



Whistler Secondary

A Community School Grade 11/12

Course Selection Booklet

2017/18

February, 2017

Dear Parents and Students:

Welcome to course selection at Whistler Secondary School!

We endeavor to offer a wide variety of program options to our students. In an effort to provide these options, we require all students enroll in a full compliment of courses (minimum 8 courses) while at WSS.

Our belief is this provides students with an opportunity to explore various learning options and interests, better prepares students for broad-based entrance requirements for post-secondary schools, allows for a broader range of scholarships and awards opportunities, and affords increased programming options at WSS.

Please take time to become familiar with the courses and processes with your child. Designing your learning plan should include a variety of programming options.

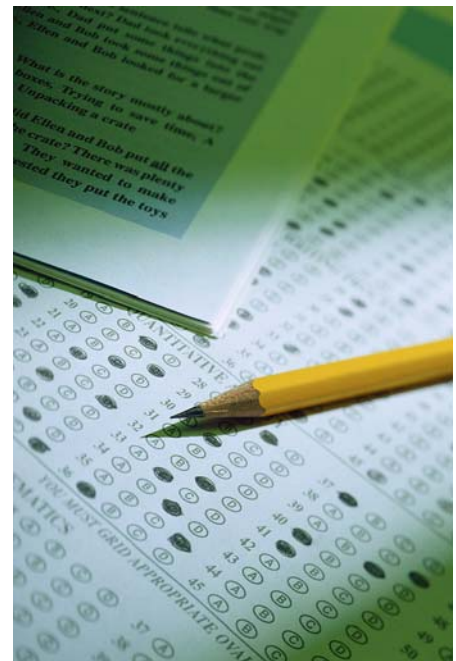
Should you have any questions regarding course planning please do not hesitate to call our school counselor, Mr. Kevin Titus at (604) 905-2581.

Course Planning and Offerings

Course offerings (for elective courses) are based on the selections made by students. Courses will be offered on the basis of sufficient enrollment.

We encourage parents to be involved in their son/daughter's course planning and welcome contact with parents who have questions or concerns.

There are no more provincial exams, except for English 12 for one more year. Students may still have in-class final exams.





COMMONLY ASKED QUESTIONS TO CONSIDER WHEN PLANNING YOUR COURSES

How many courses should I take each school year? All students are required to take 8 courses per school year.

Can I take Online Courses? While online courses are an option, students should consult with administration/counselor before enrolling in an online program. Factors including course availability, prior learning success with online courses, specifically identified learning intentions, post-secondary considerations, and the overall experience of completing an online course is something that should be measured before enrolling.

When should I choose my elective (Selected Studies) courses? You should choose your Selected Studies courses only after considering what your past achievement has been, what career path you would like to follow, and what advice has been given by counselors, teachers and parents.

How do I find out about post secondary institutions' entrance requirements? The best place to go is to the website of each university. Some calendars outlining detailed requirements for specific programs are available from the counselor. All students should re-search their chosen fields of study and make themselves aware of these entrance requirements, and plan their courses at WSS accordingly. You can get post secondary calendars at www.pas.bc.ca.

How do I know what high school courses are required for post secondary entrance? The requirements vary for each institution and program of study, but there are some standard requirements listed in the calendars. Be sure and find out what these are early and take the appropriate courses. For example, Physics 11 and Chemistry 11 are required courses for science programs at university, and French 11 or an equivalent language is required for entrance into most programs at the province's big three universities. (Simon Fraser University - Beginners Language, University of British Columbia, University of Victoria) You can get more information from www.educationplanner.ca.

What do I have to do to earn the \$1250 provincial exam scholarship. You have to have one of the top 8000 averages in the province.

What if I want to change my timetable after I've already selected my courses? If you wish to change your timetable before school begins the following September, please make an appointment with the counsellor who will try and help fulfill your request. If you want to make changes after the term has begun you must make sure you have an educationally sound reason, and discuss this with the counsellor and your parent/guardian.

How does the school decide what electives to offer? All electives (Selected Studies) courses are offered based on student demand and teaching time available within our school timetable.



EARNING ADDITIONAL CREDITS IN THE GRADUATION PROGRAM

Students may be able to obtain high school credit in the following ways. For more information please contact our school counsellor, Mr. Titus.

EQUIVALENCY

Course equivalency is the process of receiving credit, based on documentation which indicated the student has achieved the learning outcomes for an approved grade 11 or grade 12 course outside of the BC school system. Common situations may involve students who have moved from another province or country, or who have credentials from an out of school program that school boards or the Ministry have deemed equivalent.

INDEPENDENT – DIRECTED STUDIES (IDS)

Independent-Directed Studies (IDS) allows students to initiate, develop and complete their own courses under the supervision of a teacher. An IDS course must be based upon the learning outcomes of a Ministry-Authorized or Board/Authority Authorized course. Students may get one, two, three or four credits at the grade 10, 11 or 12 level.

EXTERNAL COURSES

An External Course is an organized set of learning activities that is developed or offered outside the BC School System. Students may earn credit for successfully completing an External Course approved by the Ministry. For example – a student who has completed their Grade 8 Piano through the Royal Conservatory of Music could receive credit for Music 12. The ministry has supplied a list of the External Youth Development Course, Sports Programs, Music Courses, and Industrial and Occupational Courses that will be recognized for Grade 11 or 12 credit. The counsellor has a complete list of all Ministry approved External Courses.

CHALLENGE

If documentation is not available to do an equivalency review, it is appropriate for a student to challenge a course. If a student has not taken the course, but feels that they can challenge the learning outcomes then they may go through the challenge process. There is no cost to challenge a course. If you would like to challenge a grade 11 or 12 language course, you must start the application process in October and the actual exam is in Delta

SPECIAL PROGRAMS

LEARNING ASSISTANCE PROGRAM

1. Learning Assistance provides help to students who have minor to moderate difficulties in learning. Students who are identified for Learning Assistance may receive support in two ways. They may have the help of a teaching assistant within an integrated classroom and work on a program that has been adapted to help them meet the learning outcomes of the course. Alternatively, students may receive Learning Assistance in the form of a nonintegrated block where they may get extra time and help with their coursework from a teacher and/or teaching assistant. In this case, small groups can be targeted for reinforcement of particular concepts, and/or coaching in study habits that might help students achieve more effectively.

