as the Socials Studies curriculum; the goal is to improve the student language skills through the study of History from the 17th to the 20th century, major geography concepts and informative current events. Through activities such as individual or group research and presentations, with the help of technology, the students will develop their oral skills. The Sciences Humaines Provincial examination in Grade 11 is a translation of the Socials examination and counts for 20% of the final mark.

MATHEMATIQUES 9

The content of Mathématiques 9 is the same as its English Math 9 counter part with the sole exception that the program is delivered entirely in French.

PLANIFICATION 10

The content of Planification 10 is the same as its English Planning 10 counter part with the sole exception that the program is delivered entirely in French.

EXCHANGE OPPORTUNITIES

Student exchange opportunities are also offered to French Immersion students at the grade 10 and 11 levels. Interested candidates can benefit from a fully funded 3 month exchange with Quebec offered by the BC Ministry of Education.

There is also the possibility for all students of participating in a 3 month France exchange at a minimal cost through OSEF. Other summer exchange programs and French camps will be proposed to students as a way to enhance their immersion experience. Information on all these programs will be distributed to all French Immersion students by classroom teachers in the appropriate timeline.

GRADUATION TRANSITIONS

REQUIRED COURSES

PLANNING 10

Planning 10 provides opportunities for students to plan for successful learning in the Graduation Program, explore a wide range of career and post-secondary education and career options, think critically about health issues and decisions, develop financial literacy skills, and plan the actions required to pursue post secondary destinations and career paths. The Graduation Transitions program is also explained in this course. Planning 10 is a required course for Graduation.

GRADUATION TRANSITIONS

Graduation Transitions is a program that must be completed between grades 10 and 12. It is mandatory for graduation. The program consists of 3 pieces, guided by homeroom teachers:

- 150 minutes a week of documented Physical Activity
- 30 hours of volunteer work or work experience
- A transition plan

If you wish extended details on the Graduation Program, please visit the Ministry of Education's website at: www.bced.gov.bc.ca/graduation

HUMAN SERVICES EDUCATION

OPTIONAL COURSES

LEADERSHIP 10, 11, 12 outside the timetable

This course enrolls students in Grades 10 - 12 and may be retaken at each grade level. This course meets at least once a week at 8:15 am and/or the lunch hour. It also requires a substantial amount of time outside class meetings. Students work together in cross-grade teams to complete assigned and optional projects ranging from spirit activities for the student body to service projects in the community.

PEER COUNSELLING 11 & 12 outside the timetable

Students learn and practice communication skills and entry-level counseling skills. Students will also learn about specific health and living issues that can affect students. Once trained, Peer Counsellors provide service to their fellow students on a schedule outside of class time.

PEER TUTORING 11 & 12

Students can receive credit in Peer Tutoring by providing academic support, homework review and encouragement to fellow students. Opportunities include assisting students in classes or the Learning Resource Centre, assisting teachers in the classroom, helping at SIMS or Salt Spring Elementary, or providing one-on-one tutoring to fellow students. Training is provided in class at the beginning of the semester and PT meetings are scheduled at alternate times. These meetings provide tutors with professional development opportunities to learn about learning differences, tutoring strategies and available community support services.

MATHEMATICS

All students must successfully complete a Math 11 course for graduation in British Columbia. Most universities and colleges require at least a mathematics 11 course for entrance. Check individual university and college entrance requirements to be sure which specific course is required.

EXAMS: All Math courses have final exams. Math 10 courses have a required Provincial examination, and there is an optional provincial exam for Principles of Mathematics 12.

