
SEMAHMOO SECONDARY COURSE GUIDE



2024/2025

Semiahmoo Secondary



WELCOME TO SEMIAHMUO SECONDARY

Acknowledgement

On behalf of the students and staff we would like to acknowledge that Semiahmoo Secondary is situated on the traditional, unceded territory of the Coast Salish Peoples, and we are proud of our relationship with the Semiahmoo First Nation, who's name we proudly use to represent our school community.

Introduction

The courses offered at Semiahmoo Secondary follow guidelines set out by the Ministry of Education and the Surrey School Board. Programs consist of a combination of required courses and elective courses. The courses you choose may help you to learn life skills, explore new fields, and discover capabilities and interests of which you may have been unaware.

Selecting elective courses is an important process and should be carried out in consultation with parents and counsellors. Courses with insufficient enrolment to justify a class grouping will not be offered. It is important, therefore, that you make thoughtful and careful decisions. Certain elective combinations will influence future pathways as well. For example, if French is dropped in Grade 10, students are unable to enroll in French class in Grade 11. Student course requests determine what courses will be offered the next school year. It takes several months to build the master timetable and requests for changes are not usually accommodated. Please take care when requesting your courses for the coming year!

It is recommended that students and parents review the contents of this booklet. If you have any questions or concerns, please speak to a school counsellor. We wish all our students a rewarding and positive school year. Happy planning!

Administration

Ms. Alyssa Malkoske	Principal
Ms. Jana White	Vice Principal
Mr. Zack Lund	Vice Principal

Counselling Team

Ms. Phillips	(A – Grewal)
Ms. Wilson	(Griffiths– Lin)
Ms. Barclay.	(Lindae-Shen)
Ms. Bains	(Shepherd-Sung)
Ms. Blackwell	(Suriya – Z)



Course Request Process

Working with counsellors and administrators, students will select courses that align with both the graduation requirements and their future educational plans.

All students will be expected to enter their course selections online, by the end of February. Schedules for the upcoming school year will be available, through MyEd, before the September Labour Day long weekend.

Please note that there are a wide variety of courses that are offered at Semiahmoo. Though every effort is made to accommodate students requests, timetabling is very complex and conflicts can occur that prevent all students from getting their first choice electives. When this occurs, students will be placed in one of the alternate courses they have selected. This means that alternate courses should be chosen very carefully, as they could end up in your student's timetable.

How to use the Course Planning Guide...

In order to best prepare yourself for the course selection process, please take a look at the course selection guide in advance. Below are a few suggestions to help students make the best decisions possible...

- 1) Study the graduation requirements - They can be found here:
- 2) Understand the post-secondary options and opportunities at Colleges, Universities, Trade Institutions etc.. If you have questions please check out the website educationplannerbc.ca
- 3) Look carefully at the elective course options. Be sure to pick something based on your interests, abilities or possible use in the future.
- 4) Request 8 courses as your first choices for next year. Be sure to pick three alternative courses as well.
- 5) Consider each selection and make a wise decision. You may not be able to change it at a later date.
- 6) If you plan on taking a specific course in summer school or online, please do not select it in your course selection. Please let your counsellor know in the counsellors note section in myedbc.

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GRADE 8

Required Courses

- Careers 8
- English 8
- French 8
- General Explorations A
- Physical and Health Education 8
- Scimatics 8
- Social Studies 8

Elective Courses

- Concert Band 8
- Jazz Band 8
- General Explorations B

GRADE 9

Required Courses

- Careers 9
- English 9
- Mathematics 9
- Physical and Health Education 9
- Science 9
- Social Studies 9

Elective Courses

- Computers 9
- Concert Band 9
- Design and Build 9
- Drama 9
- Foods & Fashion 9
- French 9
- Jazz Band 9
- Leadership 9
- Spanish 9
- Visual Arts 9
- Vocal Jazz Band 9
- Yearbook 9



GRADE 10

Required Courses

- Career Life Education 10
- Language Arts 10
- Mathematics 10
- Physical and Health Education 10
- Science 10
- Social Studies 10

*All Courses are 4 Credits

Elective Courses

- Art Studio 10
- Computer Studies 10
- Concert Band 10
- Culinary Arts 10
- Drafting & Design Level One
- Drama 10
- Electronics & Robotics Level One
- Entrepreneurship & Marketing 10
- Engineering & Design - Level One
- Foods & Nutrition 10
- French 10
- Introduction to Photography 10
- Jazz Band 10
- Jewelry and Stained Glass 10
- Power Mechanics 10
- Metal Art - Level One 10
- Pastry Arts & Baking 10
- Spanish 10
- Studio Arts 10 2D: Drawing and Painting
- Studio Arts 10 3D: Ceramics & Sculpture
- Textiles 10
- Video Production 10
- Woodworking Level One
- Yearbook 10



GRADE 11&12

Required Courses 11

- Career Life Connection 12
Recommended in Grade 11
- Language Arts 11
- Mathematics 11 or 12
- Science 11 or 12
- Social Studies 12

*All Courses are 4 Credits

Required Courses 12

- Career Life Connection 12
If you did not complete in Grade 11
- Language Arts 12
- Three other grade 12 courses (A total of four grade 12 courses and CLC are required for graduation)

*All Courses are 4 Credits



Course Selection Tips...

- 16 credits must be at the Grade 12 level. Including English 12 or English First Peoples 12.
- Enrolling Learning Assistance courses do not offer credits towards graduation.
- Courses that are retaken do not give additional credits towards graduation.
- A second language is not required for graduation, but direct entrance to UBC Vancouver and SFU do require a language at the Grade 11 level.
- A minimum of 80 credits is required for graduation.

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Elective Courses

- Composition 11
- Literary Studies 11
- English 12
- English First Peoples 12
- Physical Geography 12
- Law Studies 12
- Contemp. Inidg. Studies 12
- 20th Century World History 12
- Social Justice 12
- Political Studies 12
- Workplace Mathematics 11
- Foundations Mathematics 11
- Pre-Calculus 11
- Foundations of Mathematics 12
- Pre-Calculus 12
- Calculus 12
- Science for Citizens 11
- Life Sciences 11
- Chemistry 11
- Physics 11
- Anatomy and Physiology 12
- Chemistry 12
- Physics 12
- French 11
- French 12
- Spanish 11
- Spanish 12
- Psychology 11
- Psychology 12
- Leadership 11/12
- Art Studio 11
- Art Studio 12
- Studio Arts 11 2D: Drawing & Painting
- Studio Arts 12 2D: Drawing & Painting
- Studio Arts 11 3D: Ceramics & Sculpture
- Studio Arts 12 3D: Ceramics & Sculpture
- Photography 11 (Beginner/Intermediate)
- Photography 12 (Advanced)
- Yearbook 11/12
- Video Production 11 & 12
- Drama 11/12
- Theatre Production 11/12
- Directing & Scripting Development 11/12
- Film 11
- Film 12
- Concert Band 11
- Concert Band 12
- Jazz Band/Jazz Studies 11
- Jazz Band/Jazz Studies 12
- Accounting 11
- Accounting 12
- Economics 12
- Marketing 11
- Marketing 12
- Computer Programming 11
- Computer Programming 12 (Advanced)
- Foods and Nutrition 11
- Foods and Nutrition 12
- Pastry & Arts Baking 10-12
- Textiles 11
- Textiles 12
- Fashion & Design Construction 12
- Drafting & Design - Level One
- Drafting & Design - Level Two
- Drafting & Design - Level Three
- Automotive Technology Level One
- Automotive Technology Level Two
- Electronics & Robotics Level One
- Electronics & Robotics Level Two
- Electronics & Robotics Level Three
- Metal Art Level One
- Metal Art Level Two
- Metal Art Level Three
- Woodworking Level One
- Woodworking Level Two
- Woodworking Level Three
- Engineering & Design Level One
- Engineering & Design Level Two
- Engineering & Design Level Three
- Jewellery & Stained Glass 12
- Industrial Coding & Design 12
- Culinary 11
- Culinary 12
- Peer Tutoring 11
- Peer Tutoring 12
- Library Science 11
- Library Science 12
- Health & Wellness 11/12
- Active Living 11/12
- Outdoor Education 11/12
- Intramural Leadership 11/12
- Weight Training 11/12



ADST - BUSINESS EDUCATION

Grade 10



ENTREPRENEURSHIP AND MARKETING 10

Introduction to business and marketing. This course will provide a foundation to move forward in studying business and marketing. The course will deal with entrepreneurship opportunities, customer needs, wants, and demands, characteristics of entrepreneurs, creative ways to add value to an existing idea or product, forms of marketing and online marketing concepts.

Grade 11

ACCOUNTING 11

This course is designed as an introduction to accounting concepts, and supports entry-level employment skills, entrance to business programs, and development of personal financial skills. Course introduces accounting guidelines and methods used to generate financial reporting. Students learn a systematic method to solve financial problems.

MARKETING 11

Are you interested in the opportunity to start, organize, and operate businesses? Students will be given hands on, real, practical learning opportunities. This course includes witnessing actual business situations through field trips, surveys, presentations, and project-based group situations. Students gain knowledge from employer's and employee's points of view. Evaluation: projects, participation, quizzes, and a final project. Planning on heading to Sauder or Beedie – come take a business class and see if you like it before you get there.

Grade 12

ACCOUNTING 12

Course enables students to use industry-standard computer software to analyse and solve accounting problems to produce and present accounting reports for a small business.

ECONOMICS 12

Students will analyze the effects of economic activity, learning how the global marketplace functions. They will also better understand how and why government decisions impact our society, country, and world.

MARKETING 12

Planning on heading into Business in post-secondary? Looking at curriculum from multiple post-secondary institutions, this course has been developed for students to succeed in this field in post-secondary. Students are now extending the expertise from Marketing 11, and use their energy, enthusiasm, and leadership skills to build, run, maintain, and enhance Semiahmoo's own small business – the Birds Nest. Students use the 4 Ps of marketing (product, place, price, and promotion) as a background for Apprentice challenges, field trips, and various multimedia advertising promotional strategies.

ADST - HOME ECONOMICS & CULINARY ARTS

Grade 9

FOODS & FASHION 9

For Foods and Fashion 9 you will be spending half your time in Foods and half in Textiles.

In the Foods portion of the course students will focus on the meal preparation of breakfast, lunches, dinners, and snacks while developing their safety and sanitation skills. This is a great course for those new to Foods and for those who have already taken Foods 8.

In the Textiles portion of this course, we will be creating a hoodie as well as several small projects, based on time and student interests. We will learn all about using commercial patterns and how to purchase fabric. This is a great course for beginners!

Grade 10

CULINARY ARTS 10

Designed for students interested in the art and science of food preparation in a large commercial kitchen setting. Use of equipment, sanitation, safety, and a large variety of cooking skills increase opportunity to obtain employment in food industry.

FOODS AND NUTRITION 10

In Foods 10 you will be going on an imaginary culinary road trip across North America, visiting various provinces, states, and cities. Along the way you'll be learning about everything from knife skills to food safety, from pastry to First Peoples food protocols, and there will be plenty of cooking and eating. This class builds on what you learned in Foods 8 and possibly Foods and Fashion 9, but with more depth and more room for creativity.

TEXTILES 10

Interested in fashion or sewing your own clothes? Students will learn basic garment construction techniques, wardrobe planning, and the use of the serge, and sewing machine. You will create a variety of garments based on your skill level and interests. Beginners are welcome!



Grade 11

CULINARY ARTS 11

Designed for students interested in the art and science of food preparation in a large commercial kitchen setting. Use of equipment, sanitation, safety, and a large variety of cooking skills increase opportunity to obtain employment in food industry.

FOOD STUDIES 11

In Foods 11 you will be going on a culinary trip around the world. This class builds on the basics that you learned in Life Skills 8, as well as what you may have learned in Foods 10. You will learn higher level culinary and baking skills through demos, labs, and theory. You will learn how to put these skills into practice through multi course meal preparation, recipe manipulation and modification, and projects. We'll be teaching you the skills and giving you the tools and information, you need to explore your love and understanding of food, in and out of the kitchen.

PASTRY ARTS AND BAKING 11

Do you love baking? Want to learn how to make the items you see in your local bakery? Pastry and Baking Arts focuses on more advanced skills and techniques in baking, from bread, to cookies, to chocolates, to cream puffs. Learn techniques and skills transferable to both the home kitchen and a professional bakery and have fun doing it!