2. Student Services provides help for students who have moderate to severe difficulties in learning. Upon recommendation of the Special Education Team, a student may be assigned to an adapted or modified program and supported in two ways. Students receiving Student Services may get help in their integrated class on a modified program with full or part-time teaching assistant support. Alternatively, students may receive intensive remediation in literacy and basic numeracy, as well as instruction in study habits and skills for school success.

PEER TUTORING

Peer Tutoring is a locally developed course for senior students (Gr. 11 or 12) who are interested in providing classroom assistance for junior classes at WSS.

Interested students must be committed to spending one of their blocks to being a classroom tutor. They will be responsible for providing assistance to students and teachers. There are 5 components to the Peer Tutoring Program which must be completed to receive credit:

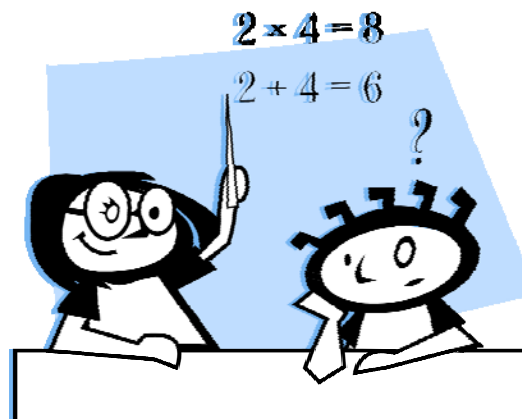
Apply for the program through your counsellor and your course selection form.

Attend the training sessions which will prepare you for tutoring responsibilities.

Each tutor will keep a Day Book or Log of classes outlining the daily duties performed as a Peer Tutor.

A Sponsor teacher assessment form will be completed by the teacher whose class you tutored.

At the end of the quarter, a reflective essay and a project (which is determined during training sessions) will be completed.



What You Need to Graduate**The Graduation Requirements Grades 10 – 12**

You will be working towards 80 credits (equivalent to 20 four-credit courses) required for graduation.

48 credits are required courses, including:	
Language Arts 10 (English)	4 credits
Language Arts 11 (English 11 or Communications 11)	4 credits
Language Arts 12 (English 12 or Communications 12)	4 credits
Social Studies 10	4 credits
Social Studies 11, Canadian Civics 11 or BC First Nations Studies 12	4 credits
Science 10	4 credits
Science 11 or 12 (Biology/Chemistry/Earth Sciences/Physics)	4 credits
Mathematics 10 (Foundations and Pre-calculus or Apprenticeship and Workplace)	4 credits
Mathematics 11 (Pre-calculus or Foundations or Apprenticeship and Workplace)	4 credits
Physical Education 10	4 credits
Fine Arts or Applied Skills 10, or 11 or 12	4 credits
Planning 10	4 credits
Graduation Transition	4 credits
7 Elective Courses (10,11 or 12)	28 credits
You must have a minimum of 16 credits at the Grade 12 level including Language Arts 12 (English or Communications). All ministry-authorized and board/authority approved courses count.	
Total	80 credits

Important Information

Be careful when you drop a course late in the school year – it could be the one you need to graduate. Don't forget that post-secondary institutions often require you to complete specific courses to get into certain programs. Careful planning in Grades 10, 11 and 12 will ensure you have all the courses and credits you need.

Planning 10 (4 credits)

The aim of Planning 10 is to enable students to develop the skills they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life.

Planning 10 provides opportunities for students to plan for successful completion of the Graduation Program.

To explore a wide range of career and post-secondary education and career options.

To think critically about health issues and decisions.

To develop financial literacy skills.

Plan the actions required to pursue post-secondary destinations and career paths.

Students will be introduced to the Graduation Transition in Planning 10 and it will be completed by the end of grade 12.

POST SECONDARY INFORMATION

In planning courses for Grade 11 and Grade 12, you should have some goal(s) in mind for continuing your training or education. Below you will find information listed on some of the post-secondary institutions in our province. For more detailed information, please drop into the Counselling Area.

UNIVERSITIES

There are many public universities in B. C. –the larger ones are Simon Fraser University, University of British Columbia, University of Victoria, University of Northern British Columbia, Thompson River University, and UBC-Okanagan

Generally, admission is based on a percentage that is calculated on English 12 + 3 academic Grade 12 subjects (some out of province schools may require 4 others)

The actual percentage required to secure a place in the 2015-16 school year varied between low 90's for some programs at UBC to low 60's for some of the smaller schools. Students are advised that entrance standards vary among universities and that these standards are subject to change without notice. Checking these requirements with your chosen institution is essential.

The general requirements for Post Secondary admission includes the following:

English 11	English 12
Social Studies 11	Foundations or Pre-calculus Math 11
Foreign language 11(for some)	a Science 11 (Biology, Chemistry, Physics, Esc)
3 academic Grade 12 subjects	
Science majors will require Pre-Calculus Math 12, Chemistry 11 and Physics 11, plus usually 2 science 12's	
Arts majors should have French 12, and for some programs, Math 12.	

Academic Grade "12" subjects that may be offered at Whistler Secondary:

Math 12	English 12	Literature 12	Geography 12
Chemistry 12	Biology 12	Physics 12	French 12
Writing 12 (<i>accepted at TRU & UNBC</i>)	History 12		Law 12
Comparative Civilization 12 (<i>accepted at UVic, SFU, UNBC & TRU</i>)			Calculus 12

COMMUNITY COLLEGES

From vocational to university transfer, Community Colleges offer many types of programs. Mature students can complete high school or high school equivalency and all students can enter either diploma or certificate programs, ranging in length from 2 months to 2 years. Students can also take 1st and 2nd year University Transfer courses.

Tuition fees at Community Colleges are generally less expensive than at Universities. Some programs are available at all community colleges in B. C. and other programs are only offered at one or more of the colleges.