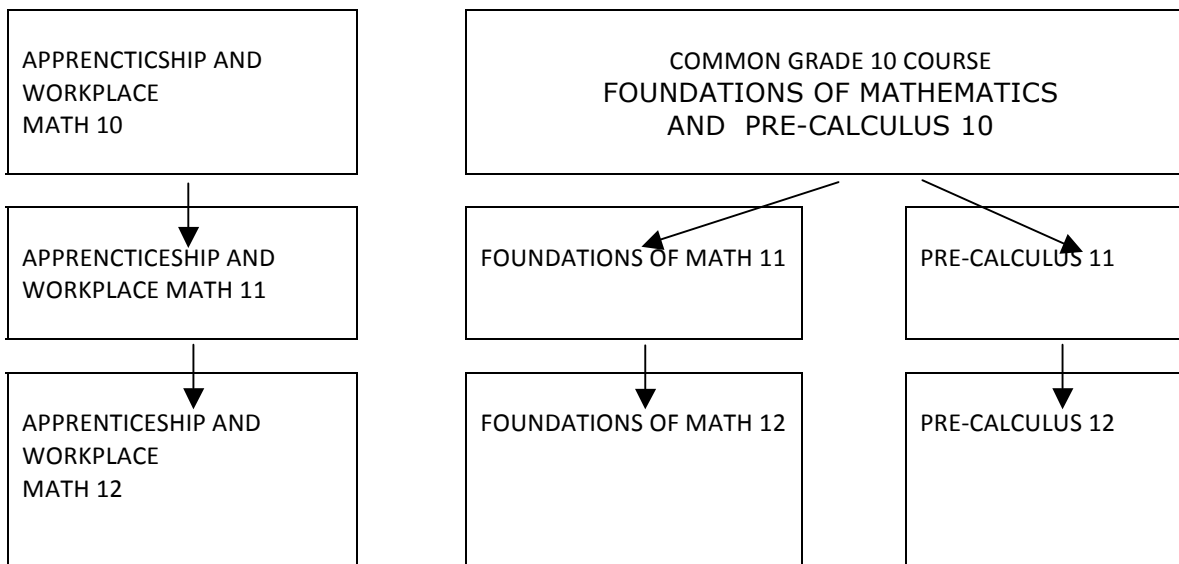
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EXAMS: All Math courses have final exams. Math 10 courses have a required Provincial examination, and there is an optional provincial exam for Principles of Mathematics 12.

REQUIRED: MATHEMATICS 9

Mathematics 9 continues the path students have been taking in mathematics K-8. Studies will continue in pattern, variables and equations, measurement, 3D objects and 2D shapes, transformations, data analysis and chance and uncertainty.

There are three new pathways for math 10–12. The new math 11 courses will be available starting September 2011, with the math 12 courses changing in 2012. It is not advisable to undertake both Math 11 and Math 12 in the school year 2011/2012 as the math 12 course will NOT follow from either of the math 11 courses.



REQUIRED: Choose one grade 10 course.

APPRENTICESHIP AND WORKPLACE MATHEMATICS 10

This pathway is designed for entry into the majority of trades and for direct entry into the work force. Topics include working with formulas, financial mathematics, measurement and geometry. If you enjoy working on projects or hands-on activities, or intend to pursue a trade or technical job (with the exception of Electrician), this would be the best choice.

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10

This course will lead into either the Foundations 11/12 pathway or the Pre-calculus 11/12 pathway. Students are strongly encouraged to research their choices for post-secondary studies and career opportunities to decide which pathway is most suitable for their studies.

IT IS POSSIBLE TO TAKE MORE THAN ONE PATHWAY, BUT MOVEMENT FROM ONE PATHWAY TO THE OTHER WILL NOT BE POSSIBLE. For example, if a student starts in the Apprenticeship and Workplace pathway, but later decides to enter one of the other pathways, he/she will first need to take Foundations of Mathematics and Pre-calculus 10. The content of each of the three pathways is quite different, and the grade 12 courses will require the knowledge of the grade 11 courses in the same pathway.

REQUIRED: Choose one grade 11 course

FOUNDATIONS OF MATHEMATICS 11

This course is strongly recommended for students who are planning on pursuing post-secondary studies in the arts or the humanities. Topics studied may include logic and reasoning, functions, geometry, and statistics. Students who successfully master the learning outcomes of this course may continue on to Foundations of Mathematics 12. This course satisfies the Ministry of Education's mathematics graduation requirements. Students who are planning on pursuing post-secondary studies in math or sciences should take Pre-calculus 11.

PRE-CALCULUS 11

This course is strongly recommended for students who are planning on pursuing post-secondary studies in math or sciences. Topics covered may include relations and functions, trigonometry, polynomial functions, and graphing. Students who successfully master the learning outcomes of this course may continue on to Pre-calculus 12. This course satisfies the Ministry of Education's mathematics graduation requirements. Students who are planning on pursuing post-secondary studies in the arts or the humanities should take Foundations of Mathematics 11.

