École Secondaire
EARL
MARRIOTT
Secondary School

Grades 9 – 12
Course Calendar
2017 ~ 2018

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Courses Offered at EMS (by Department)

Graduation Program: Planning Guide

Grade 10

Required Courses

1. English 10
2. A Math 10
   Foundations of Math &
   Pre-calculus 10 or
   Apprenticeship &
   Workplace Math 10
3. Physical Health Education 10
4. Science 10
5. Social Studies 10
6. Planning 10
7. Elective: _____
8. Elective: _____

Grade 11

Required Courses

1. English 11
2. Social Studies 11
   or First Nations
   Studies 12
1. A Math 11
   Foundations 11
   Pre-calculus 11
   Apprenticeship &
   Workplace Math 11
4. A Science 11
   Biology 11
   Chemistry 11
   Earth Science 11
   Physics 11
5. Elective: _____

Grade 12

Required Courses

1. English 12 or
   Communications 12
2. Elective: _____
3. Elective: _____
4. Elective: _____
5. Elective: _____
6. Elective: _____
7. Elective: _____
8. Elective: _____
9. Grad Transitions or
   Career Life
   Connections

2004 Grad Program Policies

- 80 credits minimum to graduate. Each course = 4 credits
  (*48 required course credits, 28 elective credits*, *4 credits Grad Transitions or Career Life Connections*)
  (*16 credits must be at the Grade 12 level*)
- Grade 10 courses are part of the Graduation Program
- English 12 Exam
- Graduation Transitions completion by the end of Grade 12 is mandatory (4 credits)

Fine Arts / Applied Skills (4 credits/1 course)

- May be completed in Grade 10, 11 or 12
- All 4 credits may be in Fine Arts or Applied Skills

Courses Meeting the Fine Arts and or Applied Skills Requirement for Graduation

ART - Glass Art 11
ART - Glass Art 12
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BE - Marketing 12
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DR - Drama 10: Theatre Production
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DR - Drama: Film & Television 12
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HE - Family Studies 12
HE - Fashion Design 11 (Pattern Making)
HE - Foods & Nutrition 10
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HE - Foods & Nutrition 12
HE - Textiles 10
HE - Textiles 11
HE - Textiles 12
HE - Travel and Tourism 11
HE - Travel and Tourism 12
MU - Concert Band 10
MU - Guitar 10
MU - Guitar 11
MU - Guitar 12
MU - Inst. Music 11: Concert Band
MU - Inst. Music 12: Concert Band
MU - Jazz Band 10 (Period 1)
MU - Jazz Band 11 (Period 1)
MU - Jazz Band 12 (Period 1)
TE - Auto Tech 12: Body Repair & Finish
TE - Auto Tech 12: Electricity & Electronics
TE - Auto Tech 12: Engine & Drive Train
TE - Automotive Technology 11
TE - Automotive Technology 12
TE - Carpentry & Joinery 12: Cabinet Construction
TE - Carpentry & Joinery 12: Furniture Construction
TE - Carpentry & Joinery 12: Woodcraft Products
TE - Carpentry & Joinery Level 2
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TE - Drafting & Design 12: Arc & Habitat Design
TE - Drafting & Design 12: Eng & Mech Drafting
TE - Drafting and Design 1
TE - Drafting and Design 2
TE - Drafting and Design 3
TE - Engineering Technology 10
TE - Power 10
TE - Metal Fab & Machining 12: Adv Machining
TE - Metal Fab & Machining 12: Adv Welding
TE - Metal Fab & Machining 12: Art Metal
TE - Metal Fab & Machining 12: Forging & Foundry
TE - Metal Fabrication & Machining 11
TE - Metal Fabrication & Machining 12
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French Immersion
Planning Your Graduation Program

Grade 10

Required Courses

1. English 10
2. Mathématiques 10
   (Regular or Honors)
3. Physical Education 10
4. Sciences 10F
5. Sciences Humaines 10
6. Planning 10
7. Français Langue 10
8. Elective: _____

Grade 11

Required Courses

1. English 11
2. Français Langue 11
3. Social Studies 11
*4. Mathématiques 11
5. A Science 11
   Biology 11
   Chemistry 11
   Earth Science 11
   Physics 11
   Science & Tech 11
*6. Elective: Multimédias
   et al Communauté
7. Elective: ___
8. Elective: _____

Grade 12

Required Courses

1. English 12 or
   Communications 12
2. Français Langue 12
3. Elective: _____12
4. Elective: _____12
5. Elective: _____12
6. Elective: _____
7. Elective: _____
8. Elective: _____

*If Mathématiques 11 (in French) is replaced with English math, student must take Multimédias et al Communauté to meet the requirements for a bilingual diploma.

2004 Grad Program Policies

- 80 credits minimum to graduate. Each course = 4 Credits
  (*48 required course credits, 28 elective credits*, *4 credits Grad Transitions)*
  (*16 credits must be at the Grade 12 level*)
- Grade 10 courses are part of the Graduation Program
- English 12 & Français Langue Provincial Exams
- Graduation Transitions completion by the end of Grade 12 is mandatory (4 credits)

Fine Arts / Applied Skills (4 Credits/1 course)

- May be completed in Grade 10, 11 or 12
- All 4 credits may be in Fine Arts or Applied Skills

Art

Art has not only been used for advertisement or a way to make money; it has been used as a large outlet for stress. With heavy work-loads, responsibilities and endless multi-tasking, training the brain to focus in depth supports a life of healthy living. The arts are a great way for students and children to learn how to express themselves. Also, research has shown that educating children in art strengthens students' critical thinking, creative thinking and problem-solving skills.

Art 9
In this class we will focus on the skills and image development strategies to help us communicate our personal imagery such as: one and two point perspective, chiaroscuro (shading to create the illusion of form), portraiture, and working from black and white to colour. We will have opportunities to try different mediums of art from pencil, conte, pastel, watercolour washes to acrylic paint. Students will also be introduced to fiber art and/or ceramic design (clay). All projects will be inspired by our imagination, inquiry, experimentation and purposeful play.

Visual Art 9 Ceramics and Sculpture
This course will take you from the first steps of clay to advanced hand building techniques. Students will learn various approaches to glazing and finishing their ceramic art pieces. Some works will be functional such as bowls, salt & pepper shakers and vases, other pieces will be sculptural such as characters in clay or those illustrating a story. All students will have the opportunity to build bowls and cups on the potting wheel.

Art 10:
General Art/Drawing and Painting
This course will offer students a mix of applications in art with the main focus on drawing and painting. Projects will use traditional mediums like acrylic paint, water colour and pen and ink along with mediums borne out of the arts & crafts, such as clay and fibre art.

Visual Art 3D 10:
Ceramics and Sculpture
This course will take you from the first steps of clay to advanced hand building techniques. Students will learn various approaches to glazing and finishing their ceramic art pieces. Some works will be functional such as bowls, salt & pepper shakers and vases, other pieces will be sculptural such as characters in clay or those illustrating a story. All students will have the opportunity to build bowls and cups on the potting wheel.