B.C. INSTITUTE OF TECHNOLOGY

B.C.I.T. offers a variety of two-year technology programs in Business, Engineering and Health as well as 4 year degree granting programs. These programs are only open to graduates who meet the specific prerequisites. Students should consult the B.C.I.T. schedule of prerequisites. As well, B.C.I.T. offers a wide range of Trades Training Programs. They vary in length and some programs only require completion of grade 10. Aircraft Maintenance, Appliance Repair, Cook Training, and Forestry Crew Person are examples of some of the specific programs that are available. For more information consult the B.C.I.T. calendar in the counselling area.

APPRENTICESHIP AND EMPLOYMENT TRAINING PROGRAMS

Apprenticeship and trades training opportunities are available while you are in high school. Consult with Mr. Titus, the Career Program Coordinator, at our school. Visit the Apprenticeship and Employment Training counsellors at their offices in the Lower Mainland. Many trades require further training before you can start working. The apprenticeship programs provide you with the opportunity to acquire these skills in over 175 different types of trades.

SAMPLE MARK AVERAGES REQUIRED TO BE ACCEPTED
AT
POST-SECONDARY INSTITUTIONS

These were the averages a student would need to have, to be accepted into several of the faculties at the three main universities in B.C. in September 2016. The marks are usually calculated on the student's best four academic grade 12 course marks (however there are some exceptions). These averages may change slightly every year and may be different if a student is planning on attending a school in an area other than B.C. They are only meant to be used as a guideline.

UBC

Applied Science	high 80's	Human Kinetics	mid to high 80's
Arts	mid to high 80's	Nursing	high 80's
Commerce	high 80's	Natural Resources	mid to high 70's
Forestry	mid to high 70's	Science	mid 80's to low 90's
		(Mid 80's would need personal profile)	

UVIC

Humanities	low 80's	Engineering	high 80's
Social Science	low 80's	Commerce	low 80's
Science	low 80's	Fine Arts	low 80's

SFU

Arts	mid80's	Computing Science	high 80's
Business Administration	high 80's	Engineering	low 90's
Science	high80's	Kinesiology	mid 80's

UBC-Okanagan

Arts	mid to high 70's
Science	mid to high 70's
Visual Arts	mid to high 70's + portfolio
Nursing	mid to high 80's

**MINIMUM ADMISSION REQUIREMENTS FOR VARIOUS
POST-SECONDARY INSTITUTIONS IN BC**

Each program will have different requirements

<u>UBC</u>	<u>UVIC</u>	<u>SFU</u>	<u>UNBC</u>
English 11 Socials 11 F of Math 12 Or Pre Calc 11 Science 11 Language 11	same as UBC except don't need language 11 for many of their programs -accept F of Math 11	same as UBC but will accept Beginner's Language 11 -accept F of math 11	only those grade 11 courses required for graduation
English 12 plus 3 of Biology 12 Chemistry 12 Eng Lit 12 French 12 Geography 12 History 12 F or PC Math 12 Physics 12 Calc 12 and Law 12	will also accept -Comparative Civilization 12 -B of Fine Arts will accept an FA 12 as a 4th grade 12 subject -Law 12	accept CCN 12	need English 12 plus 3 academic 12's from UBC's list -will also accept Comparative Civilization 12 and Law 12 and Writing 12
<u>University Transfer at</u> <u>Capilano University</u>	<u>Emily Carr</u> <u>Institute of Art</u>		<u>BCIT</u> <u>Apprenticeship in</u> <u>Auto Service</u> <u>Technician</u>
only those grade 11 courses required for graduation	-English 12 (min- C) -two other provincially examinable courses		Graduation English 12 (C)
English 12 plus three others from UBC's list of academic 12,s as well as Comparative Civilizations 12 and Law 12 and Writing 12 (min 60%)	-Visual/studio Arts 12 -one other grade 12 course -5 grade 12 courses in total -overall average of C+ -a portfolio of 15 to 20 works		Academic Math 11 (C+)
			-some trades do not require academic math 11

Applied Design, Skills, and Technologies

Home Economics

Grade 10

Food Studies 10

During this action-packed course students will explore the culinary world through hands on practice and project based learning. Along with learning what skills it takes to become proficient in the kitchen at baking and cooking, students will explore nutrition and healthy living, budgeting, careers and current food issues and practices such as global and environmental health issues related to the production and consumption of food. Additionally, we will also study ethnic cooking and students who have not obtained their FoodSafe level 1 certification will be given the opportunity to do so.

Grade 11

Food Studies 11

During this action-packed course students will explore the culinary world through hands on practice and project based learning. Along with learning what skills it takes to become proficient in the kitchen at baking and cooking, students will explore nutrition and healthy living, budgeting, careers and current food issues and practices such as global and environmental health issues related to the production and consumption of food. Additionally, we will also study ethnic cooking and students who have not obtained their FoodSafe level 1 certification will be given the opportunity to do so.

Grade 12

Food Studies 12

During this action-packed course students will explore the culinary world through hands on practice and project based learning. Along with learning what skills it takes to become proficient in the kitchen at baking and cooking, students will explore nutrition and healthy living, budgeting, careers and current food issues and practices such as global and environmental health issues related to the production and consumption of food. Additionally, we will also study ethnic cooking and students who have not obtained their FoodSafe level 1 certification will be given the opportunity to do so.

Textiles 10

In this course students will expand on the basic textiles skills introduced in grade 8. New skills introduced in this course include utilizing patterns, altering patterns, creating wearable garments utilizing advanced techniques, design basics and upcycling. The role of textiles in First Peoples culture will be a component in the course and the focus of a project. Students will have a range of projects to choose from after the required project coursework is completed including knitting, crocheting, quilting, cross stitching, weaving, and paper crafts. Basic materials for this course will be provided, however, if students wish to make a major project or garment to take home they will need to provide the necessary materials.

Information and Communications Technology

Grade 10

Computer Studies 10 Information Technology

This course builds on experience in Programming 9. Emphasis will be on using common programming techniques to solve interesting problems. The course also explores the structure and platforms involved in web based programming.

Graphic Design 10

Nature of Course: Level I is a beginner's course, while Level II is 2nd year course. Want to learn how to use many types of software like Photoshop and Illustrator, combined with design skills, to create various forms of media? Take this course! You create posters, collages, magazines, logos, webpages, blogs, videos, and much more. There is a lot of independent work involved in this fun, creative, artsy, graphic design course. Time flies by in this course because you're doing fun and practical work, learning life-long skills. This course does **not** fulfill the **Applied Skill** requirement for Graduation.