TEXTILES 11

Textiles 11 is designed to build on the skills taught in Textiles 8-10. Students will continue to develop their construction techniques by using more challenging patterns and fabrics. Students will have the opportunity to alter patterns for a better fit or to create the design they want. During design challenges we will repurpose textile items and develop fashion illustration skills. We will also explore ethical issues behind producing textile items and fashion marketing. Two to four garments are created, based on the students' experience, skill level, interest, and teacher consultation. Beginners are welcome!

Grade 12

CULINARY ARTS 12

Designed for students interested in the art and science of food preparation in a large commercial kitchen setting. Use of equipment, sanitation, safety, and a large variety of cooking skills increase opportunity to obtain employment in food industry. Gr. 12 level is designed for greater-in-depth training and all facets of cooking. In addition, the business of managing a commercial kitchen and food safe certification, recipe design, costing, food portioning, and short order cooking are covered.



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FASHION DESIGN & CONSTRUCTION 12

For the designer in all of us whether you just like to doodle or are a die-hard Project Runway fan. Designing and constructing a number of original garments including one with your choice of embellishments. Highly recommended for anyone interested in pursuing a career in fashion design, art, or interior design.

FOOD STUDIES 12

For Foods 12 we will be continuing the culinary trip around the world we started in Foods 11, visiting countries, provinces/states, and cities, and along the way we will be learning about everything from the causes and results of food recalls to yeast to food sovereignty to bread. This class will consist of lots of cooking, along with theory, projects, demonstrations, and videos. Students in Foods 12 will prepare trickier recipes, share class meals, and explore in more depth because certain foods and culinary traditions can be found in the various regions of the world we visit.

PASTRY ARTS AND BAKING 12

Do you love baking? Want to learn how to make the items you see in your local bakery? Pastry and Baking Arts focuses on more advanced skills and techniques in baking, from bread, to cookies, to chocolates, to cream puffs. Learn techniques and skills transferable to both the home kitchen and a professional bakery and have fun doing it!

TEXTILES 12

Textiles 12 is designed to build on the skills taught in Textiles 8-11, beginners are welcome! Students will continue to develop their construction techniques by using more challenging patterns and fabrics. Students will have the opportunity to design and draft their own pattern. During design challenges we will repurpose textile items and continue to develop fashion illustration skills. We will also explore ethical issues behind producing textile items and fashion marketing. Two to four garments are created, based on the students' experience, skill level, interest, and teacher consultation. Beginners are welcome!



ADST - INFORMATION & COMMUNICATION TECHNOLOGY

Grade 9

COMPUTERS 9 (Information & Communications Technologies 9)

This is a digital media course. We will explore the different mediums that we experience technology. We will become experts on how computers: Run/Operate, Affect our lives, and Interact with each other. Expect a variety of the following topics: Building Websites (with WordPress), Image editing (Adobe Photoshop), Video editing (Adobe Premiere Pro), Podcasting (Audacity), Building a Computer, Animation, Graphical coding (Scratch + mBot robots), and Networking (WiFi Routers / Cables).

Grade 10

COMPUTER STUDIES 10

We will explore the different mediums that we experience technology. We will become experts on how computers: Run/Operate, Affect our lives, and Interact with each other. Expect a variety of the following topics: Building Websites (with HTML and CSS), Image editing, Video editing (Adobe Premiere Pro / After Effects), Audio Recording and Editing (Audacity), Building a Computer, Animation, Graphical coding (Scratch + mBot robots), and Networking (WiFi Routers / Cables), Running a virtual machine, installing an operating system (Windows/Linux/Mac OS), running a web server (Apache), executing a project with an Internet of Things device (Arduino/Raspberry Pi)

Grade 11

COMPUTER PROGRAMMING 11

Interested in developing apps? We learn how to build an app from the basics. We learn how to develop the user interface (Textboxes, Buttons, Forms, Pop Up Dialogs), how to store data, receive input from the user, and how to use logic to make decisions (if-statements, while-loops, etc.).

The final project of this course is to develop your first 2D game. No previous programming experience is necessary before taking this course. We start from the basics.

Grade 12

COMPUTER PROGRAMMING 12 (Advanced)

This is the second Computer Programming course. We take your basic skills and develop more sophisticated apps. We learn more details about Classes & Inheritance, Data Types, how to store large quantities of data.

For the final project, we put these skills together as we develop a full-screen playable video game with graphics, sound, and levels. Advanced students may also learn how to use a Raspberry Pi for motion controls (like a wii-mote), and/or the Box2D physics engine for real-world physics.

If you are considering post-secondary in STEM (Science, Technology, Engineering or Mathematics) this course will give you a good programming experience, that you will be able to use in a first year Computer Science course.

Previous programming experience is necessary before taking this course. (Either you've taken Computer Programming 11, or you have developed an App before using a language such as Java/Python/C#/etc.)



ADST - TECHNOLOGY EDUCATION

Grade 9

DESIGN & BUILD 9

This is for students who enjoyed making projects the shops during the ADST Explorations course last year. Students will have an opportunity to design and build projects from various materials. We will explore the world of engineering and learn about the foundations in electronics and robotics. Students will have an opportunity to work in a shop environment on individual projects and also work in teams to execute design challenges. Students will use this experience to help decide future courses in the area of Technology Education.

Grade 10

DRAFTING & DESIGN - Level 1

This is an introduction to the world of technical drawing and design thinking. This course will expose students to the various professions that involve technical drawing and design. As a class, we will look at the skills and educational requirements needed to have a career in the world of technical drawing and design. Most of the semester will take place in a computer lab, learning how to use the various drawing programs used in technical drawing. A portion of the semester will be dedicated to students working in a design workshop, building 3 dimensional prototypes of their own design, and making custom t-shirts!

ELECTRONICS AND ROBOTICS LEVEL 1

This course will expose students to the principles of electronics and robotics through a combination of both practical and hands-on projects. Students will learn to identify components, use tools associated with the electronics and robotics field, as well as basic coding and construction of chassis and cases used for housing their creations. Projects will include, sumo-bots, M-bots, Arduino, audio amplifiers and many other projects that individual students may be interested in creating.

ENGINEERING AND DESIGN - Level 1

This course is for students with an interest in the application of engineering as it pertains to design. Students will be exposed to various engineering principles with an emphasis on applying these in the design of projects. Students will also learn the safe use of various tools and machines in the pursuit of creating engineering marvels. Projects could include but will not be limited to, CO2 dragsters, rockets, catapults, trebuchets, gravity cars, balsa wood gliders, Popsicle stick bridges...and many more. Students that are taking this course for a second time will have an opportunity to expand on what they have learned in previous years. The intent is these students will then design and construct projects of personal relevance and interest.



SEMAHMOO SECONDARY COURSE GUIDE

MECHANICS 10

This is an introduction of the internal combustion engine and transmission of power. Students will learn about the systems, parts, tools, and skills that are needed to dismantle and rebuild a small engine. A portion of the course will focus on welding and metal joinery. Students will have the opportunity to expand into bicycle maintenance and automotive basics. There will also be an opportunity for students to bring in small engine projects from home.

METAL ART - Level 1

This introductory metal course will incorporate a number of key metal working concepts, procedures, and practices. Students will learn all facets of metal working including, jewelry, welding, fabricating, machining, casting, and sheet metal work. There will be a variety of projects from fine widgets to fabulous gadgets!

WOOD WORKING - Level 1

This is an extension of the woodwork portion of the Technology Education 9 Explorations course, although there is no prerequisite. This course is hands-on woodwork. Through drafting, design and active construction, students combine the safe use of tools, machines, and materials to construct introductory level projects made of wood.

Grade 11 & 12

AUTOMOTIVE TECHNOLOGY LEVEL 1

If you ever plan on owning a car you must take this course! No prior knowledge is needed for this introductory course. We will study automotive basics in a fun and friendly hands-on setting. You will learn basic repairs and proper servicing of an automobile. No car is needed to take this course.

AUTOMOTIVE TECHNOLOGY LEVEL 2

This course is an extension of what was learning in Level 1. Students will look at each system of the automobile with greater focus and depth. The focus is on diagnostics and repair of the main components of the automobile. No car is needed to take this course.

DRAFTING & DESIGN - Level 1

This is an introduction to the world of technical drawing and design thinking. This course will expose students to the various professions that involve technical drawing and design. As a class, we will look at the skills and educational requirements needed to have a career in the world of technical drawing and design. Most of the semester will take place in a computer lab, learning how to use the various drawing programs used in technical drawing. A portion of the semester will be dedicated to students working in a design workshop, building 3 dimensional prototypes of their own design, and making custom t-shirts!



DRAFTING & DESIGN LEVEL 2

Students in levels two will delve deeper into the programs associated with technical drawing. Returning students will also have an opportunity to expand on existing knowledge around design and come up with more personalised projects.

DRAFTING & DESIGN LEVEL 3

Students in levels three will delve deeper into the programs associated with technical drawing. Returning students will also have an opportunity to expand on existing knowledge around design and come up with more personalised projects.

ELECTRONICS AND ROBOTICS LEVEL 1

This course will expose students to the principles of electronics and robotics through a combination of both practical and hands-on projects. Students will learn to identify components, use tools associated with the electronics and robotics field, as well as basic coding and construction of chassis and cases used for housing their creations. Projects will include, sumo-bots, M-bots, Arduino, audio amplifiers and many other projects that individual students may be interested in creating.

ELECTRONICS AND ROBOTICS LEVEL 2

This course is an extension of what was learned in Electronics and Robotics Level 1. Building upon electronics basics, students will explore more advanced topics of designing electronic projects and programming robots. Programming skills will be improved, and the use of Micro-processors and motor control circuits could be utilized. Students will focus on building their skills and having more input on project choice and focus on students interests to further their skills.

ELECTRONICS AND ROBOTICS LEVEL 3

This course is an extension of what was learned in Electronics and Robotics 2. Building upon advanced electronics understanding, students will explore advanced topics of designing electronic circuits involving higher level programming robots and custom construction of electronics projects. Students will focus on building their skills and having more input on project choice and focus on possible career options. In this course, students will have the opportunity build autonomous and remote-controlled robots, and other programmable circuits.

ENGINEERING AND DESIGN - Level 1

This course is for students with an interest in the application of engineering as it pertains to design. Students will be exposed to various engineering principles with an emphasis on applying these in the design of projects. Students will also learn the safe use of various tools and machines in the pursuit of creating engineering marvels. Projects could include but will not be limited to, CO2 dragsters, rockets, catapults, trebuchets, gravity cars, balsa wood gliders, Popsicle stick bridges...and many more. Students that are taking this course for a second time will have an opportunity to expand on what they have learned in previous years. The intent is these students will then design and construct projects of personal relevance and interest.

SEMIAHMOO SECONDARY COURSE GUIDE

ENGINEERING AND DESIGN - Level 2

Students will focus on building their skills and having more input on project choice and areas of focus.

ENGINEERING AND DESIGN - Level 3

Students will focus on building their skills and having more input on project choice and focus on possible career option in engineering and design.

INDUSTRIAL CODING & DESIGN 12

Suggested Prerequisite: Drafting and Design Level 1

This course is designed for students who are interested in learning or are planning a career in CNC & Manufacturing. Students will be expected to solve complex 2D, 3D, and solid modeling problems as well as to spend more time on individually designed projects. Students will be introduced to manufacturing coding languages, such as G-Code. Assignments will be completed using CAM software and computer operated machines such as 3D printer, laser cutter, vinyl cutter and CNC wood router. Students will also use the shop facilities to construct their project.

JEWELLERY AND STAINED GLASS 12

Designed for both the beginner and experienced student, this is a fun, introductory course about jewellery and stained glass. Students will be using new & recycled metals as a medium to create original artwork. Students may learn to manipulate metal or construct artistic metal projects through the use of hand tools, oxy-acetylene welding/brazing/cutting. Projects could include silver rings, bracelets, pendants, earrings, necklaces, hair barrettes, wire/metal sculptures and metal signage. When working with glass, students will be using the Tiffany copper-foil technique. Safety is emphasized while learning the basics of pattern design, glass selection, cutting, shaping, foiling, soldering, and finishing techniques.

METAL ART - Level 1

This introductory metal course will incorporate a number of key metal working concepts, procedures, and practices. Students will learn all facets of metal working including, jewelry, welding, fabricating, machining, casting, and sheet metal work. There will be a variety of projects from fine widgets to fabulous gadgets!

METAL ART Level 2

Students will focus on building their skills and having more input on project choice and areas of focus.