Studio Arts 11: Drawing and Painting
Using a variety of 2D materials from pencil, ink, watercolour and acrylic paint to graphic design mediums such as linoblock and silkscreen printing, students will learn techniques and theories that will strengthen and develop their personal imagery. Projects are designed according to class interests and needs.

Studio Arts 12: Drawing and Painting
Recommended: Studio Arts 11
This course will focus on Drawing and Painting but further the student's personal imagery development. As some post-secondary art institutions expect a grade 12 art class, this is an excellent course to support their requirements in design and application.

Studio Arts 11/12: Ceramics and Sculpture
Clay hand building techniques and (potting) wheel throwing is the focus of this course. It is solely designed for anyone who would like to work exclusively in the clay medium. Finished works range from simple dishware to more elaborate sculptural designs.

Art *(cont'd)*

Yearbook 10/11/12
Do you want to have a say in what goes in your yearbook? Do you enjoy watching and participating in sports? Are you involved in performing arts? Do you have your finger on the pulse of the school? This may be the course for you. This course is designed for the responsible student who wants to maximize his/her experience in the areas of business, production, editing, graphic design, photography, planning and journalism. It is a responsibility that may include hours spent outside the class time in order to meet deadlines. The rewards are well worth the effort, however, as this course created multiple opportunities for celebrating successes with your team mates, creating a lasting piece of your history, as well as building up your resume and opportunities for scholarships! . This course may also be offered as a linear course. (Some Grade 9 students may be accepted into this course upon careful consideration.)

Photography 10 or 11 (Visual Arts: Media 10)
This is a course designed to introduce the basics of photography using digital technology. We will be studying:

- Photography history (progression from film to digital)
- Camera basics (how a camera works: digital)
- Photo composition (how to recognize and take a good photo)
- Formal portraiture (using a studio setting)
- PhotoShop (digital manipulation and enhancement for art and media purposes)
- Purposes of photography (Art, business, advertising, documentation)
- Photography careers (Investigating professional photographers)

Photography 12
Visual Arts: Media 11)
Recommended: Photography 10 or 11
This course will provide opportunities for experienced participants to learn and develop their skills. Students will be encouraged to develop their own style and interests. Students will work specifically with digital cameras and produce both black & white and colour photography.

Business Education

The aim of our Business Education/IT Department is to help students understand the interconnectedness of jobs, work, and the individual's place in the national and global economy. Students will develop skills that they can apply in their daily lives, and enhance their employability skills. The department mission is to provide "real skills for the real world."

Information Technology 9
Information Technology 9 has been designed to emphasize the skills needed for personal production as well as those needed for upper level technology courses. Through a variety of experiences students will demonstrate confidence such areas as keyboarding, digital media and communication, internet safety, digital file management, 2D animation, graphic design, and website development. This is a fast paced course to provide students with exposure to a mixture of areas. Software utilized in this course includes: Microsoft Office, The Adobe Creative Suite (Fireworks, Flash, and Dreamweaver), and Apple iMovie.

Desktop Publishing Level 1 (10-12)
Desktop Publishing Level 1 is aimed at helping students learn the principles of layout and design, and to explore the technologies used to create professional, quality looking documents. These documents might include business cards, letterhead, icons/logos, brochures, newsletters, poster advertisements, and magazine layouts. Students will learn the basics of graphic design, copywriting, typography, and colour theory. Software utilized in this course includes, but is not limited to: Adobe Photoshop, Adobe Illustrator, and Adobe InDesign.

Desktop Publishing Level 2
Recommended: Desktop Publishing Level 1
Desktop Publishing Level 2 is aimed at helping students expand on the principles of layout and design learned in Level 1, and to continue to explore technologies used to create professional, quality looking documents and designs. Software utilized in this course includes, but is not limited to: Adobe Photoshop, Adobe Illustrator, and Adobe InDesign.

Students will be given the opportunity to explore the career of freelance graphic designer, and are expected to develop an ongoing portfolio of their work done in class. This provides students with a great deal of independence with regard to project choice. As such, students must be highly motivated and consistently productive to be successful in this course.

The nature of this course is less structured than that of the Level 1 course, and requires students to take more initiative in directing their own learning, by choosing projects that are best suited to their individual interests and needs, and ideally designed to keep themselves motivated and productive. Students will be required to work more independently than in Level 1, and need to be able to both set and meet their own deadlines, and ultimately produce a completed portfolio, containing a broad body of work.

ICT: Digital Media Development (Level 1) 10-12
Digital Media Level 1 allows students to pursue an avenue of learning related to both the technical and artistic side of digital media development. Modules will include 2D/3D graphic design, animation, correction & manipulation of digital photography, web design and advanced digital video editing. Software utilized in this course includes The Adobe Creative Suite (Flash, Fireworks, Dreamweaver, Photoshop) Text Wrangler, and Apple Final Cut Studio, Students in Grade 10 may also take Digital Media Level 1.

Business Education/ Information Technology *(cont'd)*

ICT: Digital Media Development (Level 2)

Recommended: Digital Media Development Level 1

Digital Media Level 2 allows students to further their skills in the area of digital media development. This course requires that students have previously taken Digital Media Level 1. Like Digital Media Level 1, emphasis is placed on both the technical and artistic side of digital media development. Students will also be given the opportunity to explore the career of freelance
graphic designer. Software utilized in this course includes The Adobe Creative Suite (Flash, Fireworks, Dreamweaver, Photoshop), Text Wrangler, and Apple Final Cut Studio.

Programming Level 1 (10-12)

Computer Programming Level 1 has been designed to introduce students to computer programming and covers the most common concepts present in nearly every programming language. It gives students insight into the skills needed to go onto a career in Software, App or Game Development, as well as an introduction to web development. This course will extensively utilize Apple's integrated development environment (IDE) Xcode to explore the programming language of C++. Other languages studied include HTML, CSS (Cascading Style Sheets), and potentially PHP. Students in Grade 10 may also take Programming Level 1.

Programming Level 2 (10-12)

Recommended: Programming Level 1

Programming Level 2 allows students to further their skills in the area of computer programming. This course requires that students have previously taken Computer Programming Level 1 and builds upon those skills learned in level 1.

Where the Level 1 course is quite structured, students in the level 2 course are expected to work more independently. Students are given the freedom to explore programming languages of their choice and determine the projects that they would like to utilize to demonstrate their learning in the course. This requires a significant commitment from students in terms of staying on task, being self-directed. Where the Level 1 course is quite structured, students in the Level 2 course are expected to work more independently. Students are given the freedom to explore programming languages of their choice and determine the projects that they would like to utilize to demonstrate their learning in the course. This requires a significant commitment from students in terms of staying on task, being self -directed/self-motivated, so that their final portfolio is complete and something to be proud of.

Topics explored by students in the past include: C#, Java, Python, Objective C, iOS development, PHP, MySQL, and more. The course is broken down into three components. Students will explore a new (to them) programming language of their choice, in a small group, in each component of the course. These three components are showcased in a final website portfolio, worth approximately 1/3 of their grade.