Course Offerings: Level I and Level II **Caution:** This is a course which will require lots of work in class, and no homework, so regular attendance is a must.

Grade 11

Computer Programming 11

Creating solutions and applications on the web using web based programming. Experience with HTML, CSS, Python and JavaScript will be emphasised. Students will have the opportunity to design and create interactive web projects.

Desktop Publishing 11

Nature of the Course: No experience required. Want to learn how to use software like Photo Shop, Illustrator, and much more? Want to learn design skills and create various forms of media? Take this project-based course! If you've taken GLD 9/10, this course gives you the opportunity to develop and grow your skills and creativity. There is a lot of independent work involved in this fun, creative, artsy, graphic design course. The course is enjoyable and it's very practical.

Caution: this is a course which will require attendance. Adults pay big bucks to take these courses later on in life and this course is available to you now.

Grade 12

Computer Programming 12

While pursuing individual interests students will be expected to learn and apply advanced web based programming skills. Proficiency with HTML, CSS, Python, JavaScript will be expected by the end of the course. Student will be asked set goals and develop learning plans based on the role, they believe, information technology will play in their lives after graduation.

Desktop Publishing 12

Prerequisite: Desktop Publishing 11

Nature of Course: Did you like DTP 11 so much that you want to carry on? Want to improve your graphic design skills and creativity while doing work that is practical, fun, and could land you jobs? Take this course! Much like DTP 11, this is project-based. There is a lot of independent work involved in this fun, creative, artsy, graphic design course. It can count as one of the 4 Grade 12 courses required to graduate. **Caution:** This is a course which will require attendance in class.

Technology Education

Grade 10

Engineering 10 (Technology)

This course is an introduction to the field of Engineering. Students who took Engineering 9 will enjoy a similar format with new concepts, and more complex projects. New students will enjoy the challenge of learning engineering principles by building scaled down versions of real life machines. Students develop design and drafting skills as they solve various engineering problems. In grade 10 students focus on pressure systems, circuitry, and gear ratios as they relate to torque and speed. This is a fun, hands on course that fosters creativity, and practical learning of engineering concepts.

Woodwork 10

This course is an introduction to the fine art of furniture making. There is no pre-requisite. Students select from a variety of projects, and are encouraged to add their own personal touch. A variety of skills are taught, which include design and drafting principles, milling procedures, joinery, wood technology, finishing, and the safe and proper use of woodworking tools, both stationary and hand held. Students who have taken Woodwork 9 are encouraged to challenge themselves with more difficult projects, or create their own designs as they learn new skills and techniques.

Grade 11

All the below courses will be offered in the “Skills Exploration 11” course

Independent Studies 11

This course gives that self-motivated student the opportunity explore their own personal interests. Some past examples include:

- “The Tesla Turbine.” The History of the 20th century Master Inventor Nikoli Tesla was studied. Among his many inventions was his famous Turbine that is still in use today. A working model of this turbine was designed and built in the ADST workshop.
- “Electric Guitar.” In this case, a student researched, designed and constructed a cigar box electric slide guitar. You should have heard him sing the blues...
- “Custom Skateboards.” Researching various skateboard designs, and construction methods, the end result was a unique personalized skateboard deck.

For more ideas, go talk to Mr. Mortensen

Robotics 11 (Technology)

Using the Vex Robotics Systems, students will design and construct different robots to solve a variety of “Vex Challenges”. This is a HANDS ON course where students build different machines to solve various engineering challenges. Computer programming is NOT a part of this course, however the Vex System has the capability for autonomous sensor programming should the advanced student choose to go that route.

Trades Exploration – Residential Construction 11

This course is designed to teach students the basics of Residential home construction. This Hands On course explores modern Framing, Electrical, Plumbing, and finishing techniques. Students will also participate in the construction of selected community projects.

Woodwork 11

This is a continuation of Woodwork 9/10, but there is no prerequisite. Students new to this class will begin with the basics and progress at their natural speed. Those who have taken Woodwork 9 or 10 are expected to design and construct their own creations while increasing their skills in design, joinery, finishing, and milling.

Grade 12

All of the below courses will be offered in the “Skills Exploration 12” course

Robotics 12 (Technology)

This is a continuation of Robotics 11. If this is your second year taking Robotics, the engineering challenges increase to include the Vex International Competition Challenges. There is an opportunity to enter such challenges with other schools in the province.

Woodwork 12

For the student who has taken this course throughout their High School career... this is your *Magnum Opus*. For new students to woodworking, this is a great way to challenge yourself with something new, and step out of your comfort zone.

Trades Exploration – Residential Construction 12

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Independent Studies 12

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For more ideas, go talk to Mr. Mortensen

Drama

Grade 10

Drama-Dance-Film 10 (in class)

This course is designed to allow students to develop their interests in drama, filmmaking and/or dance. All students will participate in theatre games and acting skills (voice projection, blocking, staging). Students will also choose performance projects based on their area of interest (film, acting or dance). The end goal of this course is a performance at the Maury Young Arts Centre showcasing the work of the performing arts students.

Drama:Theatre Production 10 (after school practice)

This course is designed around the annual school play. Within this class, students can choose their area of focus from the following: Acting, Stagecraft/Set Design, Music, Costume Design. The final production takes place in early March at the Maury Young Arts Centre and all students are expected to take an active part. This is not only a course for credit, it is an amazing experience where friendships are made, skills are developed and talents are showcased! This course happens after school.

Grade 11

Theatre Production 11 (after school practice)

This course is designed around the annual school play. Within this class, students can choose their area of focus from the following: Acting, Stagecraft/Set Design, Music, Costume Design. The final production takes place in early March at the Maury Young Arts Centre and all students are expected to take an active part. This is not only a course for credit, it is an amazing experience where friendships are made, skills are developed and talents are showcased! This course happens after school.

Grade 12

Theatre Production 12 (after school practice)

This course is designed around the annual school play. Within this class, students can choose their area of focus from the following: Acting, Stagecraft/Set Design, Music, Costume Design. The final production takes place in early March at the Maury Young Arts Centre and all students are expected to take an active part. This is not only a course for credit, it is an amazing experience where friendships are made, skills are developed and talents are showcased! This course happens after school.