METAL ART Level 3

Students will focus on building their skills and having more input on project choice and focus on possible career option in metalworking.



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WOOD WORKING Level 1

This is an extension of the woodwork portion of the Technology Education 9 Explorations course, although there is no prerequisite. This course is hands-on woodwork. Through drafting, design and active construction, students combine the safe use of tools, machines, and materials to construct introductory level projects made of wood.

WOOD WORKING Level 2

Course is an extension of what is learned in Level 1. Students will construct one prescribed project as well as their own unique project as they demonstrate increased ability to safely use tools.

WOOD WORKING Level 3

This course is an extension of what is learned in Level 2. Greater skill with equipment and tools will permit greater scope of projects designed by students.



ARTS EDUCATION - VISUAL ARTS



Grade 9

VISUAL ARTS 9

This is a general art course designed for grade 9 students who wish to focus on exploring a variety of art mediums and learning to express ideas visually. Students will gain a strong foundation in drawing and painting in this course while exploring some 3D art mediums. The end goals are to increase artistic self-confidence and develop understanding of the basics of 2D and 3D forms and to produce successful visual works. Learn to develop your skills of seeing and perception and have fun trying new mediums!

YEARBOOK 9 (Introduction to Yearbook)

Students interested in photography, journalism, design, business, marketing, and leadership can develop all these skills in Yearbook. Students in this course contribute to the school yearbook: photographing school events, interviewing people, learning design, and creating graphics and marketing campaigns. Students must be able to commit to sometime outside of class to cover events for the yearbook. No prerequisite course or experience is necessary; cameras and training are provided in class. This is a linear course offered every second day, all year long.

Grade 10

ART STUDIO 10

Course is designed for grade 10 students wishing to broaden their understanding of art mediums and try different techniques and processes to develop foundational skills in art. Bring your imagination and creativity, and we will explore various themes and styles. Whether you are a 3D thinker who loves to manipulate materials or a 2D artist wanting to improve your visualization skills, this class will build upon what you have learned in your junior years to continue your journey in visual art!

PHOTOGRAPHY 10

Photography skills including composition, understanding and applying different styles, proper file management, editing with different apps, and learning about the creative people who have contributed to this art form. We work exclusively with digital photography. The aim of the course is to expose students to the artistry of photography and to develop a growing understanding of cameras and photographic techniques. All abilities and grades are welcome; no previous experience is required; students are challenged to expand the skill set they come in with. Cameras may be available for students who need them.

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STUDIO ARTS 10 2D: DRAWING & PAINTING

This course is designed to nurture the creative spirit of students who wish to further develop their artistic skills, and experience both traditional and contemporary 2D media. Through hands-on exploration, students will delve into the fundamentals of drawing and painting, understanding each medium's potential to create certain visual effects. This course fosters curiosity, self-expression, and a deeper appreciation for the visual arts, providing students with a solid foundation for their artistic journey in the future.

STUDIO ARTS 10 3D: CERAMICS & SCULPTURE

This course is intended for students who enjoy creating 3D art objects. We will use a variety of 3D mediums including clay and other building materials to make artworks of various function and purposes. Through hands-on exploration, students will immerse themselves in the fundamentals of ceramics and sculpture, developing their technical skills and using creativity. This foundational course encourages students to experiment with form, texture, and spatial relationships, laying the groundwork for a more complex 3D study in art in senior years.

YEARBOOK 10

Students interested in photography, journalism, design, business, marketing, and leadership can practice all these skills in Yearbook. We create the school yearbook in an environment set up like a real business. We photograph school events, interview people, design pages, run marketing campaigns and social media accounts, and publish a hardcover book. There is something for everyone in Yearbook! Students must be able to commit to significant afterschool time in addition to attending classes. No prerequisite course or experience is necessary; cameras and training are provided in class. This is a linear course offered every second day, all year long. Application forms must be approved by Ms. Ross before students can be officially registered in the course.

Grade 11

ART STUDIO 11

A survey course which introduces students to a variety of artists and art practices and encourages growth as artists in their own art making and art appreciation. Students will explore a wide range of mediums in 2D and 3D and learn the importance of visual planning and research. The course has an emphasis on modern and contemporary art and covers a broad range of materials and processes. An emphasis is placed on the development of personal imagery, symbols and meaning.



PHOTOGRAPHY 11

Photography skills including composition, understanding and applying different styles, proper file management, editing with different apps, and learning about the creative people who have contributed to this art form. We work exclusively with digital photography. It is a great course for students considering a career in the arts, graphic design, publishing, or marketing, or who have a creative side that needs a new outlet. The aim of the course is to expose students to the artistry of photography and to develop a growing understanding of cameras and photographic techniques. All abilities and grades are welcome; no previous experience is required; students are challenged to expand the skill set they come in with. Cameras may be available for students who need them.

STUDIO ARTS 11 2D: DRAWING & PAINTING

Studio Arts 11 2D is tailored for students eager to elevate their artistic proficiency in drawing and painting. Students will use both traditional and contemporary 2D media, allowing students to refine their technical skills and explore complex concepts with a variety of art mediums. Through hands-on projects, students will gain a deeper understanding of composition, color theory, and personal style. This course aims to cultivate a refined artistic sensibility, preparing students for more sophisticated artistic challenges in post-secondary.

STUDIO ARTS 11 3D: CERAMICS & SCULPTURE

Create artworks in clay, papier mâché, mixed media and other 3D materials. This course is designed for students to expand their understanding of artistic expression and potential unique in 3D artform. Building upon foundational skills, students will delve into different techniques in ceramics and sculpture, exploring diverse materials and pushing the boundaries of artistic expression.

YEARBOOK 11/12

Students interested in photography, journalism, design, business, marketing, and leadership can practice all these skills in Yearbook. We create the school yearbook in an environment set up like a real business: we design pages, run marketing campaigns, run social media accounts, photograph school events, and publish a hardcover book. Students must be able to commit to significant afterschool time in addition to attending class. No prerequisite course or experience is necessary; cameras and training are provided in class. This is a linear course offered every second day, all year long. Application forms must be approved by Ms. Ross before students can be officially registered in the course.

Grade 12

ART STUDIO 12

Art Studio 12 provides opportunity for students to further develop the selection and combination of a broad spectrum of materials, technologies, and processes for artistic expression. This class is designed to provide opportunities for students to engage in a focused and in-depth study in a particular visual expression area. Students will be provided opportunities to develop their technical skills in 2D and 3D in relation to perceiving, responding to, creating, and communicating about a wide variety of images. Students study and learn to manipulate image development, context, and elements and principles of art and design.



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PHOTOGRAPHY 12 (Advanced)

Photography skills including composition, understanding and applying different styles, proper file management, editing with different apps, and learning about the creative people who have contributed to this art form. We work exclusively with digital photography. It is a great course for students considering a career in the arts, graphic design, publishing, or marketing or who have a creative side that needs a new outlet. The aim of the course is to expose students to the artistry of photography and to develop a growing understanding of cameras and photographic techniques. Returning students are challenged to explore advanced photographic techniques and continue to develop a refined personal artistic style to take their skills to the next level. All abilities and grades are welcome; no previous experience is required; students are challenged to expand the skill set they come in with. Cameras may be available for students who need them.

STUDIO ARTS 12 2D: DRAWING & PAINTING

A continuation for the more serious art students who may want to pursue an art college or university application in 2D media. It offers art studio experiences for students to demonstrate and to cultivate their potential as artists. This course challenges students to synthesize their accumulated skills in both traditional and contemporary art making methods, encouraging a sophisticated understanding of artistic concepts. Students will refine their techniques and delve into nuanced aesthetic considerations. This course could help students to create a selection of work that not only showcases the depth of individual growth but also prepares them for future endeavors in art.

STUDIO ARTS 12 3D: CERAMICS & SCULPTURE

Open to all students who have taken any other art courses or have experiences in 3D art. Create more advanced artworks in clay, papier mâché and other mixed media. This course offers a studio setting to provide students with the opportunity to showcase their refined skills and creativity, demonstrating their confidence in the use of the mediums. This course challenges students to combine their previous experiences and knowledge in ceramics and sculpture and create visually interesting pieces that are one-of-a-kinds. Emphasizing conceptual depth, students will engage in projects that challenge their understanding of form, composition, and the narrative potential of three-dimensional art, preparing them for a more sophisticated artistic exploration in post-secondary.

YEARBOOK 11/12

Students interested in photography, journalism, design, business, marketing, and leadership can practice all these skills in Yearbook. We create the school yearbook in an environment set up like a real business. We photograph school events, interview people, design pages, run marketing campaigns and social media accounts, and publish a hardcover book. There is something for everyone in Yearbook! Students must be able to commit to significant afterschool time in addition to attending classes. No prerequisite course or experience is necessary; cameras and training are provided in class. This is a linear course offered every second day, all year long. Application forms must be approved by Ms. Ross before students can be officially registered in the course.



ARTS EDUCATION - DRAMA & FILM

Grade 9

DRAMA 9

This course requires students to have a positive and cooperative attitude. Emphasis is on vocal projection and building performance confidence. Students will explore improvisation (spontaneous and prepared), scene building and scripted scenes. Students will increase personal development and communication skills.

Grade 10

DRAMA 10

This course is intended for those students who have a serious passion for the subject of theatre. The emphasis at this level is on the many roles (on stage and off stage) involved in running a successful show. For this reason, students should be able to work independently and cooperatively with senior student directors.

VIDEO PRODUCTION 10

Students interested in journalism and with previous experience in video production should apply to this student-directed course. Students plan, create, and produce a video series under the supervision of the Yearbook advisor. Students must have strong communication skills, self-regulation skills, and self-motivation. Seats are very limited. This is a linear course paired with either an English course or Yearbook. See Ms. Ross for more details.

Grade 11 & 12

DIRECTING & SCRIPT DEVELOPMENT 11/12

This course is by application only and designed for the self-directed learner. Responsibilities are solely focused on directing peers and helping them to prepare scripts for performances for school audiences. There are limited spots available, and priority will be given to students with experience in Semiahmoo's Drama program. Any students interested should contact Ms. Gibbs.

DRAMA 11/12

This course assumes all foundational skills have been built. It is performance driven and designed for serious actors to shine. It focuses on theatre beyond the classroom and explores audition techniques and experience, theatre history, and the monologue, among various scripts and scene work. Students should be inquisitive, decisive, and able to self-reflect.



FILM 11

Take this course to see if you love movies and want to be a part of one of the biggest industries in British Columbia. This is an introductory course that gives students an insight to the 11 main genres of film and some subgenres. Do you enjoy being behind the camera or in front of it? Do you enjoy editing video or redecorating a room to make it look like someplace else? Come take this course and see if this industry is right for you. Lots of jobs waiting to be filled in pre and postproduction right here in British Columbia where we are one of the main areas for film and tv production in North America.

FILM 12

Using Film 11 as a base, students will now delve deeper into the film industry and start to create a portfolio. The students will progress their tools learned and develop a variety of short works, both partners based and individually. The assignments are self-directed, and the students must be able to work unsupervised. This highly lucrative industry needs motivated independent and team workers, so come see which side of the camera you want to work on.

THEATRE PRODUCTION 11/12

Theatre Production is about the management of all the elements of a show. A theatre production manager works closely with the teacher, student directors and other department heads to make important decisions regarding costuming, props lighting, sound, and marketing/promotion. This course would be for a student who is natural leader and is comfortable taking initiative. Any students interested should contact Ms. Gibbs.

VIDEO PRODUCTION 11 & 12

Students interested in journalism and with previous experience in video production should apply to this student-directed course. Students plan, create, and produce a video series under the supervision of the Yearbook advisor. Students must have strong communication skills, self-regulation skills, and self-motivation. Seats are very limited. This is a linear course paired with either an English course or Yearbook. See Ms. Ross for more details.

ARTS EDUCATION - MUSIC

Grade 8

CONCERT BAND 8

Concert Band 8 is designed to introduce students to the Secondary School Music Program. Concepts emphasized include theory, technique, tone production, and rhythm. Students will receive instruction on their instrument and will listen to and perform music in a wide variety of styles. This is a linear course offered every second day for the whole year.

Note: Guitar and piano players are welcome to enroll, but they must also play a woodwind, brass, or percussion instrument in Concert Band 8. Electric bass is acceptable.

JAZZ BAND 8

This course builds on concepts developed in Concert Band 8 and introduces students to modern big band jazz. Included in this course is an introduction to playing the blues and improvisation based on chords and scales. Ear training and playing varied styles such as swing, Latin, rock, fusion, funk, and bebop are also part of the curriculum. This course is offered outside of the timetable, after school, a couple days a week all year long.