APPRENTICE AND WORKPLACE MATHEMATICS 11

This course is strongly recommended for students who are planning on entering the workforce directly after high school, or who are planning on pursuing a career in the trades industries. Topics covered may include reasoning, rates of change, measurement, and statistics. Students who successfully master the learning outcomes of this course may continue on to Apprentice and Workplace Mathematics 12. This course satisfies the Ministry of Education's mathematics graduation requirements. .

ELECTIVE COURSES

PRINCIPLES OF MATHEMATICS 12

Principles of Mathematics 12 is an optional academic course for students who will need a mathematics course for entrance into university. It is recommended that students intending on taking Calculus 12 also take Principles of Mathematics 12.

CALCULUS 12

Calculus 12 is an optional academic course intended to prepare students for post-secondary studies in scientific fields. It is a locally developed course for students who will encounter Calculus in their chosen field and requires a very high degree of motivation and interest. Calculus 12 and Principles of Mathematics 12 can be taken concurrently.

MODERN LANGUAGES

At GISS, students have a wide range of language courses to choose from. Students planning to enter university directly after high school (ie without transfer from college) are normally required to have credit for second language study through Grade 11. Some faculties may waive this requirement. Check with the individual institutions. We offer French 11 and Spanish 11 which both meet this requirement. Beginners level courses do not generally meet the requirement.

ELECTIVE COURSES

FRENCH 9 - 12

The French program picks up from the grade 5 – 8 Core French program and extends the students' learning with increasing sophistication. The courses build on each other so should be taken sequentially. There is a strong emphasis on communication skills acquired through an experiential approach and an appreciation of French culture. Students can expect to speak more French each year and attain a functional level of fluency by Grade 12. They can elect to write the optional French 12 government exam by the end of the program. Depending on enrollment, French 12 may be offered in alternating years only. Grade 11 students should check with their counselor and possibly take French 12 in their grade 11 year.

BEGINNERS SPANISH 11

SPANISH 11 & 12

The Spanish program begins with the beginner level course, which students can take before grade 11, with increasing sophistication in subsequent courses. The courses build on each other so should be taken in order. Students engage in reading, writing, listening and speaking activities in a communicative, experiential approach. Completion of Spanish 12 prepares students for the optional government exam.

MUSIC EDUCATION

At GISS, students have a tremendous range of Music courses to choose from. Students planning to enter university directly after high school (ie without transfer from college) are normally required to have a fine art credit at the Grade 11 level. Many music courses meet this requirement. Some faculties may waive this requirement. Check with the individual institutions. All music students are required to wear black, formal attire for semester end performances and bring their own instrument to use in class.

ELECTIVE COURSES

MUSIC COMPOSITION 9 - 12

This series of courses explores classical, pop, rock, and world music genres with increasing complexity. In addition to the playing and theory components of the course, students are expected to use technology and participate in public and classroom performances. Students will be assessed through their classroom participation, theory work, performances, and the compositions they create.

JAZZ BAND 9 - 12

Students must audition for placement in Jazz Band; auditions are held in September. This series of courses focuses on improvisation, solo playing, and theory. A variety of genres are explored, including jazz, rock, funk, and blues. There is an expectation that students will participate in festivals and performances. Black performance clothing and an instrument are needed.

CONCERT CHOIR 9 - 12

This full year course is offered outside the timetable (mornings before school), and placement is determined through an audition held in September. Choir is open to students from grades 9 – 12 and explores several concepts in vocal music, including ear training and work in 3 – 4 part harmony or even 6 part harmony in the advanced choir. It is expected that students will participate in performances and formal black performance clothing is a requirement.

JAZZ CHOIR 9 - 12

This full year course is offered outside the timetable (mornings before school), and placement is determined through an audition held in September. Students must have strong music reading skills to be successful. This series of courses focuses on developing performance skills through mastery of the voice and ear training, as well as independent line reading. There will be exposure to a variety of musical styles and repertoire, and an emphasis on performance. Formal black clothing for performances is required.

GUITAR 11 & 12

In these courses, students will explore different styles of music, ranging from pop, rock, to classical music. Students will learn theory, composition, symbols, rhythm, and technical terms, in addition to reading notes and chords. There is a focus on performance, compositions and reading music. While students do not need experience to enter this course, they need to bring an acoustic or classical guitar to use in class.

PHYSICAL EDUCATION

All students must successfully complete a Physical Education 10 course for graduation in British Columbia.