Visual Arts

Grade 10

Art Studio 10 (Visual Art)

Nature of Course: This course offers experience in a variety of visual expression areas: drawing, painting, ceramics and design. Students who wish to continue their Art background will have the opportunity to develop projects with assistance/instruction from the Art teacher.

Those with little Art background will have an opportunity to experiment with different media. Emphasis will be placed on imagery, design, and originality. Students are expected to work independently, set their own goals, and be responsible for their production. Students are also expected to be responsible with tools and materials. Students are expected to bring in their own: sketchbook, pencils, rulers, scissors, glue stick, pencil crayons and felts.

This course runs as a grade 9/10 level mix.

Grade 11

Arts Studio 11 (Visual Art)

Nature of Course: Arts Studio 11 offers experiences in a variety of visual expression areas including: drawing, ceramics, and printmaking. Students who wish to continue their art education will be encouraged to develop individual projects with instructor help. The course includes daily sketches, personal portfolio projects and art history projects. Students with a minimum art background will have the opportunity to experiment with different media. Emphasis will be placed on imagery, design, art history and originality. Students also need to bring in a sketchbook and basic drawing materials.

Students will participate in a group exhibition at semester end.

This course runs as a grade 11/12 level mix.

Grade 12

Art Studio 12 (Visual Art)

Pre-requisite: Art Studio 11 or permission from instructor

Nature of Course: Arts Studio 12 offers experiences in a variety of visual expression areas including: drawing, ceramics, and printmaking. Students who wish to continue their art education will be encouraged to develop individual projects with instructor help. The course includes daily sketches, personal portfolio projects and art history projects. Students with a minimum art background will have the opportunity to experiment with different media. Emphasis will be placed on imagery, design, art history and originality. Students also need to bring in a sketchbook and basic drawing materials. Students will participate in a group exhibition at semester end. This course runs as a grade 11/12 level mix.

Independent Drawing and Painting 12

Pre-requisite: Art Studio 12 (or students must have completed the advanced level in at least two visual expression areas or have reached the advanced level in two and are completing those levels concurrently with Art Studio 12). Admission to this course is with instructor permission only.

Nature of Course: This course offers advanced level art students the time to work independently, set their own goals, and be responsible for their own production. Personal project plans will be developed with the Art teacher. The student may use the time to prepare a portfolio for post-secondary institutions or employment, to plan and conduct a showing of work, and/or to participate in work experience programs. Studio Art 12 may draw content from any number of visual expression areas and may be individualized to focus on any of the learning outcomes. Students will participate in a group exhibition at semester end.

Career Education

Planning 10

This course covers a multitude of subjects. The topics covered are: healthy living, resumes, cover letters, interviews, post-secondary options, credit cards, budgeting, cost of living, investing, banking, entrepreneurial opportunities, learning styles, and where they are in the world.

Français langue seconde - Immersion

Grade 10

FSL 10 (French 10)

In French 10, students will continue to develop their language skills as well as gain awareness and an appreciation for French culture. With a focus on portfolio based assessment, students will have a variety of ways to demonstrate their learning with a focus on project based learning. Creativity and expression are emphasized in the course which allows students the opportunity to deepen their learning and create meaningful communicative experiences.

Français Langue 10 (French Immersion)

This course is designed to continue the language development of students by focusing on strategies of communication (adapting their language choice based on the situation and utilizing a variety of expressions.) Students will continue to develop an understanding of the variety of language and culture that exists in the Francophone world. Students will also explore texts by differentiating both abstract and concrete concepts. Poetry and novel studies will also be a focus of this course.

Planification 10

Currently this course is being offered online through the Sea to Sky Online School. The course focuses on career and health. This is a requirement for the dual dogwood.

Sciences Humaines 10 Canada and the World: 1914 to Present

This course will assess 20th century Canadian and foreign political ideologies. Students will interpret and analyze varying political systems and their effects on the Canadian identity. Socio-economic and geographic factors, both foreign and domestic, will be interpreted in order to communicate differing worldviews. We will reflect on the Canadian political dynamic and explore historical and contemporary challenges to inclusivity and multiculturalism.

Grade 11

FSL 11 (French 11)

Students will continue to listen, view and speak French with purpose and intent. Students will experience different creative works from a variety of francophone cultures in an effort to deepen their understanding of the interconnection between language and culture. Students will ask and respond to complex questions. They will also focus on past, present and future timeframes as well as language etiquette.

Français Langue 11 (French Immersion)

This course is designed to continue the language development of students by focusing on strategies of communication (adapting their language choice using “les formules de politesse”, utilizing a variety of expressions and speaking publicly in a variety of situations.) Students will continue to explore the Francophone world while being conscious of what contributes to the differences that exists socially, linguistically and culturally. The role and influence of different media on the values of society will also be explored.

Sciences Humaines 11 – Études Politiques (French Immersion)

Political Studies 11 will communicate the role of the engaged citizen in shaping political decision making and government policy. Political institutions and branches of government (foreign & domestic) will be analyzed and communicated in order to determine the unequal distribution of political and social power. We will recognize the challenges posed by economic and security interdependence with foreign interests as a fundamental basis for international political agreements.

Grade 12

FSL 12 (French 12)

The focus of this course is to refine and increase proficiency in French. While the emphasis on culture and language remains, students will also be asked to share their feelings and opinions and demonstrate an appreciation of Francophone culture. Students will also explore the benefits of becoming more proficient in French. They will also focus on multiple past, present and future timeframes as well as language etiquette.

Français Langue 12 (French Immersion)

This course is designed to continue the language development of students by focusing on strategies of communication (adapting their language choice using negotiation, moderation and reformulation, utilizing a variety of expressions and speaking publicly in a variety of situations.) Students will continue to explore the variety of language and culture that exists in the Francophone world while focusing on the personal, social and professional impact of bilingualism.

English Language Arts

Grade 10

English 10

Students will develop their skills in essay writing, enjoy a novel study, study an assortment of short stories and poetry, and also learn about one or more works in drama. As well, there is a media writing component to this course. It is intended that students will be provided with an overview of different areas of study that they may choose to focus on in grade 11.