Marketing 11

Marketing 11 is a course where students learn both the practical and theoretical side of the Marketing industry. Applying Marketing theory and concepts, the student will apply these skills to market our school, Earl Marriott. Students will embark on a semester long Marketing Project where they will design and implement a marketing plan for a School team, Club or Department. This course is for the innovative and creative student who wants to experience the real world of Marketing.

Marketing 12

Recommended: Marketing 11

Marketing 12 is a course where the student assumes a leadership role as part of a marketing team. Building on the concepts delivered in Marketing 11, students will apply marketing theory and concepts towards our Marketing objective of promoting our school, Earl Marriott, in a semester long project. In addition, they will market a school-wide event in order to raise money for a school-based charity. This course is suited for students who are interested in marketing and sales as a career.

Entrepreneurship 12

This course is suited for those students who want to learn how to attain financial freedom for themselves in the future. The course will require students to work hard and take risks as they apply what they learn in class to real & simulated scenarios. Topics of study include: i) how to finance, grow and manage a business venture, ii) the basics of cash flow management and investing, and iii) personal and financial success secrets of famous entrepreneurs & researchers. Learning activities will range from traditional readings, to in-class games, to competitive money-making challenges, to out-of-class field studies of successful businesses in the White Rock area.

Career Education

Career Resource Centre
Room 322
See Earl Marriott website, under Careers Section

If you…

- ☑ want to learn a trade.
- ☑ are interested in science related fields.
- ☑ are interested in the Humanities.
- ☑ want to become a mechanic.
- ☑ want to graduate ready for the work force.
- ☑ need help with cover letters and resumes.
- ☑ want to find out about universities and colleges.
- ☑ need a quiet place to study or work on a computer.

Then you need to…

- ☑ read about our programs on the next few pages.
- ☑ visit our website.
- ☑ come to the Career Centre and discover how we can individualize your education to suit your goals.
- ☑ complete your application now!

For more information about the programs we offer, please visit our page on the EMS website.

Science Co-op Program
Recommended: Students must be strong in both Math 10 and Science 10 and demonstrate maturity, independence, an excellent work ethic and problem solving abilities. Students will be taking the following courses: Biology 11, Biology 12, Chemistry 11, and Work Experience 12 A and B. Recommendations from both Science and Math 10 teachers are mandatory. **Application forms must be completed and returned to the Career Centre.**

Humanities Co-op Program
Recommended: Students must be strong in both English 10 and Social Studies 10 and demonstrate maturity, independence, an excellent work ethic and problem solving abilities. Students will be taking the following courses: English 11, Social Studies 11, Philosophy 12 or Psychology 11, and Work Experience 12 A and B. Recommendations from both English and Social Studies 10 teachers are mandatory. **Application forms must be completed and returned to the Career Centre.**

Mechanics Co-op Program
Recommended: Students are required to have completed English 10 and Math 10. Students will be taking the following courses: Auto Technology 11, Auto Technology 12, Apprenticeship and Workplace Math 11 and Work Experience 12 A and B. Students must have an interest in mechanics and be mature enough to work in an industrial environment. **Application forms must be completed and returned to the Career Centre.**

Skills Exploration Program
Students will have the opportunity to explore carpentry, electrical, plumbing and metal fabrication/ welding, as well as complete two, three week work experiences.
Recommended: Students must have completed English 10 and Math 10 and demonstrate maturity, independence, a solid work ethic and problem solving abilities. Students will be taking the following courses: Skills Exploration 11, Skills Exploration 12, Apprenticeship & Workplace Math 11, Work Experience 12A and 12B. Students must be capable and mature enough to work in an industrial

Career Education *(cont'd)*

Partnerships

Partnership programs are developed in partnership with local post-secondary institutions to provide specialized training not offered in secondary schools. The purpose of these programs is to allow students the opportunity to complete part or all of entrance-level trades training at the same time as they are completing secondary school. Students in the partnership programs can be formally registered and enrolled at the post-secondary institution where they receive extensive hours of skill training in a specific field. A paid or unpaid summer work experience component may be available to students.

Benefits

- Credits toward graduation from secondary school
- Early registration at a post-secondary institution
- Post-secondary entry-level trades training
- Dual credits or advanced post-secondary standing
- Speciality technical trades training
- Work experience
- Possible apprenticeships
- Tuition costs covered by the Surrey School District

Partnership Programs:

- Automotive Refinishing Prep Technician (Vancouver Community College)
- Automotive Service Technician 1 (Kwantlen Polytechnic University)
- Automotive Collision Repair Technician (Vancouver Community College)
- Baking & Pastry Arts (Vancouver Community College)
- Carpentry (Kwantlen Polytechnic University)
- Culinary Arts Professional Cook 1 (Vancouver Community College)
- Drafting/CADD (Kwantlen Polytechnic University)
- Electrical (BCIT)
- Hairdressing/Cosmetologist (Surrey School District)
- Horticulture (Kwantlen Polytechnic University)
- Law Enforcement Preparatory Program (NVIT)
- Masonry/Bricklayer (Kwantlen Polytechnic University)
- Metal Fabrication (BCIT)
- Millwright (Kwantlen Polytechnic University)
- Painter/Decorator (Finishing Trades Institute of BC)
- Plumbing (Kwantlen Polytechnic University)
- Welding (Kwantlen Polytechnic University)

For program locations and brochures, visit the Career Centre

SSA's introduces students to industry training. Combines the K-12 education and apprenticeship training systems, leading to both secondary school graduation and ongoing apprenticeship training for trade certification in BC.

Benefits

- Enables students to move directly into the apprenticeship training system while attending secondary school.
- Allows students to register as apprentices/trainees and start accumulating work-based training hours towards trade certification.
- Is open to all students 15 years or older in Grades 10, 11, or 12 including students on the Grade 12 Dogwood or Adult Graduation Programs.
- Provides up to 16 credits (480 hours of apprenticeable work) for graduation.
- Provides students who maintain a C+ or better average with an opportunity to receive a $1000 BC Government scholarship.

Apprenticeable Trades

Just about any trade qualifies as S.S.A. See the ITA website for a list of recognized trades www.itabc.ca or see the Career Centre staff to determine if your trade qualifies as an apprenticeship and to complete the necessary paperwork.

For more information visit the Surrey School District Apprenticeship Program website.

For more information about the programs we offer, please visit our page on the EMS website.