Grade 9

CONCERT BAND 9

Suggested Prerequisite: Minimum two years' experience on primary instrument or permission of director. All elements of instrumental music, technique, style, tone, etc. are offered in an ensemble setting. Normally students in grade 9 go on their first music program band trip in the spring. This is a linear course offered every second day, all year long.

JAZZ BAND 9

Suggested Prerequisite: Minimum two years' experience on primary instrument or permission of director. Student must be registered in Concert Band 9 to participate. The Jazz Band 9 course undertakes the study of jazz style in a big band setting. Instruments included are saxophone, trombone, trumpet, drum set, bass, guitar and piano. Normally students in this course were active members of Jazz Band 8 the previous year.

VOCAL JAZZ CHOIR 9

Suggested Prerequisite: One year instrumental or vocal music in or outside of school as well as a good sense of singing in pitch.

Vocal Jazz Choir is a multi-grade linear course for students in grade 9-12. Rehearsing Tuesday and Thursday after school, vocal jazz choir delves into fundamental elements of music such as theory, listening, rhythm



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and notes (Sight-singing), expression, improvisation/scat singing skills, and harmony. Unleash your musical potential and discover the magic of jazz harmony in this immersive and vibrant choral experience!

Grade 10

CONCERT BAND 10 (2 courses)

Course content includes advanced development of all music skills primarily focusing on tone, technique, and a general knowledge of composers and musical styles. Concert Band 10 students are part of the Senior Wind Ensemble (Gr. 10-11-12). Members have the opportunity to be part of the Music Department Tour. This is a linear course offered every second day, all year long.

JAZZ BAND 10 (3 courses)

Jazz Band student must also take Concert Band 10. This course includes developing the concepts of playing in a jazz ensemble as well as improving listening and improvisation skills. Students will be introduced to advanced ear training and jazz theory. *Student taking this course will also be taught CLE withing the Jazz Band class and thus do not need to sign up for CLE as its own course.* This is a linear course offered every second day, all year long.

VOCAL JAZZ CHOIR 10

Suggested Prerequisite: One year instrumental or vocal music in or outside of school as well as a good sense of singing in pitch.

Vocal Jazz Choir is a multi-grade linear course for students in grade 9-12. Rehearsing Tuesday and Thursday after school, vocal jazz choir delves into fundamental elements of music such as theory, listening, rhythm and notes (Sight-singing), expression, improvisation/scat singing skills, and harmony. Unleash your musical potential and discover the magic of jazz harmony in this immersive and vibrant choral experience!

Grade 11

CONCERT BAND 11

Part of our most senior level wind ensemble. Course content includes advanced development of all music skills developed in previous years of band. Students in this ensemble are committed to participate in all this ensembles' performance endeavours. This is a linear course offered every second day, all year long.

JAZZ BAND/JAZZ STUDIES 11

Suggested Prerequisite: Students should have been in Grade 10 Jazz Band to enroll in this course or have permission from the director.

Students must be enrolled in both Jazz Band and Jazz Studies. Designed for students interested in playing at an advanced level and requires a high level of technical proficiency. Students in this ensemble are committed to the endeavours of the band and its many performances throughout the year.



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VOCAL JAZZ CHOIR 11

Suggested Prerequisite: One year instrumental or vocal music in or outside of school as well as a good sense of singing in pitch.

Vocal Jazz Choir is a multi-grade linear course for students in grade 9-12. Rehearsing Tuesday and Thursday after school, vocal jazz choir delves into fundamental elements of music such as theory, listening, rhythm and notes (Sight-singing), expression, improvisation/scat singing skills, and harmony. Unleash your musical potential and discover the magic of jazz harmony in this immersive and vibrant choral experience

Grade 12

CONCERT BAND 12

Part of our most senior level wind ensemble. Course content includes advanced development of all music skills developed in previous years of band. Students in this ensemble are committed to participate in all this ensembles' performance endeavours. This is a linear course offered every second day, all year long.

JAZZ BAND/JAZZ STUDIES 12

Suggested Prerequisite: Students should have been in Jazz Band/Jazz Studies 11 to enroll in this course or have permission from the director.

Students must be enrolled in both Jazz Band and Jazz Studies. Jazz Band 12 is our flagship ensemble. A course for students with a passion for learning and playing in an advanced level jazz ensemble and requires a high level of technical proficiency and commitment to the endeavours of the band and its many performances throughout the year.

VOCAL JAZZ CHOIR 12

Suggested Prerequisite: One year instrumental or vocal music in or outside of school as well as a good sense of singing in pitch.

Vocal Jazz Choir is a multi-grade linear course for students in grade 9-12. Rehearsing Tuesday and Thursday after school, vocal jazz choir delves into fundamental elements of music such as theory, listening, rhythm and notes (Sight-singing), expression, improvisation/scat singing skills, and harmony. Unleash your musical potential and discover the magic of jazz harmony in this immersive and vibrant choral experience!





CAREER EDUCATION

Grade 8

CAREERS 8

Students are given the opportunity to meet the present BC Curriculum requirements for Career Education 8 in class through a rotation in General Explorations B. Those students who cannot fit this course into their timetable will be contacted and asked to complete some on line assignments and reflections in teams.

Grade 9

CAREERS 9

It is a BC Curriculum requirement to complete some training in Career Education 9. Semiahmoo students will complete this course through participation in a variety of presentations and Take Our Kids to Work Day. These opportunities are meant to empower students to see the value they hold in making decisions about their future. All assignments and reflections for this course will be completed online in teams and assessed at the end of the school year.

Grade 10

CAREER LIFE EDUCATION 10 (CLE)

CLE helps you relate your learning in school to the demands of the world beyond. The course provides opportunities for: developing personal financial literacy skills; learning employment skills such as résumé building, interviewing, and delivering presentations; exploring career and education options; developing skills related to well-being; and learning about the grad program. This course is a graduation requirement and must be taken before enrolling in CLC 11/12.

Grade 11 & 12

CAREER LIFE CONNECTIONS (CLC) (4 CREDITS)

This course is best taken in the spring of Grade 11 as we go over applying to university and scholarships; deep research on career options; budgeting for your first year after high school; strengthening your support system by connecting with your community, mentors, and others; and preparing you for the demands of Grade 12 and beyond. We look at strategies for maintaining and improving well-being and examine your personal goals. We also guide you through the process to complete the government-mandated Capstone project. Guest speakers, field trips, and project-based learning will help us explore these areas. CLE 10 is the prerequisite for this course. *Important: A student who completes this course in Grade 11 will not be required to complete the course again in Grade 12.*

CLC CAREER PREP PROGRAM (CLC + WORK EXPERIENCE 12A) (8 CREDITS)

Professional communication is an integral part of the CLC Career Prep Program. This program fills two back-to-back blocks within the student timetable. Résumés, cover letters, and job interview skills, as well as exploring the world of workers' rights and responsibilities are covered by WEX 12A. Students are required to complete an 80-hour work placement (paid or unpaid; during school or outside of school hours) in an area of career interest. Students also complete CLC course curriculum through studying areas such as exploration of post-secondary programs; understanding of how personality and values relate to future career choice; budgeting; and development of short- and long-term goals for personal, educational, and career aspirations. Students also complete their Capstone project throughout the semester and present it at the end of the Career Prep Program.

CLC/MEDIA ARTS 11/12 (8 CREDITS)

This CLC specialty course is for students who are interested in areas such as:

- Visual arts (traditional and digital)
- Social media, marketing, & media literacy
- Creative writing & journalism
- Performing arts

Combining CLC and Media Arts allows students the opportunity to explore their areas of interests with others who feel the same. The CLC will incorporate content based on these interests, including lessons and activities, guest speakers, field studies, and more. This classroom learning community will help support student exploration of their areas of interest, including careers paths. Capstone projects are coordinated into groups that support each other. This is a great option for students who enjoy collaborative and creative learning.

Career Education Program for Grades 10,11 & 12

There are many programs available from the Surrey School District for students who wish to explore career options or develop hands-on skills in a particular area. These include partnership programs, dual credit and high school on campus courses and work experience. Additional information regarding any of the programs below can be found at <https://www.surreyschools.ca/careereducation>

District Partnership Programs - Registration in grades 10, 11 or 12

The Surrey School District, in partnership with local secondary & post-secondary institutes, offers a wide variety of Partnership Programs for students in grade 11 & 12. These enable students to begin training in a specific occupation and to save money. Surrey School District pays student tuition. Students who participate in a Partnership Program may receive 16-20 elective credits toward secondary school graduation, post-secondary credit, and/or Industry Training Authority (ITA) technical trades apprenticeship training.

*Note: applications for these programs are primarily completed in grades 10 & 11. Most specialized



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instruction is completed off site for one semester, with students returning to Semiahmoo to complete graduation requirements. Students are still registered as Semiahmoo Secondary students while they complete their course. Current programs include automotive technician, electrician, carpentry, explorations in aviation, welding, piping (plumbing), millwright, culinary arts, hairstylist, baking & pastry arts, collision & refinishing, drafting/CADD, education and early childhood education, heavy mechanical trades, painting and decorating, indigenous education pathway, construction, metal fabrication and horticulture. Students may continue studying & working in specific programs after graduation to apprentice in their chosen area of interest, seeking a higher level of certification, such as a Red Seal.

Dual Credit (tuition-free, earning both university & high school credits) and High School on Campus (post secondary) Courses - Registration in grades 10- 12 course dependant.

The Surrey School District along with Emily Carr, SFU and Kwantlen Polytechnic University (KPU) have partnered to offer students in grades 11 and 12 with an opportunity to complete a post-secondary course. Students can select from a variety of course options, which are taught by university instructors and delivered onsite. A list of course offerings and application packages are shared with schools twice each school year. Applications for the fall term are available in late April. Applications for the spring term are available in October. Past courses have included Child & Youth Care Counselling, Introductory Financial Accounting, Computer Systems, Marketing, Organizational Behavior, Health Sciences, Graphic Design, Community & Public Safety and Introduction to Legal Office Procedures. However, these course offerings may change at any time. Tuition for one course per semester may be covered by the Surrey School District and final marks will be added to a student's transcript.

Work Experience 11/12 and Youth Work in Trades -Registration in grades 11 & 12

Students may earn credits (4 credits per 90 hours of work and up to 16 credits for apprenticeship work done under a Red Seal Certified supervisor). Most hours are accumulated outside of the school timetable, but it is possible to complete 2 hours a day within a student's timetable. Students can receive high school credits for structured, part-time, paid or unpaid work in line with their future career goals.

If you are interested in applications or information regarding Partnership Programs, Dual Credit courses, Work Experience or Apprenticeships **PLEASE VISIT THE CAREER CENTRE (beside counselling)



ENGLISH LANGUAGE ARTS

Grade 8

ENGLISH 8

English Language Arts 8 equips students with the language and literacy skills for success in school, community, career, and life. It provides students the opportunity to become effective communicators, to develop and express their own ideas, and to think deeply and critically about the ideas of others.

Grade 9

ENGLISH 9

English Language Arts 9 equips students with language and literacy skills. Through exploring texts and stories students will understand themselves and make connections to others. Students will develop an understanding of how language works and the skills to use language purposefully.

Grade 10

****Students have a choice between the following three courses** all of which are paired with Composition or English First Peoples 10**

1 - New Media & Composition 10

New Media 10 studies the increasing importance of digital media in communicating and exchanging ideas. Students will have opportunities to demonstrate understanding and communicate ideas through a variety of digital and print media.

Composition 10 develops students' written communication within a supportive community of writers.

Students will work to create coherent, purposeful compositions.

Skills included:

- writing, planning, revising, and publishing
- increasing digital literacy skills
- building discussion and presentation skills
- citing sources, considering the credibility of evidence, and evaluating the quality and reliability of the source

2 - Spoken Language & Composition 10

Spoken Language 10 provides a variety of opportunities for students individually and collaboratively to study, create, and use language to produce original pieces. Through the study of text, stories, and various forms of media, students will create coherent, purposeful compositions and will have the opportunity for performance, storytelling, and public speaking.

Composition 10 develops students' written communication within a supportive community of writers.

Students will work to create coherent, purposeful compositions.