Grade 11

English 11

Major goals of the course are to develop the student's learning and achievement in reading, understanding, writing, listening and speaking. Students will continue to learn and grow in the following areas:

Thinking Competencies- critical thinking, creative thinking, reflective thinking

Personal and Social Competencies- positive personal and cultural identity, personal awareness and responsibility, social awareness and responsibility

Communication Competencies- language and symbols, digital literacy

Students will read different kinds of literature for understanding and analysis. Students should expect to read, explain, discuss and develop the ideas raised by the material we cover.

The course will review language and writing basics; parts of speech, sentence analysis, punctuation, paragraphing. Writing assignments will focus on developing skills in personal response, literary essay, research essay and creative writing. There will be opportunities for oral use of language during informal discussions and oral presentations.

Students will work collaboratively and individually on projects, and will develop knowledge and skills with technology and digital media.

Grade 12

English 12

Welcome to English 12! This is a provincially examinable course. While this may be daunting to some it is one of Mr Riley's goals to build confidence in his students by developing the skills, abilities and understandings that will prepare them for this final assessment and beyond. While much of the course is the development of analytical skills, purposeful time is devoted to literary appreciation and enjoyment.

Assessment is growth-based, as student grades are a reflection of their current demonstrations of skills/abilities as well as understandings. Reporting will represent the student's growth over time and throughout the course; and not an average of performance between beginning and ending the semester. While English 12 provincial learning outcomes are adhered to, the primary foci of our assessment is on the following demonstration of skills/abilities:

- Writing a clear, concise and workable thesis
- Integrating direct quotations smoothly from a literary source
- Using text for analysis and not description
- Making clear connections between evidence and thesis

We will be exploring many literary texts, while engaging with new media to gain a deeper understanding as well as a conceptual and transitional understanding of the function of written language. Topics will include:

- The effect of Point of View on readership
- Suspense through film
- Sound vs. Silence
- Existentialism; a conceptual undertaking
- Drama/Performance

Mathematics

Grade 10

Foundations of Mathematics and Pre-calculus 10

Recommended Prerequisite: Mathematics 9

Description: This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies. This course leads to either Foundations of Mathematics 11 or Pre-Calculus 11.

Topics: Operations with powers, relationships among data, graphs and situations, linear relations and solving linear equations, operations with polynomial expressions, primary trigonometric ratios, experimental probability and financial literacy.

Assessment: Assignments, projects, quizzes and tests.

Required Equipment: Scientific Calculator

Apprenticeship and Workplace Mathematics 10

Prerequisite: Mathematics 9 or teacher recommendation

Description: This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. This course leads to Workplace Mathematics 11.

Topics: Problem solving, modelling and interpreting data using graphs and relationships, primary trigonometric ratios, metric and imperial measurement and conversions, surface area and volume, angle relationships, experimental probability and financial literacy.

Assessment: Assignments, projects, quizzes and tests.

Required Equipment: Scientific Calculator

Special Note: Consultation and planning is important when entering the Workplace sequence as most universities require Foundations of Mathematics 11 or Pre-Calculus 11 courses.

Grade 11

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, statistics, and financial literacy. 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.

Prerequisite: a final grade of 60% or higher in Foundations and Pre-calculus Mathematics 10 is strongly recommended.

Pre-calculus 11

This course is strongly recommended for students who are planning on pursuing post-secondary studies in math, commerce or sciences. Topics covered may include quadratic functions and equations, rational expressions and equations, trigonometry, graphing, financial literacy. 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.

Prerequisite: a final grade of 75% or higher in Foundations and Pre-calculus Mathematics 10 is strongly recommended with a strong foundation in algebra. Students with less than 75% should consult with their teacher before choosing this course.

Apprenticeship and Workplace Mathematics 11

This course is strongly recommended for students who are planning on entering the work force directly after high school, or who are planning on pursuing a career in the trades industries. Topics covered may include statistics, views and scale diagrams of 3D objects, linear relationships, slope, financial literacy and personal budgeting and planning for significant life purchases. Students who successfully master the learning outcomes of this course may continue on to Workplace Mathematics 12. This course satisfies the Ministry of Education's mathematics graduations requirements.

Prerequisites: successful completion of Workplace Mathematics 10 or permission from the instructor.

Grade 12

Calculus 12

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. This might include Mathematics, Sciences, Engineering and Commerce. Topics include the concept and applications of the derivative, limits, integrals.

Foundations of Mathematics 12

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. This might include the Humanities, Fine Arts, some Trades and Technical programs. Topics include set theory and conditional statements, combinatorics, probability, functions involving Polynomial, Exponential, Logarithm and Sinusoidal Functions and regression analysis. **Prerequisite:** a final grade of 60% or higher in Foundations 11 is strongly recommended. Students with less than 60% should consult with their teacher before choosing this course.

Pre-calculus 12

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. This might include Mathematics, Sciences, Engineering and Commerce. Topics include relations and function (composition and transformations), graphing and analyzing - exponential, logarithm, polynomial, radical rational and sinusoidal functions, solving trigonometric equations and proving trigonometric identities, sequences and series and conics. **Prerequisite:** a final grade of 70% or higher in Pre-Calculus 11 is strongly recommended. Students with less than 70% should consult with their teacher before choosing this course.

Apprenticeship and Workplace Mathematics 12

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include SI and imperial units, surface area, volumes, slope and rate of change, trigonometry, modeling and drawing 2-D and 3-D objects, relationships in formulae and circle geometry. **Prerequisite:** successful completion of Workplace Mathematics 11 or permission from the Instructor.

Physical and Health Education

Grade 10

Physical and Health Education 10

Curriculum in both grades covers a wide range of games (target, net/wall, striking and fielding, and territorial), gymnastics/tumbling, swimming, wrestling, Track and Field, various modes of 'health and fitness' and dance. Outdoor Adventurous activities include biking, orienteering and snowshoeing.

In Grade 9 there is a weight training course at Meadow Park Sports Centre and a Sailing course with Whistler Sailing Association. In Grade 10 students practice designing and completing their own program (using the squash, ice skating, swimming and fitness training facilities independently) at Meadow Park Sports Centre. There is also a Grade 10 canoeing course. Throughout PHE 9/10 there is a focus upon play and enjoyment and working towards achieving the *big idea* which is that each student is able to forge a positive relationship with movement: their own 'style' or 'way' of being active. Students journal reflectively during courses to expand their understanding of health concepts such as 'nutrition,' 'exercise' and 'lifestyle'.