Drama

Courses Offered:

Grade 9	Grade 10	Grade 11	Grade 12
Students may choose one of the following:	Students may choose one of the following:	Students may choose one of the following:	Students may choose one of the following:
Drama 9	Drama 10	Theatre Performance: Acting 11	Theatre Performance: Acting 12
Musical Theatre 9	Musical Theatre 10	Musical Theatre 11	Musical Theatre 12
Drama 9	Drama 10: Technical Theatre	Theatre Production 11: Stagecraft	
		Directing and Script Development 11	Directing and Script Development 12
		Film & Television 11	Theatre Production: Theatre Management 12
			Film & Television 12
	Students may audition for: Theatre Company 11	Students may audition for: Theatre Company 11 or 12	Students may audition for: Theatre Company 12

Musical Theatre 9 - 12

Musical Theatre is comprised of three major areas of study: vocal production, choreography, and action. Students will learn and practice theatre performance skills through the creation, rehearsal and performance of a variety of original scene projects. Students will also participate in vocal workshops and large ensemble choreography sessions, working toward the presentation of a class revue show

Drama 9

Drama 9 is a fun and exciting course where we review some basics and then move into lots of scene building and character building through imaginative improvisation and rehearsal. The main focus of the course is the development of basic acting skills in the areas of characterization, movement, voice, improvisation, scene building, and introductory script work. Exercises and activities are aimed at improving students' confidence and group skills in a positive, supportive atmosphere.

Drama 10: General

Drama 10 is an extension of the skills and activities introduced in Drama 9. In a supportive and positive environment, students will continue to learn and practice their acting skills through scene creation, script analysis, character development, improvisation, monologues and scripted scene performances. Drama 10 is a deeper and more academic exploration of acting than Drama 9 and students will have the opportunity to bring more technical theatre into their work and discussions.

Drama *(cont'd)*

Drama 10: Theatre Production 10

This course is an introduction technical theatre. Students will learn the basics of operating lighting and sound equipment for the purpose of supporting and contributing to the strength of stories told on stage. Students will learn the fundamentals of lighting and sound design and how to analyze theatre performance with a technical eye. Other topics of study may include: scenic painting, properties and stage management. (NOTE: Students taking Technical Theatre must be capable of creative collaboration with their peers and have good communication skills. Technical Students must also be responsible and capable of working independently without direct teacher supervision.)

Theatre Performance 11: Acting

The main focus of the course is to explore and develop acting technique and to build on an understanding of theatre performance and production. Students will work mainly in groups on some of the following units of study: foundation acting skills, scene building, character development, play analysis, movement, Playbuilding, radio plays, monologues, theatre history and finally, they will produce a polished performance of a scripted one act play. In Acting 11 students are expected to be able to be strong creative collaborators and be able to work independently.

Theatre Performance 12: Acting

Recommended: Acting 11

Acting 12 is an extension of work developed in Acting 11 with students expected to take more leadership roles in class activities. The focus of our work is to continue to develop acting skills and a deeper understanding of theatre performance and production. Students will explore several styles of acting and will cover some aspect of theatre history. Units of study may include: foundation acting skills, scene building, character development, play analysis, movement, Playbuilding, radio plays, monologues, and finally, they will produce a polished performance of a scripted one act play. In Acting 12 students are expected to be able to be strong creative collaborators and be able to work independently.

Theatre Production 11: Stagecraft (10-12)

This course is an introduction to the technical aspects of theatre. Topics include theatre background, design, set construction, scenic painting, props, lighting, sound, performance analysis and interpretation and basic stage management. (NOTE: Stagecraft requires students to be able to be active in creative collaboration with their peers and to be clear and effective communicators. They must also be able to work responsibly and independently, without direct teacher supervision, to stay organized and to manage time well. Students will be encouraged to volunteer to tech for school productions and events.)

Theatre Performance 11 & 12: Directing And Script Development

Recommended: Acting 11 – It is essential that students have taken Acting before being able to effectively direct others with a working knowledge of theatre performance and etiquette.

This course extends all skills developed in Stagecraft 11 with an emphasis on lighting and sound design and leadership and management skills. Students taking this course must be highly motivated, self-directed and capable of leading and instructing others. (NOTE: Stagecraft requires students to be able to be active in creative collaboration with their peers and to be clear and effective communicators. They must also be able to work responsibly and independently without direct teacher supervision, to stay organized and to manage time well. Students will be encouraged to become lead techs for school productions and events.)

Drama *(cont'd)*

Theatre Production 12: Theatre Management
This course extends all skills developed in Stagecraft 11 with an emphasis on leadership and management skills. The major focus will be on Stage Management, House Management and Technical Direction. Students taking this course must be highly motivated, self-directed and capable of leading and instructing others. (NOTE: Theatre Management requires students to be able to be active in creative collaboration with their peers and to be clear and effective communicators. They must also be able to work responsibly and independently, stay organized and manage time well. Students will be encouraged to become lead techs for school productions and events.)

Drama: Film and Television 11/12
Film and Television 12 is an advanced course in the study and analysis of film and television as an artistic and visual storytelling medium. Topics will include: film analysis (the definition and discussion of artistic choices and production elements that make a film effective), acting for the camera, history of film styles, film auteurs, shot theory, forms of script and story development, and collaboration in film making. Film Studies involves academic work in both written form and in discussions. **Students need to be strong creative collaborators with their peers as all projects are done in groups. Students also need to be able to work independently and responsibly and manage their time well.**

Theatre Company 11/12
Admission is by audition or interview.
This course is designed to give students production experience in acting, directing or technical duties. Students are involved in every aspect of production from audition to closing night in one-act and mainstage plays.

English

English 8/9
Using oral, written, visual, and digital texts, English 8 and 9 students are expected individually and collaboratively to be able to develop an appreciation of literature and language. Junior English is controlled by seven "Big Ideas".

- For reading, materials offered for study include short stories, novels, poetry, drama (introduction to Shakespeare), and non-fiction. Students will read for a variety of purposes and demonstrate interpretive understanding. Emphasis will be placed on constructing personal connections between self, text and the world.

- In writing, the emphasis will be on the composition skills needed for a variety of formats. All stages of the writing process will be used: pre-writing, drafting, editing, proofreading, and publishing. Students will access information from a variety of sources and evaluate their relevance, accuracy, and reliability. Emphasis will be on multi-paragraph writing.

- Oral communication skills will be on developing an increasing awareness of audience, purpose, and context.

- Representation will consist of students creating a variety of images to assist in the development and expression of ideas.

English 10-12
The English Department is committed to the spirit of the new draft Provincial curriculum. Elements of the draft courses will be included in this year's course content. The diverse needs of our students, a greater focus on personalized learning, and an expanded focus on Aboriginal content are all a priority for English classes.

Through the integration of reading, writing, oral communication, viewing and representing, English classes are designed to develop students' skills and appreciation of literature and language.

- The activities and resources are selected to appeal to a range of interests and abilities.

- Students will read for a variety of purposes, demonstrate interpretive understanding and critically analyze short stories, novels, poetry, drama (e.g. Shakespeare play), and non-fiction.

- In writing, students will write in a variety of for mats, employing all stages of the writing process: pre-writing, drafting, editing, proofreading, and publishing. Emphasis will be on multi-paragraph composition mastery.

- Oral communication skills will develop a critical awareness and appreciation of audience, purpose and context.

- In viewing, students will identify, analyze, and interpret techniques used to convey meaning in visual and mass media.

- Students select and create a variety of representational forms to assist in the expression, development and extension of ideas.