Skills included:

- writing, planning, revising, and publishing
- presenting and reflecting on performances
- developing an understanding of traditional and contemporary forms
- citing sources, considering the credibility of evidence, and evaluating the quality and reliability of the sources

3- Creative Writing & Composition 10

Creative Writing 10 provides students opportunities to build their writing skills through the exploration of identity, memory, and story in a range of genres. This course is intentionally grounded in the sampling of writing processes, inviting students to express themselves creatively as they experiment with, reflect on, and practice their writing. The following are possible areas of focus within Creative Writing 10:

- contemporary creative forms such as slam poetry, oratory, rap, drama, song, graphic novels
- creative non-fiction, historical fiction
- poetry, song lyrics
- multimodal creative forms that combine visual, written, and oral texts

Composition 10 (included with the above 3 courses)

This course develops students' written communication within a supportive community of writers. Students will work to create coherent, purposeful compositions.

Skills included:

- writing, planning, revising, and publishing
- presenting and reflecting on performances
- developing an understanding of traditional and contemporary forms
- citing sources, considering the credibility of evidence, and evaluating the quality and reliability of the sources



English First Peoples 10

EFP Literary Studies 10 is designed for all students, Aboriginal and non-Aboriginal, who are interested in exploring First Peoples literature in a variety of contexts, genres, and media. This area of choice provides students with opportunities to explore personal and cultural identities, histories, stories, and connections to land/place. This course is grounded in the understanding of how texts are historically and culturally constructed.

The following are possible areas of focus within EFP Literary Studies 10:

- Examine the Semiahmoo Band's history and connection to the school
- Thematic study of First Peoples literature (e.g., family, humour, connection to land, resistance, belonging, identity)
- Locally developed First Peoples texts
- Specific First Nations, Métis, or Inuit author study
- First Peoples children's literature
- Oral Storytelling and Storytelling in a First Peoples context

Grade 11

You are required to take one of the following 2 courses

1 - Composition 11

This course is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students will read and study compositions by other writers and be exposed to a variety of styles as models for the development of their writing. The course provides opportunities for students to, with increasing independence, study, create, and write original and authentic pieces for a range of purposes and real-world audiences. They will expand their competencies through processes of drafting, reflecting, and revising to build a body of work that demonstrates expanding breadth, depth, and evidence of writing for a range of situations.

Focus:

- narrative, expository, descriptive, persuasive, and opinion pieces
- planning, drafting, and editing processes
- writing for specific audiences and specific disciplines
- how to cite sources, consider the credibility of evidence, and evaluate the quality and reliability of the source

2 - Literary Studies 11

This course allows students to delve deeply into literature. Students can explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media.

Focus:

- close reading of appropriately challenging texts
- planning, drafting, and editing processes for a variety of writing tasks
- understanding of self and the world
- higher-level thinking and learning skills

Grade 12

You are required to take one of the following 2 courses

ENGLISH 12

Develops the skills and knowledge needed for higher-level communication. It will further extend students' knowledge and appreciation of literature.

ENGLISH FIRST PEOPLES 12

English First Peoples 12 builds upon and extends students' previous learning experiences in EPF 10 and English 11 courses. The course is grounded in the First Peoples Principles of Learning and is designed for all students, Indigenous and non-Indigenous. This course explores the English core competencies through engagement with authentic oral and written First Peoples' stories and accounts. It recognizes the power of storytelling and voice to the process of reconciliation and fostering justice. The course focuses on experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. Students will explore what constitutes culture, and how differences between cultures can lead to ethnocentrism, prejudice, stereotyping and racism. A key component of the course will be an exploration of the local Semiahmoo band's history and its connection to Semiahmoo Secondary.

EXPLORATIONS A & B

Grade 8

GENERAL EXPLORATIONS 8 A - ADST

General Explorations 8 A is a required course for all Grade 8 students. This is an introductory course, which provides experiences in the following areas:

1. **Home Economics** - In Foods 8 we will learn the basics of kitchen safety while cooking a variety of foods including, cinnamon pinwheels, pizza, and stir fry. In Textiles 8 we will learn about sewing machines and hand sewing. We will design and create a small stuffie and a pair of pajama shorts.
2. **Technology Education** - Students will get a chance to experience drafting and design principles as they get to build projects from wood and metal. They will be asked to use their creativity to guide them as they design and build various projects over the ten weeks. Students will learn about shop safety and the proper use of hand tools and machinery. Students will complete projects and learn to work cooperatively. Emphasis is on developing good work habits.

GENERAL EXPLORATIONS 8 B - ADST

This is a foundation course including study in both arts, technology, media arts, and career education.

Visual Art 8 - Grade 8 students will experience work in both two-dimensional and three-dimensional forms. Many of the skills in art foundations will be explored, including color theory, elements and principles of design and basic areas of visual expression.

Drama 8 - Students will participate in a variety of creative activities that introduce nonverbal and verbal communication. The basics of staging and voice will be highlighted. The focus at this level is on working cooperatively.

Computer Studies & Communication Devices 8 - The two goals of this course will be: (A) Developing skills for using a computer in an academic / business setting (Microsoft Word and PowerPoint). We will learn how to use: Tables, Heading Formats, Images & How to wrap text around them. (B) Multimedia (video editing in Adobe Premiere). We will learn how to put together: photos, videos, sound effects, background music to make small videos.

Careers 8 - Students are given the opportunity to meet the present BC Curriculum requirements for Career Education 8 in class through a rotation in ADST 8. Those students who cannot fit this course into their timetable will be contacted and asked to complete some on line assignments and reflections in teams.

INTERNATIONAL BACCALAUREATE (IB) PROGRAM

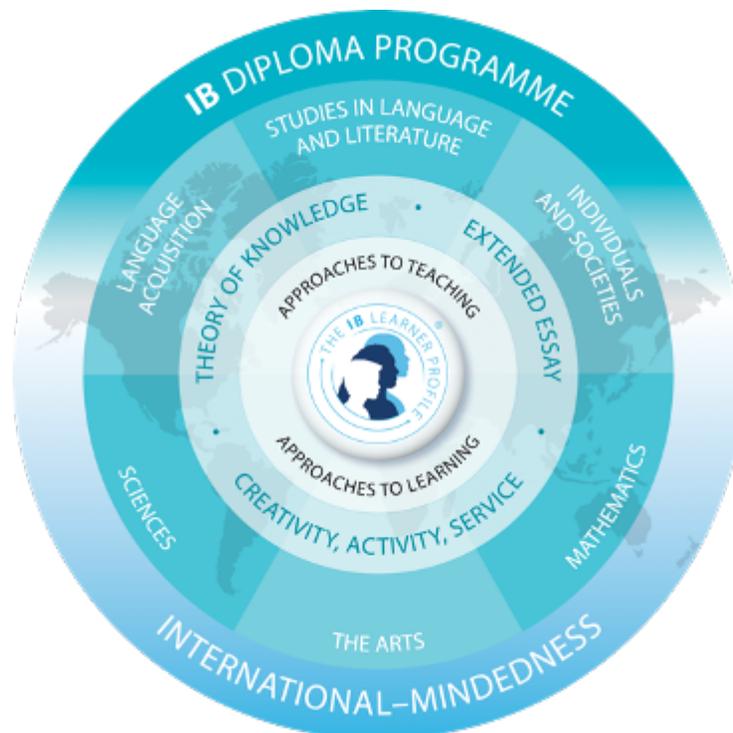


The IB Diploma Program (DP) is a rigorous, academically challenging, and balanced program of education designed to prepare students aged 16 to 19 for success at university and in life. The DP aims to encourage students to be knowledgeable, inquiring, caring, open-minded and to develop intercultural understanding and the attitudes necessary to appreciate a range of viewpoints.

The DP provides the opportunity to develop both disciplinary and inter-disciplinary knowledge that meets the rigorous standards set by institutions of higher learning around the world.

To ensure both breadth and depth of knowledge and understanding, students choose courses from the following subject groups: studies in literature; language acquisition; individuals and societies; sciences; mathematics; and the arts. Most subjects may be taken at either standard level (SL) or higher level (HL).

To earn the full diploma a student must take three subjects in HL and three subjects in SL. In addition, three core elements—the extended essay, theory of knowledge and creativity, activity, service—are compulsory and central to the philosophy of the program.



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ADMISSION REQUIREMENTS:

Students must complete the application package available online at www.IBSemiahmoo.ca/apply. Due to limited space, admission to the program may not be available, but a waitlist will be maintained.

Applications for the Diploma Program are open from mid-November to mid-December. Applications for the Certificate Program runs concurrently with course selection during late January and February. Please check www.IBSemiahmoo.ca/apply for specific dates.

Applicants must have credits for all Grade 10 required courses by the time they start the IB program. To prepare for admission to the IB Program, it is recommended that students gain a breadth of experience in community service, leadership, athletics, fine arts, and extracurricular academics, such as robotics camp, essay competitions, and science fairs.

PROGRAM REQUIREMENTS:

IB Diploma Students can select three Higher Level (HL) and three Standard Level (SL) courses from three Pathways of Choice. Pathways are intended to allow students to enroll in the IB courses for a given career path:

1. Natural Sciences: Engineering, Mathematics, Physics, Computer Science
2. Life Sciences: Biology, Biochemistry, Environmental Sciences, Pre-Medicine
3. Humanities: English, Languages, History, Fine Arts, Business, Pre-Law, Political Science

You can be more flexible and consider choosing subjects from different pathways depending on your strengths and weaknesses. However, you need to be aware of university entrance requirements. Although not all career paths are represented. If unsure which courses to choose, an appointment can be made with the IB Coordinator to discuss the choice of subjects that best fits each student's aspirations.

The two-year course options within the pathways of choice are below. HL courses take three semesters to complete for two years, and SL courses require two semesters for two years. Course students select from one to three courses only at a Higher Level and/or Language acquisition courses at a Standard Level.



SEMAHMOO SECONDARY COURSE GUIDE

PATHWAYS OF CHOICE:

	Group of subjects	Engineering/ Math/ Computer Science	Life Sciences/ Pre-Medicine/ Dentistry	Humanities/ Languages/ Pre-Law/ Business
1	Language A	English A SL or HL	English A SL or HL	English A HL or SL
2	Language Acquisition	French B SL OR Spanish B SL	French B SL OR Spanish B SL	French B SL OR Spanish B SL
3	Individuals and Societies	Geography SL or HL OR History SL or HL	Geography SL or HL OR History SL or HL	History SL or HL OR Geography SL or HL
4	Experimental Sciences	Both needed: Physics HL Chemistry HL	Both needed: Biology HL Chemistry HL	Biology SL
5	Math	Math A & A HL	Math A & A SL or HL	Math A & A SL (or Math A & A HL recommended for Business)
6	The Arts - Visual Arts (an elective course)			
CORE: TOK, Extended Essay, CAS		CORE	CORE	CORE



COURSE DESCRIPTORS

GROUP 1:

IB ENGLISH (SL/HL)

IB English is a rigorous course that makes an in-depth examination of the major elements of literature. In it, students engage in independent literary criticism in a manner that reveals a personal response to literature. They learn to express ideas with clarity, coherence, and fluency in both written and oral communication as well as appreciate the similarities and differences between literary works from different time periods and cultures. The course prepares students for the demands that will be placed on their written and oral communication skills in the post-secondary system. Furthermore, the course is envisaged as a vehicle to enrich the international awareness of participants; to develop in them the attitudes of tolerance, empathy, and a genuine respect for perspectives different from their own.

GROUP 2:

IB FRENCH B (SL)

IB French is a language-learning course designed for students with some previous learning of that language. The main focus of the course is on language acquisition and development of language skills. These language skills should be developed through the study and use of a range of written and spoken material. Such material will extend from everyday oral exchanges to literary texts and is related to the culture concerned. The taught material will enable students to develop mastery of language skills and intercultural understanding. IB French B (SL) is completed within one year.

IB SPANISH B (SL)

IB Spanish is a combination of Spanish 11, 12 and first year university Spanish. It is a language course designed for students with a background in Spanish (Sp9 and Sp10 are mandatory). The focus of the course is on language acquisition and the development of language skills. The course is conducted entirely in Spanish and focuses on intercultural understanding. Students will learn to communicate effectively in Spanish, both orally and in writing, and will read a variety of novels, texts, short stories and articles in the target language. A commitment to reading is required. IB Spanish B(SL) is completed in one year.

GROUP 3:

IB GEOGRAPHY (SL/HL)

IB Geography (Standard and Higher Level) is a two-year course that covers both physical and human geography. Topics include understanding and managing physical hazards such as earthquakes, hurricanes, and droughts. Students look at the challenges and opportunities for humans in extreme environments like deserts and the far North. Students analyze changing patterns in population, migration, gender issues, resource consumption, and wealth over time and between the developed and developing world. In HL Geography, there is also a focus on the advent of globalization with increasing integration of the global economy and the positive and negative socio-economic impacts.