REQUIRED COURSES

DAILY PHYSICAL ACTIVITY

Grade 9 students are required to participate in physical activity for 30 minutes every day, at lunch or at home after school, and to keep a record of their activity. Students in grades 10 – 12 are required to participate in 150 minutes of physical activity every week and to keep a record of their activity. This documentation is kept by homeroom as part of the Graduation Transition portfolio that is required for graduation.

PHYSICAL EDUCATION 9 & 10

In Physical Education 9/10 students will play a variety to individual/dual sports (weights, running badminton, pilates) and team sports (volleyball, basketball, soccer, rugby softball, ultimate, flag football, indoor soccer, lacrosse, street hockey, and handball). Marking is based on written tests, skill tests, fitness logs, and participation. Students will be introduced to the basic components of fitness, and a healthy lifestyle.

ELECTIVE COURSES

PHYSICAL EDUCATION 11 & 12

This class is designed to introduce students to a wide range of sports and leisure activities. In this class, we do some of the traditional sports and activities, but strive to include lifetime activities such as golf, tennis, swimming, rock climbing, hiking, skating, archery, yoga, and scuba. The theory section of these courses focuses on injury prevention and management, exercise physiology, exercise program design, considerations for different populations at different stages of life, opportunities for recreation in a community and careers in recreation.

PE AIDE 11 & 12

The PE Aide 11/12 class allows students to get some leadership experience. PE Aides help the teacher organize drills and games, encourage and help students to improve their confidence and skills in a variety of sports, lead warm-up activities and referee and coach games.

SCIENCES

All students must successfully complete a Science 11 course for graduation in British Columbia. Most universities and colleges require at least one of Biology, Chemistry or Physics for entrance. Check individual university and college entrance requirements to be sure what you'll need.

EXAMS: All Science courses have final exams except where noted in the course description. Science 10 has a required Provincial examination.

REQUIRED COURSES

SCIENCE 9 & 10 plus one Science 11 course from below

The junior Science curriculum has 3 main components: Life Science, Physical Science, and Earth and Space Science. Topics include genetics and human reproduction, electricity and magnetism, radioactivity, chemicals, and reactions, and earth forces. Assessment includes assignments, quizzes, and tests, as well as the required Provincial Exam.

ELECTIVE COURSES (one Science 11 is REQUIRED)

BIOLOGY 11

Biology 11 follows the development of cells over time, from simple to complex organisms. There is an emphasis on plants, insects, mammals, and their specific adaptations. Students will be expected to evaluate, assess, defend, hypothesize, and develop their critical thinking skills, as well as manage extensive scientific terminology. This course also considers ecological diversity, and the economic importance of microorganisms, fungi, plants, and animals.

BIOLOGY 12

It is recommended that students take Biology or Chemistry 11 before choosing Biology 12 as an elective. In this course, students will explore animal and plant Biochemistry and Physiology, human Physiology and Anatomy, and unifying themes including homeostasis and control mechanisms. Assessment includes assignments, tests, and a class final exam. The Biology 12 Provincial exam is optional.

CHEMISTRY 11

In Chemistry 11, students will survey principles and practices of chemistry. They will conduct some lab work to demonstrate major chemical principles. It is recommended that students choosing Chemistry 11 take Principles of Math 10 as there is an emphasis on the mathematical aspects of science; students must be able to deal with ratios and other simple mathematical functions.

CHEMISTRY 12

It is strongly recommended that students take Chemistry 11 and Principles of Math 11 before choosing Chemistry 12 as an elective. In Chemistry 12, students explore the rates of chemical reactions, chemical equilibrium, acids, acid-base concepts, oxidation-reduction reactions, and the solubility of compounds. Assessments include tests, labs, quizzes, assignments, and a class final exam. Students will need a scientific calculator. The Chemistry 12 Provincial exam is optional.

PHYSICS 11

Physics 11 is strongly recommended for students planning further studies in Science, Engineering, or any Medical field. It is also strongly recommended that students choosing Physics 11 take Principles of Math 10. Physics 11 introduces the basic concepts in Physics: position, speed, and acceleration. The course covers Newtonian Mechanics, including forces and gravitation, Newton's laws, momentum, work, and energy. The course ends with units on waves, optics and special relativity. Assessment includes tests, labs, quizzes, and assignments, as well as a class final exam.