- Students in Grade 12 write a government examination. 60% of the final grade is determined by the mark achieved during the term and 40% by the government exam.

Communications 12
This course is an alternative for English 12 and is intended for students who require support with their abilities and capacities in English. This course focuses on practical writing, reading and oral language skills. Students will receive preparation to write the Communications 12 provincial exam, which allows them to meet graduation requirements. Students who plan to attend college or university are advised to seek their counsellor's guidance as to the entrance requirements for their desired post-secondary institution.

Philosophy 12 (Theory of Knowledge)
Philosophy is a multi-grade course, open to any student, and is offered for grade 12 credit. Philosophy, formerly called "Theory of Knowledge" provides students with the opportunity to inquire into the most basic questions about human life and its place in the universe. Topics for discussion and debate include: Who am I? Do humans have free will? Does God exist? Is knowledge possible? What is justice? What is truth? The course will provide an introduction to central works in the history of western philosophy, with a principal goal of fostering the capacity to logically and critically think. Students will grapple with the views of such philosophers as Plato, Descartes, Kant and Machiavelli on issues pertaining to aesthetics, epistemology, ethics, language and metaphysics. This course is open to Grades 10-12.

Psychology 11
Psychology 11 is an introduction to psychology; it is a survey course with a broad scope and sequence. Topics covered include experimental methodology, emotion, motivation, states of consciousness, child and adult development, sleep and dreaming, abnormal psychology, intelligence, creativity, personality theory, and other broad issues within the discipline.

Psychology 12
Recommended: *Psychology 11*
Psychology 12 will provide students with the opportunity to study and investigate such topics as personality disorders, health, human development, gender roles and stereotyping, research methods and social psychology.

English Electives

Students are encouraged to take a writing course in Grades 10, 11 or 12. Additional instruction and practice in composition will improve students' writing proficiency and increase chances for their future success.

Writing 9/10
In this course, students will explore various types of writing, including short story, poetry, and novels, with the aim of submitting their work to magazines, newspapers, and publishing houses. Each year the course will provide different writing opportunities ranging from novel to screen writing. To do well, students should have a strong interest in writing and be prepared to work hard revising it. They should have few problems with basic English and word processing skills would be a definite asset.

Writing 11/12 (Creative)
The emphasis of this course is to develop the craft of writing in such areas as: short stories, poetry, novels, nonfiction articles, creative nonfiction, stage and screen plays. Each year the course will provide different writing opportunities, but students may choose to continue work on a project (such as a novel) through Writing 11 and 12. The course will include several workshops for students' writing and may include guest speakers and field trips. Students are encouraged to enter at least two writing contests and have work submitted for publication. The final project will be a writing portfolio, in which students will put selections of their revised work from the semester. There are no exams in this course, but there will be several writing assignments.

English *(cont'd)*

English Literature 12

Recommended: English 11

Literature 12 is an enriched survey study of the great authors and poets from the Anglo Saxon *Beowulf* up to modern authors like Atwood. While the course is strongly recommended for English 11 Honours students, it is open to any senior English students and not restricted to "A" and "B" scholars. Anyone with a love of literature and an enjoyment of poetry and prose will find success. This course emphasizes enhanced understanding of how such writers as Chaucer, Shakespeare, Wordsworth, Shelly, Tennyson, Austen, and Yeats are reflections of their various literary periods and influence our understanding of the world today.

English 12 (AP) Advanced Placement

Recommended: English 11 Honours or minimum"B" in English 11.

English 12 Advanced Placement is intended for students with exceptional interest and ability in English Language Arts, who intend university studies. Success in AP can lead to advanced credit for first year courses in English. English 12 AP is a **two-semester course**: students take English 12 Honours in semester one—an enriched English 12 curriculum which prepares them for the AP Literature and Composition examination in May—and write the English 12 provincial exam in January; in semester two, AP students are registered in Literature 12. Students receive credit for English 12 Honours, Literature 12, and English 12 AP Literature and Composition. The course provides intensive study of representative literary works from several genres and periods, including literary analysis and composition. Students who are strong in the English Language Arts and have excellent work habits are more likely to find success in the course.

Advanced Placement (AP) Psychology 12

(Note: AP Psychology is for students who wish to pursue university-level studies while in high school. Completion of the course provides students with university credit.)

AP Psychology introduces students to the systematic and scientific study of the behavior and experiences of human beings and other animals. Students study psychological facts, principles, theories and phenomena associated with each of the major subfields within psychology. They also learn about ethics and the methods psychologists use in their science and practice. The following units are covered in the course: History and Approaches; Research Methods; Biological Bases of Behaviour; Sensation and perception; States of Consciousness; Learning and Cognition; Motivation and Emotion; Developmental Psychology; personality; Abnormal Behaviour; and Social Psychology.

French Immersion Program

Earl Marriott French Immersion courses provide authentic French language learning and experiences which build on language foundations established at the elementary level. Please note that no distinction is made in Français Langue courses between early and late immersion students in Grades 8 - 12. The subject area courses are conducted entirely in French. This program reinforces the core competencies proposed of communication, thinking, personal and social responsibility. Oral participation is emphasized and expected.

Students have the opportunity to study a regular math **or an accelerated mathematics course in French in grade 8 and a regular or honours mathematics in grade 10.** Students' mathematical ability and teacher recommendation will determine the level of study - depending on their strength, and subject to their teacher's recommendation.) Special permission may also be granted for students to study Apprenticeship and Workplace Math 10. **Note that mathematics, science and social studies curricular content follows BC Ministry of Education guidelines, however the language of instruction is French.** (Refer to course content description in English as part of this document). **Multimédias et al Communauté is required as a second grade 11 French Immersion if Math 10 or 11 is taken in English.**

The immersion program also includes cultural learning experiences that include possible trips to French speaking locations around the world and preparing for the internationally recognized DELF language proficiency exam. Furthermore, students have the opportunity of participating in Français pour l'Avenir, Jeun'info and the Club Francofun. Students can also assist in aiding other students, or receive study support through the Pouvoir d'Immersion tutor sessions and the summer ATARI program focusing on Math, Science and Français Langue at the grade 8 and 9 levels. All experiences are aimed at achieving a functional level of language mastery.

In order for a student to graduate with a bilingual diploma, s/he must successfully complete 14 of the courses offered (see below) including Français Langue 12 which is, at this time, a provincially examinable course.

GRADE 8 4 Courses	**Français Langue 8 + Mathématiques 8 + Sciences 8 + Sciences Humaines 8** *(Regular or Accelerated 8/9)*
GRADE 9 4 Courses	**Français Langue 9 + Sciences Humaines 9 + Mathématiques 9 + Sciences 9**
GRADE 10 4 Courses	**Français Langue 10 + Sciences Humaines 10 + Mathématiques 10 + Sciences 10** *(Regular or Honours)* *or Math 10 in English*
GRADE 11 2 Courses	**Français Langue 11 + Multimédias et al Communauté + (Math 11 in English) or Mathématiques 11**
GRADE 12	**Français Langue 12**

Français Langue 8
Development of four language competencies: reading, writing, listening, and speaking using multiple resources including technology. Learn strategies to revise and edit work. Grammar study in a scope and sequence outlined by BC Ministry of Education. Literary focus: legends and theatrical works.