Human Performance 10

The emphasis in this course is on being happy and being physically active. Human Performance is about designing an inspirational program of activities together as a team. In Human Performance you will get the chance to:

- Play games that help you improve your understanding and ability to play different sports. Experience different training methods for sport, health and well-being.
- Design your own exercise program
- Use Meadow Park Sports Centre for weight training, squash, swimming and ice -skating
- Design, play and lead activities.
- Listen to guest speakers presentations (local athletes / trainers / coaches).
- Take part in outdoor activities (options include biking, sailing, canoeing, cross country skiing, snowshoeing, orienteering and triathlon).

Grade 11

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- Experience different training methods for sport, health and well-being.
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Science

Grade 10

Science 10

Prerequisite: Science 9

Nature of the course: Science 10 is a compulsory academic course. In Science 8 & 9 students were introduced to a large variety of basic science concepts. In Science 10, students will begin to look at this content in more detail. Most of the ideas in this course will provide the foundation required for the senior science courses. The content is theoretical and will involve lectures, labs and projects. Since this is an academic course, students should expect to do some homework each night. Students should also expect to find the course content, interesting and fun. Topics include: Lab Safety, The Cell & DNA's structure and function (Biology), Chemistry, Energy (Physics), and the Formation of the Universe (Earth Science).

Grade 11

Chemistry 11

Prerequisite: Science 10 and Math 10

Recommended: Math 11

Nature of the course: Chemistry 11 is designed to help students increase their knowledge of chemical concepts and to improve their lab skills and techniques needed to do proper lab work. An emphasis is placed on problem solving, with 50% of the course using different mathematical calculations. The other 50% of the course is theoretical in nature. Classes will include lectures, followed by application of knowledge, using problem solving and lab work. This is an academic course, with a heavy workload. Students should expect to do some homework each night. Students should also expect to find the course content challenging, interesting and fun. Topics include: Lab Safety, Measurement, The Mole Concept, Inorganic Nomenclature, Chemical Reactions, Stoichiometry, Atoms and Molecules and Solution Chemistry.

Earth Sciences 11

Earth Science 11 is a Science course that satisfies the Science 11 graduation requirement. Topics explored include: Earth Materials (rocks and resources), Plate Tectonic Theory, Atmospheric Science and Climate, Oceanography and the Hydrosphere (the influence water has on the weather and climate) and the Earth within the Solar System.

Grade 12

Biology 12 (Anatomy and Physiology 12)

Prerequisite: Biology 11 strongly recommended and Chemistry 11 is recommended.

Nature of the course: Anatomy and Physiology 12 is designed to teach students more information about the cell as well as learn some anatomy and physiology of the human body. The content is theoretical and will involve lectures, labs and projects. There are no mathematical calculations in the course. This is an academic course, and students should expect to do some homework each night. Students should also expect to find the course content challenging, interesting and fun. Topics include: Biochemistry of the Cell, The Cell, DNA, Cell Membrane, Enzymes, Homeostasis and Organization, and systems of the body, which include: Digestive System, Respiratory System, Urinary System, Cardiovascular and the Lymphatic System, Nervous System and the Reproductive System.

Psychology 12

Have you ever wondered why we dream? Why people behave the way they do? How hypnosis works? Why you forget? Then you will love Psychology 12. Psychology is a social science, so it involves elements of the humanities and sciences as we investigate human behaviour. In Psychology 12 we look at the history of psychology, how we learn, memory and thought, motivation, personality, altered states of consciousness, stress and health and psychological disorders. This is an academic course that will prepare you for first year psychology. We will conduct labs, do research and have discussions as to why we are the way we are.

Science

Grade 10

Grade 11

Grade 12

Biology 11 (Life Sciences 11)

Prerequisite: Science 10

Nature of the course: Life Science 11 is designed to help students increase their knowledge of biological organisms and concepts. It will also increase their knowledge and develop their skills in the proper handling and use of the light microscope. It is a survey course that touches on a wide range of biological topics. There are no mathematical calculations in the course. Classes will include lectures, labs and projects. This is an academic course, and students should expect to do some homework each night. Students should also expect to find the course content challenging, interesting and fun. Topics include: The Cell and the Characteristics of Living Things, the Biochemistry of Photosynthesis and Cellular Respiration, DNA, the Theory of Evolution, Taxonomy and the Classification of Living Things, and the 6 Kingdoms: including Viruses, Bacteria, Protista, Fungi, Plants and Animals.

Physics 11

Through engaging lab activities students will explore the fundamental ideas and principles that govern how objects move in our universe. A clear understanding of key Physics concepts and tools will be emphasised. Students will be challenged to apply their understanding during several in-class projects.

Chemistry 12

Prerequisite: Chemistry 11

Recommended: Math 11

Nature of the course: Chemistry 12 is a more specialized course than the general course presented in Chemistry 11. An emphasis is placed on problem solving and the different theories of chemical principles. Classes will include lectures, followed by application of knowledge, using problem solving and lab work. The course is partly mathematical and will help students develop higher order thinking skills. Students should expect to do some homework each night. Students should also expect to find the course content challenging, interesting and fun. Topics include: Reaction Kinetics, Dynamic Equilibrium, Acids and Bases and Oxidation-Reduction Reactions found in Electrochemistry.

Physics 12

This course is intended to give each student the tools necessary to continue their study of Physics at a post-secondary level. Students will explore topics that have been selected by the BC Ministry of Education and reflect the areas usually covered in a university level introductory Physics course.

Social Studies

Grade 10

Social Studies 10

Next year will be a transition year for Grade 10 students to the new curriculum proposed by the BC Ministry of Education.

Nature of the Course:

Social Studies 10 is designed to develop students' knowledge and understanding of Canada and the World throughout the Twentieth Century up to the present time. Students will explore competency themes involving social, political, economic, environmental, and geographic patterns. Students will develop a deeper appreciation for the impact that historical events and Canada's involvement have had on shaping its identity. Students may work with a variety of activities, including presentations, research and design activities using the inquiry process, and individual and collaborative projects.