PHYSICS 12

Physics 12 is strongly recommended for students planning further studies in Science, Engineering, or any Medical field. It is strongly recommended that students take Physics 11 and Math 11US before choosing Physics 12 as an elective. Physics 12 extends the topics covered in Physics 11 into two dimensions, thereby requiring the application of trigonometry. These topics include vectors, kinematics, dynamics, work and energy, and momentum. Topics specific to this course include equilibrium, circular motion, gravitation, static electricity, circuits, and electromagnetism. Assessment includes labs, assignments, tests, quizzes, and a class final exam. The Physics 12 Provincial exam is optional.

SCIENCE AND TECHNOLOGY 11

Science and Technology covers units that explore many relevant issues today. Students will learn about leisure and recreation technology related to lifestyle choices, defense technology, and communication and exploration, including computers, space and transportation. Other topics include the environment and resources, including pollution and energy issues, human requirements, such as medicine and food production, and how technologies affect our lives. Assessments will include tests, assignments, quizzes, and a class final exam. NB Science and Technology 11 is NOT accepted by universities as an academic science course, but it satisfies the Grade 11 science requirement for graduation.

SELF DIRECTED LEARNING (SDL)

Senior students who are strong, self-directed, independent learners have the opportunity to complete courses independently with teacher supervision and support rather than in a traditional classroom setting. Entry into this program requires consultation with a school counsellor and an interview with an SDL teacher within the first week of the semester. Courses are offered in a variety of ways, but we emphasize the use of technology and the development of Web2.0 knowledge. Collaboration is encouraged, so students should sign up for courses with others. In many cases, students are designing course material as they progress through the course, so a high degree of self-discipline, motivation, and creativity are necessary. A fee for course materials may be requested in certain cases.

COURSES OFFERED

ACCOUNTING 11 (ebus)

This introductory course covers the fundamentals of accounting, including: transaction analysis, debit/credit, relationship between assets, liabilities and owner's equity, general journal, general ledger, trial balance, worksheets, and financial statements.

ACCOUNTING 12 (ebus)

Accounting 12 is a continuation of Accounting 11, using more advanced procedures. Students will complete a project demonstrating knowledge of the complete accounting cycle and will conduct research into careers in accounting, and complete a number of online projects and activities

BEGINNER'S LANGUAGE 11 (Rosetta Stone)

The Distributed Learning Centre offers many languages at the beginner level through our online Rosetta Stone program. Languages available include German, Japanese, Mandarin, Spanish, Italian, Latin, Polish, Farsi, Russian and more. Students study the language of their choice through an online immersion program that includes listening, reading, writing and speaking and can be accessed over the internet at school and at home. Cultural studies are included as part of the program.

FAMILY STUDIES 10, 11, 12

The aim of the Family Studies 10 to 12 curriculum is to provide students with the knowledge, skills, and attitudes that will assist them in making informed decisions related to parenting, adolescence, adulthood, family and interpersonal relationships, and housing and living environments. These courses are self-directed and self-designed. Students need strong organizational and planning skills to be successful.

FITNESS FOR LIFE 12

This course entails all aspects of learning to develop a healthy lifestyle. Developing a high functional level of fitness is central to the course. Class work includes but is not limited to basic anatomy, physiology, basic kinesiology principles, nutrition and basic fitness program design. Assessment will involve semester long projects, power point presentation and fitness results. This course is recommended to anyone wanting pursue a career in an area of sport, health and well being. Credit can be granted by Camosun College.

FRENCH 12 Advanced Placement (Juan de Fuca DL School)

French Immersion students wanting to continue their studies can take this online course.

INDEPENDENT DIRECTED STUDY

This course is intended to allow students an opportunity to delve more deeply into an area of interest or passion. Students must write a thorough proposal outlining the 100 hour course they are designing and including performance and assessment criteria. The proposal must be approved by the SDL team of teachers within the first week of classes.

MARKETING 11

Marketing provides students with opportunities to examine the nature and role of marketing in local and global contexts. They learn how marketing helps businesses determine and meet customer needs, how businesses present a variety of products and services, how marketing helps individuals and firms become and remain successful, how businesses operate most effectively when individuals recognize their roles and responsibilities as consumers and producers, and how consumer decisions influence the marketplace.