Français Langue 9
Reinvestment in four language competencies: reading, writing, listening and speaking using multiple resources including technology. Elaboration of ideas and statement of point of view as well as portrait description. Reaffirm strategies to revise and edit work. Grammar study in a scope and sequence outlined by BC Ministry of Education. Literary focus: Fables and novels

Français Langue 10
Build increased confidence in the four language competencies: reading, writing, listening and speaking using multiple resources including technology. Critical thinking is promoted and stated. Demonstrate greater ease with strategies to revise and edit work. Grammar study in a scope and sequence outlined by BC Ministry of Education. Literary focus: Short stories, novels, current events, fairy tales

Français Langue 11
Focus is to develop the components of an active language class. Emphasis is put on the oral spontaneous activities/ games, exploring "francophonie " in poetry, music, novel , picture books, journal entries, movies, documentaries, oral presentations. The writing process reinforces verb tenses of past, present and future. Students taking this course are active participants and many evaluations are done in class. Students taking this class should have high attendance level, a motivation to speak in French at all times and a special curiosity about the francophone culture in general.

Français Langue 12
Prove linguistic competency and cultural engagement both in and out of the classroom. Demonstrate confidence in reading, writing, listening and speaking using multiple strategies and resources, including technology, that demonstrate competent bilingualism in a variety of circumstances when the outcome is uncertain. Critical thinking is promoted and stated - an argument can be convincing. Demonstrate ease with strategies to revise and edit work. Literary focus: current events, fables, legends, short stories, fairy tales, poetry and varied literary works. A provincial exam is currently required for reading, writing and speaking components.

Multimédias et la Communauté 11
Pré-requis: Française Langue 10
Ce cours augmentera la compréhension des élèves envers l'influence des médias sur notre société en examinant et critiquant la télévision, les publicités de films, la musique, les nouvelles/le journalisme, et la culture populaire. Le but de Multimédias et la Communauté 11 est d'aider les étudiants à développer une compréhension informée et critique de la nature des médias, et de l'impact de leurs techniques. Ce cours permettra à chacun d'enrichir leur vocabulaire, leurs habiletés langagières tant à l'oral qu'à l'écrit, ainsi que leurs habiletés d'écoute. Ce cours amènera aussi l'élève à prendre connaissance du monde qui l'entoure.

This course will increase students' understanding of how mass media impacts our society by examining and critiquing television, film advertising, music, news/journalism, and popular culture. The emphasis of Multimédias et la Communauté 11 is to assist students in the development of an informed understanding of the nature of mass media, the techniques used by them, and the impact of these techniques. This course will allow students to enrich their vocabulary, their oral and written language skills, as well as their listening abilities. It will also allow them to increase their awareness of the world that surrounds us.

Home Economics

Foods and Nutrition 9

Foods 9 is a beginner foods course with an emphasis on making healthy food choices. The theme of this course is based on Canada's Food Guide to Healthy Eating and will focus on new and exciting ideas for breakfast, lunch, dinner and snacks. Project work in this course emphasizes a student-centered approach. Students learn:

- Safety and Sanitation in the Kitchen
- Basic Cookery Principles and Food Preparation Techniques
- Components of a Nutritionally Balanced Meal

Foods and Nutrition 10

The theme of this course is "Across Canada and Beyond". Students *travel* across Canada, to Europe, Africa, Asia, the South Pacific and Latin America preparing foods of these various cultures. Students learn:

- Safety and Sanitation in the Kitchen
- Advanced Cookery Principles and Food Preparation Techniques
- Components of a Nutritionally Balanced Meal
- To make informed decisions about food purchasing and consumption patterns

Foods and Nutrition 11

Beyond the basics is the theme of this course. With a focus on locally grown, seasonal foods, this course allows students to develop skills in planning, preparing and presenting their food products. This course emphasizes healthy eating, cultural foods and consumer-wise shopping strategies. Students learn:

- Food Safety and Sanitation
- Advanced Cookery Principles and Food Preparation Techniques
- Nutritional Issues
- Careers in the Food industry

Foods and Nutrition 12

Beyond the basics is the theme of this course. With a focus on locally grown, seasonal foods, this course allows students to develop skills in planning, preparing and presenting their food products. This course emphasizes healthy eating, cultural foods and consumer-wise shopping strategies. Students learn:

- Food Safety and Sanitation
- Advanced Cookery Principles and Food Preparation Techniques
- Nutritional Issues
- Careers in the Food industry

Culinary Arts 12

Recommended: Foods 11/12

This course is designed for those who are enthusiastic about food, have experience working with food, and have a desire to expand upon prior knowledge and skill. This class will be structured within a framework of food that is in-season and locally sourced; what we do with these ingredients is up to you! Student learn to:

- Appreciate food along with its origins
- Prepare and serve innovative, fresh local

Home Economics *(cont'd)*

Textiles 9

Sewing for "Recreation and Leisure" is the theme for this course. The emphasis will be on learning skills and techniques by constructing such clothing items as pyjamas, sweatshirts, fleece vests, skirts and other casual clothing. Students are responsible for purchasing patterns, fabric and supplies. Students learn:

- Basic sewing construction techniques.
- Clothing care.
- The variety and use of textiles in today's society.
- A variety of ways to embellish textile items.
- To make informed decisions about clothing purchases.

Textile & Fashion Studies 10-12

This is a clothing construction course that offers students an opportunity to develop sewing skills by creating clothing that is unique and personal. The course includes topics such as textile fundamentals, consumerism, and the historical and cultural influences in clothing. Students learn:

- Clothing construction techniques using sewing machines and sergers.
- Properties and construction techniques for various textile fibres and fabrics.
- Embellishment.
- Wardrobe planning and accessorizing.
- To make informed decisions related to clothing choices.

Fashion Design & Pattern Making 11

Recommended: Textile & Fashion Studies 10 or 11

This course is designed for students interested in a) learning to use and modify commercial patterns b) sewing and constructing fashionable clothing, and accessories and c) applying principles of art and design in creating and embellishing clothing. Students learn:

- Clothing and construction techniques using sewing machines and sergers.
- Pattern use and simple flat pattern modification manually and on computers.
- Elements and principles of fashion design and sewing.
- To create garments with individual style and flair. Career choices related to fashion design and merchandising.

Fashion Design 12: Tailoring

Recommended: Textile Studies 11 or Fashion Design & Pattern Making 11

This course is designed for students interested in a) learning to do flat pattern design on computers, b) learning advanced sewing and construction techniques and applying principles of art and design in creating and embellishing clothing. Students learn:

- Advanced clothing construction techniques and tailoring using sewing machines and sergers.
- Pattern use and flat pattern design.
- Elements and principles of fashion design and sewing.
- Career choices related to fashion design and merchandising.