Big ideas include:

- Understanding how global and regional conflicts have helped to shape our contemporary world and identities
- Development and structure of political institutions is influenced by economic, social, ideological and geographic factors
- Worldviews lead to different perspectives and ideas about developments in Canadian society
- Discriminatory injustices in Canada and globally challenge Canada's policies of inclusion and multiculturalism

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- Discriminatory injustices in Canada and globally challenge Canada's policies of inclusion and multiculturalism

Grade 12

20th Century World History 12 (History 12)

Prerequisite: Social Studies 10 or permission of the teacher

Nature of Course: 20th Century World History 12 examines the major events and trends of the Twentieth Century. Students develop learning competencies around what happened and be able to suggest reasons why events unfolded the way they did. Students will work with a variety of activities, including presentations, reenactments, research and design activities using the inquiry process, and individual and collaborative projects. Big ideas include:

- the impacts of nationalism as a uniting or conflict-causing factor
- changes in communication and transportation technologies and connections to changes in personal and national identities
- the rise of new economic and political systems with the breakdown of imperialism

Comparative Cultures 12 (Comparative Civilizations)

Explore the mystery of ancient civilizations, from the Sumerians and Egyptians, to the Inca, Maya, and Aztec. Topics of cultural comparison include the role of value and belief systems, interactions with the natural environment, food production, systems of power, conflict, trade, art, architecture, language, science, and technology. Class activities include readings, discussion, computer-based research, and projects. Much of the course is supported by informative videos.

Social Studies

Grade 10

Grade 11

Grade 12

Law Studies 12

Prerequisite: Social Studies 11 or permission of the instructor

Nature of Course: Law 12 is based on the observation that “without knowledge of rights, no rights truly exist.” In this course, students survey Canadian law from its origins to emerging issues, while engaging in a variety of different activities. The use of case studies and original documents helps students to understand that Canadian law is based on a small number of basic and logical principles. Class activities include discussion, research, oral reports, and projects.

Physical Geography 12 (Geography)

This course examines the interrelationships between humans and the physical environment. Natural processes and resource use will be examined, both of which have an impact on the landscape and human settlement. Topics of study include plate tectonics, natural disasters, erosion, climate, natural resources, and sustainability. Class activities include readings, discussion, computer-based research, and projects. Much of the course is supported by informative videos.

Academies and Portfolios

Grade 10

Grade 11

Grade 12

Hockey Academy

(could happen in either or both semesters, 4 credits)

Application and extra fees apply. The Hockey Academy is a Program of Choice that is integrated into the student's current school timetable.

A specialist teacher along with professional on ice and off ice instructors work closely with students providing on ice bio-mechanic (technical) instruction, sport specific off ice conditioning, tactical game play, leadership and personal/social responsibility.

Open to all levels and abilities.

Soccer Academy

Application and extra fees apply. The Soccer Academy is a Program of Choice that is integrated into the student's current school timetable.

A specialist teacher and professionally licensed coaches work closely with students to provide a holistic learning experience. In addition to a balance of sport-specific training and conditioning, the content covers nutrition, sports psychology, tactical awareness, leadership and social responsibility. As a student in Soccer Academy, you will be expected to take ownership of your personal development, while fitting into a unique team of peers.

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Outdoor Education 11

Application Requirements: Completed application package + positive recommendation from two Teachers.

Nature of the Course: The Outdoor Recreation and Leadership program facilitates self-discovery and social development. We strive to take time to appreciate our natural environment in BC by connecting with the land and the communities dependent upon it. Through adventure education, we may challenge students and groups while developing leadership skills and an understanding of self. We strive to nurture active and compassionate participants within the community.

This course is based on the understanding that people learn best when they are actively involved. While students work on "hard" outdoor skills, the primary concern will be for the development of leadership techniques and an understanding of the responsibilities and privileges of leadership practiced in an outdoor environment. The course is normally offered in a semester format which requires that students have a continuous blocking of three blocks out of the four possible in the semester timetable. This would allow students to take another four credit course while taking the ORL Academy Program. Successful completion of this course will entitle students to preferential consideration for entry into Capilano University's *Mountain Leadership Institute* or *Outdoor Recreational Leadership Management Program* or Thompson River University's *Adventure Tourism Program*. Outdoor Recreational Leadership is offered concurrently with Geography 12. Again, concurrent courses would be determined to meet the best needs of the students involved. Leadership 11 and 12 would also be offered. Participants should be fit and committed to developing their personal skills: they should enjoy spending time in the outdoor classroom.

Special Note: Students hoping to take ORL should select the program and select whatever courses they would like to have in the "D" block (extra block) option. Students should also have a back-up course selection in case they are not successful in their application to the ORL program and this should be noted on their course selection.

Note: Not all students are successful in their application for this program. Further, student progress in the semester preceding the ORL semester will be monitored to determine if ORL is the correct fit for the applicant. Some ORL activities take place outside normal school hours.

Course Fees: \$550

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Academies and Portfolios

Grade 10

Grade 11

Grade 12

Portfolio 11

This course is an experiential program of learning that is driven by your desire for practical skills in a particular area, interests/passions and plans for post-secondary education and/or careers.

Universities and employers are now looking at 'Non Academic Qualities' when selecting students for competitive programs/jobs. Student Portfolios are evaluated using the following categories: leadership, elite athletic ability, service ethic, capacity to work with others, diversity of experience, unique skills outside academic courses and high performance in an area of human endeavor.

Activities that demonstrate significant levels of responsibilities, initiative, and commitment are highly regarded when distinguishing the best applicants.

Build something amazing (solar car)

Make Music – record music / create/ practice

- Create a Film
- Use Electronics
- Publish a Podcast
- Create a school/community initiative
- Achieve a personal goal
- Conduct research or a scientific experiment

This course is available to self-motivated students who wish to rigorously pursue a passion or project that doesn't currently fit into other courses offered at WSS.

Students will be asked to submit a proposal of their project prior to the start of the course, and commit to regular evaluation of their productivity and learning. Although project progression will largely be self-managed by the student, support structures and assistance will be offered with the aim of providing students with a meaningful experience, and an opportunity to reflect, revise and present their projects regularly.

Portfolio 12

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