PSYCHOLOGY 11 & 12

These courses engage in topics such as sleep and dreams, hypnosis, drug abuse, memory, motivation, (biological and social needs, hunger, sexual behavior, cultural diversity, achievement, eating problems), adolescence and adulthood, personal and social changes, stress and coping, anxiety disorders, mood disorders & schizophrenia, therapies, aggression, and genetics. Offered through ebus.

SOCIAL JUSTICE 12

A progressive, democratic country values diversity and inclusion. The goals of Social Justice 12 are that students acquire knowledge that allows them to recognize and understand the causes of injustice, apply critical thinking and ethical reasoning skills to a variety of social justice issues, develop an understanding of what it means to act in a socially just manner, and become responsible agents of change, making positive contributions toward a socially just world.

SUSTAINABLE RESOURCES 11

This course looks at Agriculture, Fisheries, Forestry, Mining, and Energy along with career opportunities. Focus is on the following key themes: role & importance of resources in society, First Nations, Métis, and Inuit (FNMI) perspectives, sustainability and conservation, environmental responsibility and stewardship, stakeholder roles, responsibilities, and contributions, economic influences and impacts, political influences and impacts, innovation, research, and technology.

WRITING 12

Following the guidelines of the Ministry curriculum, there is a heavy emphasis in Writing 12 on developing individual style. Considerable self-discipline and maturity are expected of the student. Writing 12 is an incredible opportunity to explore two genres in depth: poetry and fiction. Students are required to produce a specified number of pages of material in each genre studied and will be expected to engage in workshop criticism through regular weekly submission of material and meetings. There is no final exam for this course.

GISS ACADEMIC COURSES

The following courses may be studied in SDL as an option: Social Studies 11, Geography 12, History 12, Comparative Civilizations 12, Foundations of Math and Precalculus 10, English 10 – 12, Communications 11 & 12.

More courses are available at DL Schools and through Camosun and Thompson Rivers University. Tuition fees may apply.

SOCIAL STUDIES

All students must successfully complete Social Studies 11 for graduation in British Columbia. EXAMS: All Social Studies courses have final exams except where noted in the course description. Social Studies 11 and BC First Nations 12 have a required Provincial examinations.

REQUIRED COURSES

SOCIAL STUDIES 9

Social Studies 9 consists of the major changes that took place between 1500-1800 in both Europe and North America. European Exploration, the English Civil War, the French Revolution, Napoleon, and the Industrial Revolution are covered as well as First Nations and European contact, the colony of New France, British and French conflict in the New World and the American Revolution. Geography of these same continents is done as well as an introduction to map skills.

SOCIAL STUDIES 10

Social Studies 10 consists of an examination of the factors that have shaped, and continue to shape, Canada and Canadians. Employing economic, geographic and historical perspectives, students will study the changes that Canada went through from 1812 through to 1914 while the focus moves from the east coast to the west. Geography will consist of Canadian geography and extensive use of map skills. Global geographic concerns are also addressed in this course.

SOCIAL STUDIES 11 (BC First Nations 12 may be substituted)

Social Studies 11 is a multidisciplinary course covering three main topics: Government, History, and Geography. The Government section examines the structure and operation of Canadian politics and government, as well as the rights and responsibilities inherent in being a Canadian citizen. The History unit explores the forces that have united and divided Canadians during the twentieth century, the development of our autonomy and international position, and the evolution of our unique, diverse Canadian identity. The Geography section focuses on the environmental impact of economic activity, population trends, and environmental issues facing Canadians and the world. Student activities include cooperative learning, reading and response writing, discussions, debates, research, formal essay writing, projects, and presentations. This course has a required Provincial exam worth 20% of the total mark.

ELECTIVE COURSES

BC FIRST NATIONS STUDIES 12

Students study the history of First Nations of B.C, their relationship with the land and the impact of European contact from 1770 to the present. The course also explores traditional culture and contemporary issues. The provincial exam is required for all students and this course can be taken in place of Social Studies 11.

COMPARATIVE CIVILIZATIONS 12

In this course, students examine archeological and biological beginnings of humans as well as ancient and modern civilizations and their influence on our world. Cultural elements such as mythology, art, daily life, warfare & philosophy are significant discussions. This course does not use a text book but gains much of it's information from each other through project and discussions. This is an academic course, but may not be eligible for university admission.