Home Economics *(cont'd)*

Family Studies 11

This course focuses on "Sociology of the Family" and the reciprocal relationships among self, family and society. Students study how families function in society and how contemporary issues in society affect family life. Students learn:

- Human relationships and families
- Social issues that affect individuals and families in Canada
- Family resource management
- Human growth and development throughout the life cycle
- Nurturing children

Family Studies 12

Recommended: Family Studies 11

An advanced course in the sociology of the family, Family Studies builds on family sociology focusing on how human interaction is affected by changing societal, economic and technological conditions. Knowledge and skills learned may be applied to careers in counselling, social work, health care, education and other human services professions. Students may also continue their exploration of human and family relationships by pursuing post secondary courses in social sciences. Students learn:

- Factors affecting family relationships.
- Global issues affecting families
- Caregiving for a variety of age groups.
- Impact of family resource management practices.
- Independent living, marriage and parenting

Travel and Tourism 11 (Level 1)

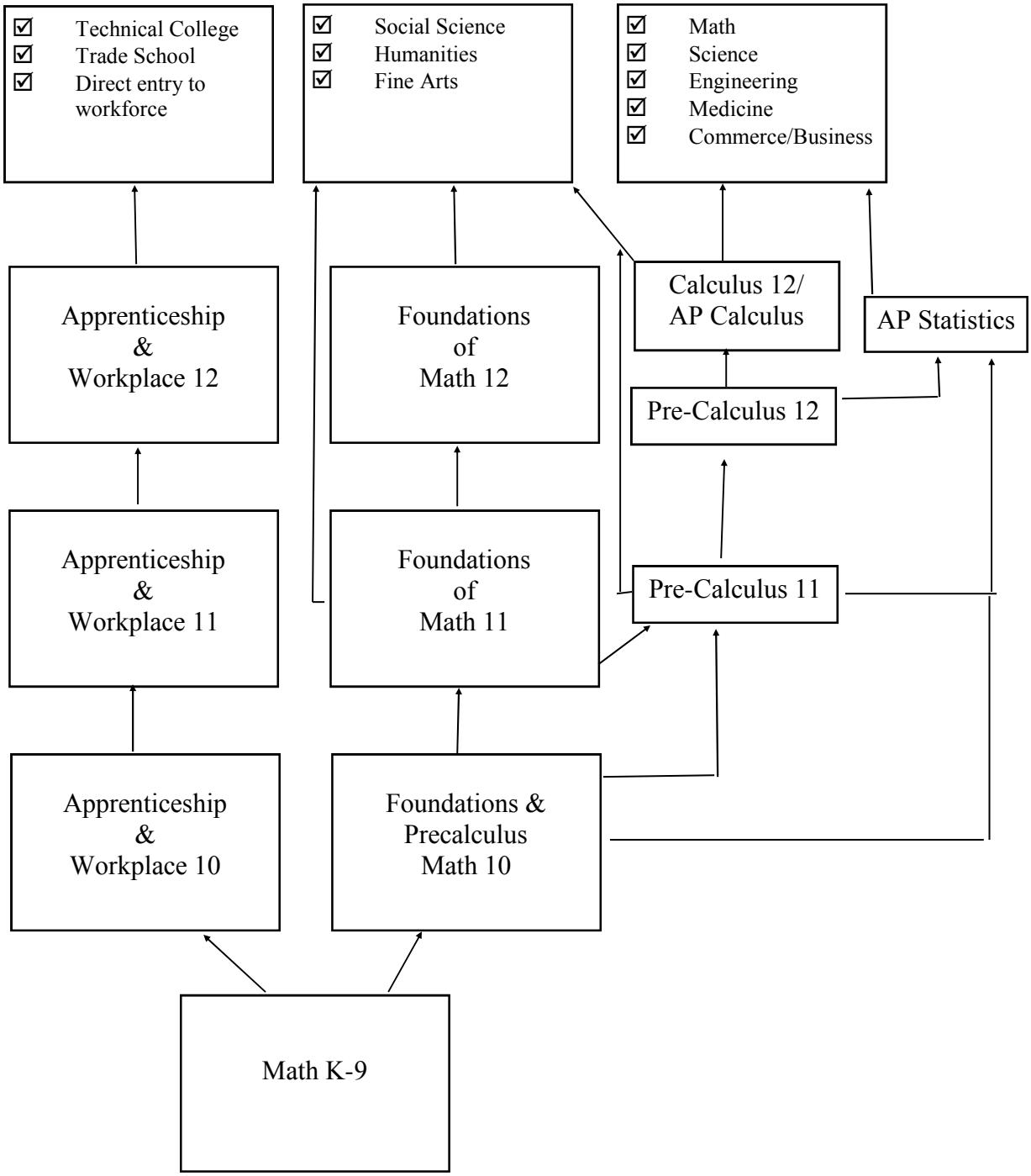
"Tourism is one of Canada's fastest growing industries; tourism offers lifelong career opportunities in challenging, interesting, fast-paced occupations that require employees with a wide variety of skills" (The Canadian Academy of Travel and Tourism).

In this course, students explore local and provincial tourism through classroom activities, field trips and videos. Students will have the opportunity to complete voluntary work experience (at least 25 hours) and receive a National Canadian Academy of Travel and Tourism (CATT) Level 1 Certificate. Students will also be given the opportunity to earn several industry-accepted certificates such as: Food Safe, First Aid, Serving it Right, Workplace Safety, WHIMIS etc.

Travel and Tourism 12 (Level 2)

Travel and Tourism 12 allows students to explore and expand on the knowledge and skills they learned in Travel and Tourism 11. It provides real life experiences that are transferable to a future career in this multi-directional industry. Students will be given the opportunity to apply their skills and knowledge in a work situation while completing a work placement of 100 hours. Upon completion of the requirement, students will receive a National Canadian Academy of Travel and Tourism Level 2 Certification. Completing Travel and Tourism 11 is highly recommended before taking this course as students should have several industry-accepted certificates as well as 25 hours of voluntary work experience before they embark upon this course (but this is not mandatory).

Mathematics



Mathematics *cont'd*

How do I Choose a Math Pathway
Each pathway is designed to provide students with the mathematical understandings, rigour, and critical -thinking skills that have been identified for specific post-secondary programs of study and for direct entry into the work force by the WNCP. There are three pathways of courses to consider:

(1) Apprenticeship and Workplace Mathematics
This pathway starts at the grade 10 level and is specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades at post -secondary and for direct entry into the work force. Topics include: algebra, geometry, measurement, number, statistics, and probability.

(2) Foundations of Mathematics
This pathway starts at the grade 11 level and is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs such as Economics, Geography, Arts or Humanities that do not require the study of theoretical calculus. Topics include: financial mathematics, geometry, measurement, number, logical reasoning, relations and functions, and statistics and probability.

(3) Pre-Calculus
This pathway starts at the grade 11 level and is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus like Sciences, Business, or Engineering. Topics include algebra and number, measurement, relations and functions, trigonometry, permutations, combinations, and binomial theorem.