IB HISTORY SL/HL

The IB History curriculum covers a wide range of events predominantly from 20th century history. Topics include Tsarist Russia through the Revolution of 1917, both World Wars, and the Cold War. But the course is so much more. Not satisfied with only knowing what happened, we explore why and how by asking tough - even controversial - questions, and by challenging accepted beliefs. Over the two years of the program, we will make connections from the past, not only to identify immediate consequences, but to also learn how events of the past affect us today.

GROUP 4:

IB BIOLOGY (SL/HL)

Students aim to question, investigate, and understand the living world at all levels using many different approaches and techniques. In year one, students explore molecular biology, the cell, genetics, evolution, ecology, and biodiversity. In year two, students further their understanding of the interconnectedness of the living world through the study of metabolism, human physiology, and plant biology. Students have opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. The nature of science, as an overarching theme, will allow students to appreciate the global context of scientific study.

IB CHEMISTRY (HL)

This course will introduce scientific techniques for Measurement and Data Processing. We will explore Stoichiometric Relationships, Atomic Structure, trends in Periodicity, Chemical Bonding, Energetics, Chemical Kinetics, Equilibrium, Acids and Bases, Electrochemistry and Organic Chemistry. This two-year course combines academic study and the development of practical and investigational skills. Students will use the scientific method, developing and testing hypotheses, critically analyzing their results, and concluding based on their experimental data.



IB PHYSICS (HL)

This two-year course will provide students with an understanding of the dual nature of Physics both theoretical and practical as well as it will increase their command of the use of Mathematics as the language of Physics. This course will explore concepts ranging from Newtonian mechanics up to modern Physics; it has a heavy emphasis on laboratory work as an integral part of the learning process.

A main objective is to challenge students to think about and analyze how physical principles have been applied to construct and alter our material world to suit our needs. This raises the issue of the impact of physics on society, the moral and ethical dilemmas, and the social, economic, and environmental implications of the work of physicists. Students will also explore the international context within which physics exists and examine issues from more than one side.

GROUP 5:**IB MATH ANALYSIS AND APPROACHES (A&A) SL OR HL 11**

Pre-Calculus 11 strongly recommended

In the first year of the two-year Diploma Programme, students will enroll in either A&A Standard Level or A&A Higher Level. Both courses are one semester in length and cover much of what is covered in Pre-Calculus 12, but the Higher-Level course focuses on developing mathematical concepts in a more comprehensive, coherent, and rigorous way. In the second year of the Diploma Programme, students who complete A&A SL 11 will continue with A&A SL 12 which meets every other day all year. Students who successfully complete A&A HL 11 will continue with A&A HL 12 which meets every day all year. Students who struggle with A&A HL 11 may switch to A&A SL 12 at the start of the second year, keeping in mind that one of their other SL classes will need to switch to an HL class.

Graphing calculator is required.

IB MATH ANALYSIS AND APPROACHES (A&A) SL 12

At least a 3 in IB Mathematics 11 SL strongly recommended

The IB Diploma Programme mathematics standard level course is for students with knowledge of basic mathematical concepts who are able to apply simple mathematical techniques correctly. The course provides students with a sound mathematical background to prepare for future studies in subjects such as chemistry, economics, psychology, and business administration. Students will be introduced to important mathematical concepts through the development of mathematical techniques in a way that emphasizes subject comprehension rather than mathematical rigour. Students should, where possible, apply the acquired mathematical knowledge to solve realistic problems. Students will explore a topic of their own choosing and develop a reasoned and reflective paper called a Mathematical Exploration.

Graphing calculator is required.

IB MATH ANALYSIS AND APPROACHES (A&A) HL 12

At least a 5 in IB Mathematics 11 HL strongly recommended

The IB Diploma Programme A&A higher level course is for students with a strong background in mathematics and competence in a range of analytical and technical skills. Students will be likely to include mathematics as a major component of university studies—either in its own right or within courses such as physics, engineering or technology. The course focuses on developing important mathematical concepts in a comprehensive, coherent, and rigorous way through a balanced approach. Students will explore a topic of their own choosing and develop a reasoned and reflective paper called a Mathematical Exploration.

Graphing calculator is required.

GROUP 6:**IB VISUAL ARTS (HL)**

The IB Visual Arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to further study of visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts.

CORE:**THEORY OF KNOWLEDGE (TOK)**

As a course, the Theory of Knowledge is centered at the heart of the International Baccalaureate program. Students will have the opportunity to reflect on themselves as knowers in the act of knowing. The core theme, therefore, is “Knowledge and the Knower” and will ask “What shapes my perspective?” This emphasis will be supplemented with an investigation into two of the following optional themes: Knowledge and technology, Knowledge and language, Knowledge and indigenous societies, Knowledge and politics and Knowledge and religion.

They will be challenged to reflect critically and become increasingly aware of the complexity of their knowledge. In this course, they will delve deeply into the foundations of knowledge, comparing, contrasting, and making connections between the five different areas of knowledge (AOK). These AOKs will become the subjects of critical inquiry as they explore what it means to “know” in each area as they also examine the ethical issues and the different ways of knowing that are prominent in each area.

EXTENDED ESSAY (EE)

Extended Essay, a compulsory requirement of the IB Diploma Programme, is an independent research-based essay of maximum 4,000 words written under the guidance of a schoolteacher-supervisor.

The Extended Essay demands an in-depth study of a student-chosen topic that is aligned with one of the IB Subject Areas. The aims of the EE are to provide students with the opportunity to:

- conduct independent research on a focused topic
- form a clear and arguable research question/thesis
- develop research, communication and writing skills
- develop critical and creative thinking
- learn how to properly document sources used in paper
- experience the excitement of intellectual discovery

By completing the Extended Essay, the Diploma Candidates will be well prepared for the expectations of any college or university for research and writing assignments.

CREATIVITY ACTION SERVICE (CAS)

Creativity: Exploring and extending ideas leading to an original or interpretative product or performance

Activity: Physical exertion contributing to a healthy lifestyle

Service: Collaborative and reciprocal engagement with the community in response to an authentic need

CAS complements the academic demands of the IB Diploma programme and offers a balance to academic pursuits developing the whole person. CAS is experiential learning. In addition to academic/intellectual skills, CAS engages other intelligences in order for students to learn by doing. Key to a student's CAS program is personal engagement, choice, and enjoyment of CAS experiences. Students can fulfill their CAS requirements through the many extra-curricular activities available at Semiahmoo, but many CAS experiences can also be completed out of school. Students should undertake a variety of CAS experiences, ideally on a weekly basis, for a minimum of 18 months. They must also undertake at least one CAS project with a minimum duration of one month. Students reflect on CAS experiences at significant moments throughout CAS and maintain a CAS portfolio. Using evidence from their portfolio, students will demonstrate achievement of the seven CAS learning outcomes. Students will attend a monthly mandatory CAS class in Year 1 for lessons, activities and portfolio working time and will participate in three formal interviews with their CAS supervisor.

LANGUAGES

Grade 8

FRENCH 8

This course builds upon acquired knowledge and skills from elementary school, to offer students an opportunity to increase their level of competence in listening, speaking, reading and writing. Students will learn French through Comprehensible Input methodologies, like storytelling, story-asking, Movie Talk, Picture Talk, among others. Students will be immersed right from the beginning in a communicative environment, that resembles the way we learned our first language: a relaxed, fun and caring environment that focuses on acquiring language not learning about it.

Due to the cooperative nature of this course, regular attendance is very important.

Grade 9

FRENCH 9

As students gain proficiency in French, they will learn to communicate clearly and effectively in the target language. Students will be able to narrate stories orally and in writing, they will engage in short conversations and will be able to express themselves with growing fluency.

Due to the cooperative nature of this course, regular attendance is very important.

SPANISH 9

This course is an introductory Spanish course for those students that have little or no background in Spanish. Students will learn Spanish through Comprehensible Input methodologies, like storytelling, story-asking, Movie Talk, Picture Talk, among others. Students will be immersed in the language right from the beginning, in a communicative environment, that resembles the way we learn our first language: a relaxed, fun and caring environment that focuses on acquiring the language not on learning about it.

Grade 10

FRENCH 10

Students will continue developing their abilities to communicate effectively in French through listening, speaking, reading, and writing. Due to the cooperative nature of this course, regular attendance is very important.

SPANISH 10

As students gain proficiency in Spanish they will learn to communicate clearly and effectively in the target language. Students will be able to narrate stories orally and in writing, they will engage in short conversations and will be able to express themselves with growing fluency: ask and respond to a variety of questions, describe situations, express opinions on familiar topics, express hopes, and desires, among other things.

Grade 11

FRENCH 11

Students will continue their acquisition process by listening, reading, and creating stories. Students will read novels in the target language and be able to make intercultural connections. A deep understanding of the culture of the target language will be developed. By the end of the course, students will feel more confident in their ability to communicate both orally and in writing in the target language.

SPANISH 11

Students will continue their acquisition process by listening, reading, and creating stories. Students will read novels in the target language and be able to make intercultural connections. A deep understanding of the culture of the target language will be developed. By the end of the course, students will feel more confident in their ability to communicate both orally and in writing in the target language.

Grade 12

FRENCH 12

Students will continue their acquisition process by listening, reading, and creating stories. Students will read novels and articles in the target language and be able to make intercultural connections. They will also listen to podcasts and watch documentaries and be able to talk about their understanding of the topics discussed. A deep understanding of the culture of the target language will be developed. By the end of the course, students will feel more confident in their ability to communicate both orally and in writing in the target language.

SPANISH 12

Students will continue their acquisition process by listening, reading, and creating stories. Students will read novels and articles in the target language and be able to make intercultural connections. They will also listen to podcasts and watch documentaries and be able to talk about their understanding of the topics discussed. A deep understanding of the culture of the target language will be developed. By the end of the course, students will feel more confident in their ability to communicate both orally and in writing in the target language.

LEADERSHIP

Grade 9

LEADERSHIP 9

This course offers students the chance to learn and practice leadership skills. The main goals of the Leadership 9 course are to provide students with an opportunity to assess their personal leadership strengths, to analyze community needs, and to work collaboratively on projects based on these needs. Topics to be covered include organizational skills, communication skills, leadership styles, event planning, motivation, and group dynamics. In the process, students will make a positive difference for others at Semiahmoo Secondary and in the local community.

*Students who want to participate in this course must apply and have a recommendation from a teacher.

Grade 11 & 12

STUDENT LEADERSHIP 11/12 - Level One

This course is designed to provide a basic introduction to leadership by focusing on what it means to be a good leader. Emphasis in the course is on the practice of leadership. Through class activities, readings, guest lecturers, and event planning, students learn about different styles of leadership and develop their own leadership skills. Students organize school-wide events such as the Terry Fox Run and the "Spirit of Semiahmoo" Christmas Dinner for less-fortunate families. Students also develop their public speaking skills and learn how to chair a meeting. This is a linear course and students are selected through an applications process.

STUDENT LEADERSHIP 11/12 - Level Two

Students taking the course for the second time will still participate in all of the activities in Level 1 but also get the opportunity to take on more leadership roles within the group. Students practice their skills from Level One and learn skills for handling conflict; addressing ethics in leadership; and overcoming obstacles. Students assess their leadership traits and skills to improve their own leadership performance. This is a linear course and students are selected through an applications process.

Note: As a linear course, Grade 11 students will be backed with CLC and Grade 12 students will be backed with a study block if they already have CLC.



LIBRARY SCIENCES

Grade 11

LIBRARY SCIENCE 11

Library Science is a Surrey School District developed elective course. Library Science is a two-part course: the first part of the course is work experience where the student gains knowledge as to how the library functions, how to do learned tasks independently and to work with the public in a friendly and confident manner. The second half of the course is academic where students learn to research effectively to gain deep knowledge of a subject and to present a well-constructed project for presentation. This is a good precursor to social science and research-based courses in university.

Grade 12

LIBRARY SCIENCE 12.

Pre-requisite: Library Science 11. The intent of Library Science 12 is to provide students with advanced research skills and citation skills that will carry them beyond high school and into their post-secondary academic pursuits and their adult careers.



MATHEMATICS

Policy for Challenging Math Courses

All Grade 8's:

- All grade 8 students will be enrolled in Scimatics 8. Which means there is no avenue to challenge or skip Math 8 at Semiahmoo Secondary.