GEOGRAPHY 12

Geography 12 is the study of the physical, natural and human elements of the global environment and is particularly concerned with interrelationships and interdependencies among these elements. Geography 12 students will learn about physical geography, including: weather, climate, soils, ecosystems, geology and erosional processes. Students will also learn about human geography, which is the study of patterns and processes that shape human interaction with the environment. The course will provide students with an understanding of how humans shape the planet and in turn are shaped by the planet. Many global and regional environmental issues of importance to Canadians today are discussed in the class. Provincial exam is optional.

HISTORY 12

In History 12, students gain an understanding of dominant social, political & economic forces that have shaped the 20th century from a global perspective. The Treaty of Versailles, interwar period, World War II and the Cold War to the collapse of Communism and the Soviet Union are all studied. Current events will be incorporated into the course whenever links are pertinent. There is an optional provincial exam.

LAW 12

The Law 12 course is designed to introduce students to the basic facts and issues in Canadian law including government, the court system, human rights, provincial and federal statutes, criminal law, and civil law. Other issues of the police, prisons, and a trip to the Victoria court house make the Law 12 classroom is a stimulating and interactive environment where learners are encouraged to participate positively and respectfully in class activities, discussions, and presentations.

MEDIA LITERACY 11

This course is predicated on the understanding that we are the first generation to construct our reality based on electronic images of reality. Movies and television sitcoms promote the fantasy that all of life's problems can be solved by simple narrative solutions. Alfred Hitchcock said that movies were just life with all the boring bits removed. Increasingly, we look for simple solutions to life's complex problems. In this age of electronic media, it is difficult to compartmentalize each aspect of the media without making constant.

SUSTAINABILITY 11

This course is an opportunity for students to learn more about the environment, their place in it and the issues surrounding sustainability, thus empowering them to take responsibility and leadership in creating and maintaining a more environmentally sustainable way of life. The course will follow a project-based learning module and involve hands-on fieldwork, explorations, workshops with community members, and personally chosen projects

TRADES EDUCATION

ELECTIVE COURSES

TECHNOLOGY 9

The main purpose of this course is to develop problem solving and critical thinking skills. Students will have the opportunity to participate in a variety of design and technology based activities. Knowledge gained in these problem solving activities also will also keep development of social learning skills such as team work, leadership roles, decision making capabilities, cooperation and responsibilities. Topics to be covered include: Problem solving; critical thinking; workshop safety; design and research; mechanisms; electronics; structures; computers; manufacturing; materials; hydraulics; lasers; fiber optics and robotics.

WOODWORK 9

TECHNOLOGY EDUCATION 10: WOODWORK

The junior Woodwork program introduces students to various aspects of the cabinet making trade. We begin by studying, designing and constructing a project within specific design guidelines. Emphasis will be given to: awareness and application of wood design; working knowledge of wood (wood species, products, structures, fastenings, and finishing application); safe and correct use of all power equipment and hand tools; a responsible attitude towards fellow students; and maintenance and responsible care of equipment.

TECHNOLOGY EDUCATION 10: METALWORK

This is a course for grade 9 and 10 students interested in learning metal shop skills, through using materials and machines to make useful projects. Shop practice, safety and cleanup and service of tools and equipment are emphasized. Operations and procedures in all metal practices such as: arc welding, oxyacetylene welding, lathe work, drilling, forging, grinding sheet metal work and scroll work are introduced. This is a comprehensive basic metal course. Skill and craftsmanship, with safety, is stressed.

CARPENTRY & JOINERY 11 & 12

This senior Woodwork program includes: exploring aspects of past and present examples of good industrial design and relating this in the design, planning and construction of wood products to a high standard of craftsmanship; using wood and other related materials as they are used in the industry; using various methods of wood surface protection and finishing; discussing problems and difficulties as related to the mass production of wood products in our industrial world. It also includes the refining of design and cabinet making skills and techniques. Students are required to design, plan and craft their own projects.

METAL FABRICATION & MACHINING 11 & 12

The Metal Fabrication & Machining program is a general metalwork program which emphasizes the development and mastery of skills associated with bench work, hand tools, and machine work. Later, emphasis is on the extensive use of machines such as lathe, milling machine and arc welder. The set of courses provides valuable experience for those going on in the machine, sheet metal or automotive trades.