Returning students:

Grade 9's:

- Grade 9 students who wish to challenge Math 9 at Semiahmoo Secondary must do so in the Spring or Summer of the previous year.
- If students are successful in the challenge process, they will be enrolled in Math 10 only IF there is space available in the course. Priority will go to those students who are in Grade 10.

Grade 10's:

- It is Semiahmoo Secondary's strong recommendation that students in Grade 10 take Math 10 at the school and not online or through the challenge process.
- If the challenge process is chosen, then students wishing to challenge Math 10 must do so in the Spring or Summer of the previous year.
- If students are successful in the challenge process, they will be enrolled in Math 11 only IF there is space available in the course. Priority will go to those students who are in Grade 11.

Grade 11's:

- It is Semiahmoo Secondary's strong recommendation that students in Grade 11 take Math 11 at the school and not online or through the challenge process.
- If the challenge process is chosen, then students wishing to challenge Math 11 must do so in the Spring or Summer of the previous year.
- If students are successful in the challenge process, they will be enrolled in Math 12 only IF there is space available in the course. Priority will go to those students who are in Grade 12.

New Students

- New students may have the opportunity to challenge a math course if timing and space allows.
- Students who take the challenge exam in September will not have changes made to their first semester schedule. The student's counsellor will look to see if there is a class in the second semester available for the student to enter. Again, priority is given to students in that grade level (ex: grade 11 students have priority for grade 11 courses.)

** It is Semiahmoo Secondary's Policy that students may only challenge courses, one year ahead. Meaning, Grade 9 students cannot be enrolled in a Math 11 course and Grade 10 students cannot be enrolled in a Math 12 course.



Grade 8

SCIMATICS 8

Students in Scimatics 8 develop their knowledge and skills of both Math and Science through solving problems with others, carrying out their own investigations, and by exploring the local environment. As students apply their knowledge across disciplines they will make meaningful connections between math and science, as well as to their own lives. At the end of Scimatics 8 students will be better able to understand, interpret, and contribute positively to the world around them. Please note, all students in grade eight are enrolled into Scimatics 8.

Grade 9

MATHEMATICS 9

The Mathematics 9 curriculum is designed to encourage a deeper understanding of the following key concepts through concept-based learning.

1. Rational numbers and number operations are powerful tools for understanding and exploring the world around us.
2. Proportional reasoning using similar figures helps to reveal the essential relationship between their attributes so that we can exploit their properties to fuel innovation.
3. Recognizing and extending patterns allows us to make generalizations and accurate predictions. Continuous linear relations can be represented in many connected ways.
4. Representing complex relationships using algebraic expressions and equations can help us solve problems with greater accuracy and speed.
5. Understanding the use of probability and statistics in society empowers us to interpret data critically and make informed decisions.

MATHEMATICS 9 TRANSITIONS

This course is for students who have received an Emerging in Mathematics 8 and who intend to meet their mathematics graduation requirements with **Workplace Mathematics 10** and **Workplace Mathematics 11** and who plan to enter the workforce upon graduation.

Grade 10

***Students have a choice between the following 2 courses:**

1. **WORKPLACE MATHEMATICS 10**

WM 10 provides students with skills necessary to be informed citizens, prepares them to become confident in using mathematics in the workplace and prepares them for a number of vocational and trade programs. Topics include algebra, geometry, measurement, number, statistics, and probability. Upon successful completion of this course, students will enroll in **Workplace Mathematics 11**.



2. FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10

Foundations of Mathematics and Pre-Calculus 10 provides a more theoretical focus than the other pathways, to prepare students for advanced studies in mathematics. Students intending to study mathematics, science, and/or engineering at the post-secondary level should take this course, as it is the prerequisite for both **Foundations of Mathematics 11** and **Pre-Calculus 11**.

Grade 11

WORKPLACE MATHEMATICS 11

WM 11 satisfies the Ministry Graduation requirement for a mathematics course at the Grade 11 level. The common core topics are problem solving techniques, measurements, data analysis, income and budgeting, business finance, investment, loans, insurance, and cost of housing. This course cannot be used for university entrance.

Or FOUNDATIONS OF MATHEMATICS 11

Foundations of Mathematics and Pre-Calculus 10 strongly recommended.

This pathway 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, such as Sociology, Politics, Psychology, Arts or Humanities. Topics include measurement (rates and scales), geometric reasoning (angles and triangles), non-right triangle trigonometry, logical reasoning, spatial puzzles, statistics (normal distribution, interpretation of statistical data), 2-variable linear inequalities, quadratic functions, and history of mathematics.

Or PRE-CALCULUS 11

C+ in Foundations of Mathematics and Pre-Calculus 10 strongly recommended

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require the study of theoretical calculus, such as mathematics, science, engineering, medicine, or commerce. Topics include algebra and number, trigonometry, and relations and functions. **Pre-Calculus 11** is required for entrance to many universities and technical schools.

Grade 12

FOUNDATIONS OF MATHEMATICS 12:

This course is designed to develop the skills required for mathematical modelling including the use of technology to represent and model the observed behaviour of quantities that arise in the sciences, personal finance, probability, statistics, and geometry. Topics include geometrical constructions, financial planning, probability, combinatorics, and regression analysis using polynomial, exponential, logarithmic and sinusoidal functions. This course is not intended for students preparing to take Calculus.

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PRE-CALCULUS 12 (*C+ in Pre-Calculus 11 strongly recommended*)

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require the study of theoretical calculus, such as mathematics, science, engineering, medicine, or commerce. Topics include algebra and number, sequences and series, function analysis and mathematical modelling.

Graphing calculator is required.

CALCULUS 12 (*B in Pre-Calculus 12 strongly recommended*)

This course is highly recommended for students planning to study calculus at the post-secondary level. It surveys the main topics that will be covered in first and second semester university courses including limits, differentiation and its applications, integration, and its applications. The BC Calculus Challenge exam is available for those students who want to challenge first semester calculus at UBC, SFU, UVic and UNBC.

Graphing calculator is required.



PEER TUTORING

Grade 11 & 12

PEER TUTORING 11 (Introductory)

Offers the opportunity for students to explore and recognize how people learn, including themselves. Students will be provided with opportunities to learn positive role modeling, interpersonal skills, empathy, leadership, teamwork and conflict management strategies. There will be a focus on positive, personal and social interactions with others, with the intention of contributing to the overall culture of a safe and healthy school. Peer tutoring is a participation-based course that provides students the opportunity to be proactive in providing assistance and mentorship to others in their school community. Students will work under teacher supervision in a variety of learning contexts where they will personally engage and build connections. A student will have a basic understanding of Learning Disabilities, ADHD and other factors which impact on student learning and achievement. They will understand the purpose and need for effective communication skills, the variety of teaching & learning styles that people have, and the effectiveness of teaching others as a means to developing a greater competence with curricula.

PEER TUTORING 12 (Advanced)

Expands on leadership & tutoring skills built during the introductory course. Various skills, attributes, and knowledge will be sharpened to become a successful leader in helping others to learn. Students will learn about a variety of student learning styles, communication skills, memory techniques, thinking skills, reading strategies, and/or organizational skills. Students will focus on applying these skills in any or all of the following tutoring settings: large group, small group, one-on-one. This course allows students to enhance their sense of connectivity to their school and instills a sense of ownership of their learning through creative and critical thinking. Students will have a greater understanding of the complexity of the teaching-learning process, and the importance of the human relationship in that progression.

PHYSICAL & HEALTH EDUCATION

Grade 8

PHYSICAL & HEALTH EDUCATION 8

The goal of our physical and health education program is to instill an appreciation for an understanding of the benefits of leading an active and healthy lifestyle. Students will engage in the course content through four curricular competencies: physical literacy, healthy and active living, social and community health, and mental well-being. Students will learn how daily participation in physical activity, making healthy choices, building healthy relationships, and advocating for the health and well-being of others influences their physical, emotional, and mental health.

Grade 9

PHYSICAL & HEALTH EDUCATION 9

The goal of our physical and health education program is to instill an appreciation for an understanding of the benefits of leading an active and healthy lifestyle. Students will engage in the course content through four curricular competencies: physical literacy, healthy and active living, social and community health, and mental well-being. Students will learn how daily participation in physical activity, making healthy choices, building healthy relationships, and advocating for the health and well-being of others influences their physical, emotional, and mental health.

Grade 10

***Students have a choice between the following 4 courses:**

HEALTH AND WELLNESS 10

Students will explore the importance of physical and mental well-being through a variety of fitness routines, games, outdoor pursuits, classroom wellness lessons and workshops. They will be encouraged to continue and create healthy living habits and explore activities that promote a life-long active lifestyle. Students will be able to create individual goals related to their personal health and wellness in a safe and nurturing environment. This course seeks to provide students with the opportunity to create and engage in a balanced approach to health and wellness.

PHE & ATHLETIC SERVICES 10 (2 courses)

This course allows students to develop, enhance and apply collaborative skills in physically active leadership settings. Students will have many schools and community sport responsibilities and an application with references is required for this course. This course is yearlong and linear with Career Life Education and students will be expected to put time in outside of class time.



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PHE COMPETITIVE 10

Emphasizes skill refinement, strategies, and performance enhancement to excel in sports and other physical activities. This course is ideal for students interested in more advanced skills and tactics training in a competitive environment.

PHE LEARNING 10

Emphasizes holistic development, nurturing fundamental movement skills, promoting health awareness, and fostering a positive attitude towards physical activity. The focus is to develop physical literacy, including motor skills, coordination, teamwork, and overall fitness.

Grade 11 & 12

ACTIVE LIVING 11/12

The goal of our physical and health education program is to instill an appreciation for and an understanding of the benefits of leading an active and healthy lifestyle. Students will engage in the course content through three curricular competencies: health and well-being, safety, and participation. Students will learn how physical activity is an important part of overall health and that finding enjoyable activities can motivate people to routinely pursue opportunities to be active. They will also learn how to safely participate in physical activities to prevent injuries and lead a lifelong active and healthy lifestyle.

HEALTH AND WELLNESS 11/12

Students will explore the importance of physical and mental well-being through a variety of fitness routines, games, outdoor pursuits, classroom wellness lessons and workshops. They will be encouraged to continue and create healthy living habits and explore activities that promote a life-long active lifestyle. Students will be able to create individual goals related to their personal health and wellness in a safe and nurturing environment. This course seeks to provide students with the opportunity to create and engage in a balanced approach to health and wellness.

INTRAMURAL LEADERSHIP 11/12

Designed for the leader in you. This course allows students to develop, enhance and apply collaborative skills in a physical active leadership setting. Students are responsible for organizing, implementing, and designing the lunch time Intramural program. This is a linear course and runs outside the schools timetable.

*Students who want to participate in this course must apply and have a recommendation from a teacher.

OUTDOOR EDUCATION 11/12

Find your adventurous spirit. Students develop knowledge, skills, and an appreciation for the outdoors by participating in a wide variety of outdoor experiences such as rock climbing, cycling, kayaking, camping, and hiking, just to name a few. Ideal for students wanting to create lifelong memories and with a career interest in the adventure recreation fields, tourism, resource management and ecotourism.



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STRENGTH AND CONDITIONING 11/12

This course will give students the tools and resources needed to be physically fit and healthy for a lifetime. This course involves vigorous physical activity designed to improve student's fitness and knowledge of maintaining a healthy lifestyle. Students will be able to develop an individual training program that includes all aspects of health-related fitness including muscular strength, muscular endurance and cardiovascular endurance. These programs will be designed in order to reach personal health related goals. This course is open to all students.



SCIENCE

Grade 8

SCIMATICS 8

Students in Scimatics 8 develop their knowledge and skills of both Math and Science 8 through solving problems with others, carrying out their own investigations, and by exploring the local environment. As students apply their knowledge across disciplines they will make meaningful connections between math and science, as well as to their own lives. At the end of Scimatics 8 students will be better able to understand, interpret, and contribute positively to the world around them. Please note, all students in grade eight are enrolled into Scimatics 8.

Grade 9

SCIENCE 9

Science 9 builds upon the basic foundations and skills learned in Science 8. In biology, students expand on their knowledge of cells by learning about cell division, mitosis, meiosis, and their roles in reproduction. In Chemistry, students will further their understanding of the atom by exploring how the arrangement of electrons impact the atom's chemical nature. In Physics, students will dive into the world of electricity and study circuits, voltage, and resistance. In Cycles, students will learn the importance of nutrient cycling and its significance in sustainability of ecosystems. Inquiry based projects and laboratory work will allow students to communicate their learning of the big ideas in each unit.

Grade 10

SCIENCE 10

Students will be inquiring the world around them through four major topics: Genetics, chemistry, energy, and astronomy. The genetics section will be exploring how DNA is the basis for the diversity of living things. Chemistry builds upon student's knowledge of chemical formula and reactions, as well as investigates the energy change required as atoms rearrange in chemical processes. Students will engage in energy and how it is conserved, and its transformation can affect living things and the environment. Additionally, students will study the formation of the universe and explain this process using the big bang theory. Science 10 is the final year before the science curriculum branches off into their respective focuses.



Grade 11

CHEMISTRY 11

This course is a survey course which will give students the opportunity to explore many branches of chemistry while building upon the foundational science skills they have gained in previous science courses. The course will have students navigate through the study of matter, chemical reactions, mole/stoichiometry calculations, atomic theory, solutions, and organic chemistry. Students will have opportunities to gain lab skills where they will use scientific techniques to record observations and measurements. Students will collect data, analyze their results, and report their findings in a scientific manner. Strong mathematical skills are recommended.

LIFE SCIENCE 11

Life Science 11 is a lab-oriented course designed to introduce students to the history and diversity of life on earth. Through the exploration of Curricular Competencies students will learn to evaluate their methods and experimental conditions, interpret graphs, diagrams, and models, and critically analyze the validity of scientific sources. This course introduces students to a variety of technical skills including work in microscopy and dissections. The three main themes in Life Sciences 11 are characteristics of living things, processes of evolution, and taxonomy. Under these themes, the curriculum will specifically cover ideas around basic cell biology, biodiversity, evolution, viruses, taxonomy, microbiology, botany, zoology, and ecology. Students will learn about how scientists classify living things and examine specific features and adaptations of a variety of organisms. Life Sciences 11 demands that students be prepared to develop strong scientific academic writing techniques and an understanding of biological terminology as the course progresses. These skills are also extended into Anatomy and Physiology 12 and will prove beneficial for first year biology courses in post-secondary institutions.

Curricular Big Ideas: Life is a result of interactions at the molecular and cellular levels, Evolution occurs at the population level, Organisms are grouped based on common characteristics.

PHYSICS 11

Emphasizes problem solving, data collection and integration. The main topics include kinematics, dynamics, energy, wave phenomenon and the theory of special relativity.

SCIENCE FOR CITIZENS 11

Science for Citizens 11 is a course for students wanting to explore the science of everyday life with a focus on the workplace. Units studied include climate change, wellness, natural disasters, and resources with a connection to modern technology.



Grade 12

ANATOMY AND PHYSIOLOGY 12

Human Anatomy and Physiology 12 is a demanding academic course that focuses on the complexities and interrelationships between genetics, organs systems, and homeostasis. These topics are explored through curricular competencies and practical science proficiencies that emulate scientific study and investigation. A strong language background along with Life Science, and/or Chemistry and Math 11 complement this course by establishing the needed foundations for experimentation, microscopy and dissection skills that are further developed from a grade 12 biological science perspective.

Curricular Big Ideas: Homeostasis is maintained through physiological processes, Gene Expression through protein synthesis is an interaction between genes and the environment, Organ Systems have complex interrelationships to maintain homeostasis.

CHEMISTRY 12

This course builds on Chemistry 11 and students will have the opportunity to explore topics in greater detail. Students will continue to develop skills in critical and abstract thinking, problem solving and chemical techniques. The course will look at reaction kinetics and the factors that affect reactions and their mechanisms. It will focus on different types of equilibrium (solubility, acid/base), as well as a unit on electrochemistry focusing on oxidation/ reduction reactions. Strong mathematical skills are recommended as well as a very good understanding of Chemistry 11.

PHYSICS 12

Classical mechanics, electricity and electromagnetism are investigated. Opportunities are provided to understand and apply the principles and concepts of physics and to develop analytical and problem-solving skills.

SOCIAL STUDIES

Grade 8

SOCIAL STUDIES 8

(7th Century -1750) Focuses on the interconnectedness of global society; discoveries and innovations; the pace, pattern and directions of historical change; intercultural contact and conflict. Students will make personal, local, global, and interdisciplinary connections between past, present and future while being introduced to the complexity of Civilizations, World Religions, the Middle Ages, the Renaissance, the Reformation, and the English Civil War.

Grade 9

SOCIAL STUDIES 9

(1759-1919) Focuses on ideas and ideologies such as colonialism, imperialism, nationalism; as well as the social, economic, and political influences of the physical environment. Students will make personal, local, global, and interdisciplinary connections between past, present and future while being introduced to the complexity of Revolutions and disparities in power, technological change, Nationalism, the Geography and Resources of Canada, Canadian Confederation, Canadian Cultural Identity and Human Rights.

Grade 10

SOCIAL STUDIES 10

(Canada and the World 1914-Present) Focuses on the development of Canada as a Nation. It examines the social, political, and economic structure of our nation, regional geography and resources, development patterns and issues, it also focuses on local, national, and global conflict; the development of political organizations; political decision-making and societal change; as well as the development and perspective of Canadian society.

Grade 11 & 12

20th CENTURY WORLD HISTORY 12

If you like history, you will love this course! This course is a world history course, which deals with the major events of the 20th Century. Topics include World War One, the growth of Communism and Fascism, World War Two, the Cold War, the Post-War World, the Gulf War and the Middle East, China and the Far East and Africa. History 12 is designed to stimulate discussion of world events, to develop student's critical thinking skills and challenge their personal values and political points of view. *There is no final exam requirement in this course, however; students will be required to express a logical and informed point of view verbally and in writing.*

CONTEMPORARY INDIGENOUS STUDIES 12

Contemporary Indigenous Studies aims to explore the identities and worldviews of various Indigenous groups throughout the world. Students will analyze diverse perspectives on issues and events related to community, governance, identity, culture, and global trends. The recognition of Indigenous groups reclaiming their mental, emotional, physical and spiritual well-being despite the continuing effects of colonialism will be explored. Additionally, students will inquire into the issues surrounding self-determination and the need for all colonial societies to work together to address injustices. There is no final exam requirement in this course; however, student participation and careful consideration of perspective and bias is a necessary component.

LAW STUDIES 12

This is a practical course focused mainly on the workings of the Canadian legal system, including the rule of law, rights and freedoms, criminal offences, arrest and detention, the court system, policing and the penal system. This course is not intended to produce “mini-lawyers” but rather give students a broad understanding of criminal law and how legal processes work and affect their daily lives. A field trip to a courthouse, along with guest speakers, will further enhance student learning. *There is no final exam requirement in this course, however, students will be required to participate and learn about case studies of current and past court cases throughout the course.*

PHYSICAL GEOGRAPHY 12

If you love to travel and learn about different places in the world, Geography is the course for you! It focuses on the study of the natural environment and how people interact with it. Students learn the physical functions of the atmosphere, biosphere, lithosphere, and hydrosphere, and the implications of how humans impact these spheres. The curriculum incorporates: data from a variety of case studies; natural processes; and human connectedness to the environment. Major topics of study are the 5 Themes of Geography, Plate Tectonics, Gradational Processes, Geomorphology, Soil, Vegetation, Climate, Weather and Resources and Sustainability. It is a foundation course and will prepare students for university level Geography courses. *There is no final exam requirement in this course, however, student participation, and careful consideration of environmental issues is an important part of the course.*

POLITICAL STUDIES 12

Political Studies 12 aims to enhance your knowledge, abilities, and your willingness to participate actively and responsibly in civic life. The course is both academic, requiring study, analysis, and written composition, and “hands-on”, providing you with opportunities to voice your opinion and debate with others on political and civic matters - from local to global. It will focus on historical developments in political studies, political theory, Canadian governance, democratic institutions, citizen power and engagement, and current events. It will prepare the student for their role as an active, knowledgeable citizen in our democracy, as well as provide good preparation for any university level Political Studies courses the student may take after graduation.



SOCIAL JUSTICE 12

Social Justice 12 focuses on the causes of complex social injustices and their impact on society. Students will inquire how these issues are connected and how their worldview shapes and informs their understanding of social justice. Topics of focus include equality, values and morals, justice and social service, privilege and power, activism, and advocacy, marginalized and vulnerable groups.

There is no final exam requirement in this course; however, student participation and careful consideration of perspective and bias is a necessary component.



PSYCHOLOGY

Grade 11

PSYCHOLOGY 11

Psychology is the science of **"Why we do what we do?"**

Psychology 11 provides you with a general understanding of the major theories, key studies, and leading thinkers in psychology. The course focuses on Development Psychology and allows you to reflect on your own identity development. You are responsible to lead and participate in weekly forums on psychological issues and to complete a survey experiment as a final project.

Grade 12

PSYCHOLOGY 12

Psychology 12 is an introduction to the scientific study of the way in which people's thoughts, feelings, and behaviours are influenced by the social environment. Grade 12 focuses on **Social Psychology** and studies the phenomenon of **social influence**. In a group you will research and present the findings of a major social experiment and replicate an experiment as a final project.

STUDENT SERVICES

ACADEMIC SUPPORT (LST)

The purpose of academic support is to promote success in academic subjects through tutorial instruction, assist students' efforts to develop organization and study skills and provide skill-building strategies/support for areas of learning difficulty. Classrooms equipped with technology and resources serve as tutorial centers where students receive subject support, participate in one-on-one and group tutorials, and work on skill-building activities. In addition to the academic support room, learner support team staff members may also support students in the subject classrooms. LST teachers communicate students' academic needs to classroom teachers and advocate and design relevant accommodations that will promote success.

Access to support through the LST program is based on academic needs and the availability of space. Students who are having academic difficulties should see their school counsellor to explore options.

BUILDING ACADEMIC, SOCIAL, AND EMPLOYMENT SKILLS (BASES) PROGRAM

The program provides school-based categorical services for students with high and low incidence special needs, including severe learning disabilities and mild to moderate intellectual disabilities. Placement of students is by district referral based on Ministry of Education criteria. For further information on programs and services, please contact the BASES Program teachers directly.

COUNSELLING

Counselling services are a personal, educational, and career service for students and a resource for teachers and families. Counsellors act as advocates for students and their families. Seeing a counsellor is facilitated by a simple appointment system within the school. In particular, the counsellors provide the following services:

Personal Counselling - confidential discussion of personal concerns.

Educational Counselling - selection of courses, program planning, graduation requirements, post-secondary entrance requirements, and reference materials.

Career Counselling - exploration of values, interests, abilities, needs, establishing career goals, and exploration of related occupations.

Referrals - after consultation, counsellors will provide appropriate referrals to other school services or community resources.

ENGLISH LANGUAGE LEARNERS (ELL) PROGRAM

ELL courses enable English language learners to develop oral and written English so that they can fully participate in the regular school program. We help students adapt to and function more successfully in the culture of the school and the community.

Selection into the program is based on assessment results and/or teacher reports. ELL students are enrolled in both ELL classes and regular classes, depending on their English proficiency. Students with a proficiency close to grade-level English are typically enrolled in a regular academic program and their progress is monitored. They can access support from ELL teachers when needed.

ELL Courses:

ELL Level 1 is a course that teaches the basic skills of reading, writing, listening, and, in particular, speaking. This class helps students prepare for future academic courses.

ELL 1 Foundations in Literacy is a course for students who are also in the above ELL Level 1 year-long course. This course helps beginner students gain the foundational skills (such as phonics and spelling) that are necessary to building their reading and writing skills.

ELL Level 2 is a course for students with some proficiency in English. This program helps students develop their skills of reading, writing, speaking, and listening.

ELL Level 3 is a course that focuses on improving the students' reading, writing, listening, and speaking skills. Students at this level of proficiency should be able to comfortably converse in English, and are prepared *and* ready to broaden their skills in more academic structures.

Introduction to Academic English 10 is for focused practice and instruction in sentence structure, academic composition, and analysis. Students will work with a wide range of materials designed to help them prepare for the demands of the English curriculum. This is a 4-credit course.

ELL Support is a class that may be provided to help ELL students meet the learning goals of their mainstream academic courses.

LIBRARY LEARNING COMMONS

Semiahmoo's library boasts over 17,000 titles, over 15 magazines, and one daily newspaper subscription. Access to the internet and the school network are also available. The teacher-librarian will help students locate materials, use computers, write bibliographies, and take and/or organize research notes.