Check Post-Secondary requirements for entry to specific programs

Grade 8 Math Courses

Math 8 Introduction
This program is designed for students who need remediation of their math skills in order to be successful in Math 8. Students would take Intro Math 8 in the first semester and Math 8 in the second semester. Enrollment is by teacher recommendation in consultation with the Learning Assistants Department.

Math 8
This course explores basic numeracy concepts including proportional reasoning, ratio, rates, geometry, algebra, financial literacy, and statistical analysis. Students will work on developing their mathematical thinking and reasoning skills as well as building their understanding and solving abilities. It is a prerequisite for all math courses at the Grade 9 level.

Math 8/9 Accelerated
This course covers the entire math curriculum for Math 8 and Math 9 in one semester. It is designed for students who are strong in math and a have a good work ethic. On completion of this course students would enroll in a mathematics 10 course in their grade 9 year. Enrollment is by assessment which is completed during their grade 7 year.

Grade 9 Math Courses

Math 9 Introduction
Recommended: Math 8
This program is designed for students who need remediation of their math skills in order to be successful in Math 9. Students would take Intro Math 9 in the first semester and Math 9 in the second semester. Enrollment is by teacher recommendation.

Math 9
Recommended: Math 8
This course explores basic algebraic concepts of equation solving and polynomials plus geometry and data analysis. Topics on exponents and financial literacy will also be covered. Students will work on developing their mathematical thinking and reasoning skills as well as building their understanding and solving abilities. It is a prerequisite for all math courses at the Grade 10 level.

Grade 10 Math Courses

Apprenticeship and Workplace Math 10
This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.
Problem solving, number, algebra, geometry, and measurement. The seven mathematical processes (communication, connections, mental mathematics and estimation, problem solving, technology and visualization) are interwoven throughout the mathematical topics.

Foundations and Pre-Calculus 10
This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies. This course leads to either Foundations of Mathematics 11 or Pre-Calculus 11. Topics include Algebra and number, functions and relations, and measurement. The seven mathematical processes (communication, connections, mental mathematics and estimation, problem solving, technology and visualization) are interwoven throughout the mathematical topics.

Foundations of Math and Pre-Calculus 10 Honours
Description: This pathway is designed to provide students with an enrich and more challenging experience than the standard Foundations of Mathematics and Pre-Calculus 10 course. Topics include Algebra and number, functions and relations, and measurement. More topics may be explored depending time. Students should be aware this can be a fast pace and demanding course.
Recommended: Minimum of an A in Math 9
Final Examination: Exam, 20% of final mark
Required Equipment: Scientific Calculator.

Grade 11 Math Courses

Apprenticeship and Workplace Math 11
Recommended: Apprenticeship Workplace Math 10
This pathway is specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades at post secondary and for direct entry into the work force. Topics include surface area, volume & capacity measurement, trigonometry, 3D objects, numerical puzzles, finance, algebra (formulas, slope and unit analysis), and graphs of data.

Foundations of Math 11
Recommended: Foundations and Pre-Calculus Mathematics 10
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 Economics, Geography, Psychology, Criminology, Arts or Humanities. Most students will choose this topic. Topics include measurement (rates & 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.

Pre-Calculus Math 11
Recommended: Foundations and Pre-Calculus Mathematics 10
This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus, such as Sciences or Engineering. Topics include expressions and equations (absolute value, radical, rational), trigonometry (angles in standard position, non-right triangles), absolute value functions, reciprocal functions, quadratic functions and equations, systems of equations and inequalities (including quadratic), and arithmetic and geometric sequences.

Grade 12 Math Courses

Apprenticeship and Workplace Mathematics 12
Recommended: Apprenticeship and Workplace Math 11
This course is specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for a career in the trades industries or for direct entry into the work force. Topics include measurement, trigonometry, geometric transformations, number puzzles, leasing or buying a vehicle, small business, linear relations, central tendency, and probability.

Foundations of Math 12
Recommended: Foundations of Mathematics 11 or Pre-Calculus 11
This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in the arts or the humanities. Topics include financial mathematics, logic with numbers, set theory, probability, combinatorics, relations and functions.

Pre-Calculus Math 12
Recommended: Pre-Calculus Mathematics 11
This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus, like Mathematics, Sciences or Engineering. Topics include trigonometry, relations and functions (exponential & logarithmic, polynomial, radical, rational, and transformations), and combinatorics.

Advanced Placement (AP) Statistics 11/12
Recommended: 73% in Pre-Calculus Math 10
The course is offered to strong math students in grades 11 and 12 who are planning to pursue studies in math, science, social sciences (i.e. psychology), or business. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data, Sampling and Experimental, Anticipating Patterns, Statistical Inference. Students who successfully complete the course and exam may receive credit, advanced placement, or both for a one-semester introductory university statistics course.

Calculus 12
Recommended: Pre-Calculus Math 12
Calculus is an elective math course at the Grade 12 level. Calculus is a required component of many post-secondary programs in the sciences, business, technology, nursing, etc. It is highly recommended for students planning on taking a post-secondary Calculus course to first experience the concepts at the high school level. The course will include both differential and integral Calculus topics.

Advanced Placement (AP) Calculus 12
Recommended: 73% in *Pre-Calculus Math 12*
AP calculus is offered to students planning on studying post-secondary programs such as engineering, sciences and business. The course is comparable to calculus courses in colleges and universities. Students who take an AP Calculus course may receive university credit by writing the AP exam held each year in May. Concepts such as limits, derivatives and integrals will be discussed and technology will be used regularly by students.

Modern Languages

The principal goal of the Language program at EMS is to develop communication skills so students may gain the confidence, desire, and ability to interact through an additional language.

French 9
Recommended: *French 8*
French 9 allows students to communicate at a basic level in French, through topics that are personally meaningful. The course emphasizes the use of the communicative approach, provides authentic interaction in French through listening, speaking, reading, and writing activities, and leads students to discover the underlying grammatical structures of the French language. Optional workbook available for purchase.

French 10
Recommended: *French 9*
French 10 continues to emphasize the communicative approach as students explore topics relevant to self and the Francophone world while building their language skills (listening, speaking, reading, and writing) through authentic interactions in French. Student knowledge of supporting grammatical concepts continues to be developed as well as the capacity to express ideas, opinions, and preferences in spontaneous conversation and in presentation. Optional workbook available for purchase.

French 11
Recommended: *French 10*
French 11 is accepted as a second language university requirement. Students explore French cultural topics and are expected to attain a working fluency in French. The integrated study of speaking, listening, reading, and writing is further emphasized, as well as the grammatical structures to support the increasingly complex nuances of the French language. Optional Workbook available for purchase.

French 12
Recommended: *French 11*
French 12 is the culmination of the study of French language and culture. The course emphasizes the refinement of student language skills (listening, speaking, reading, and writing) through music, film, and literature. Students continue to develop their working fluency of the French language, their composition style, as well as their understanding of sophisticated grammar to support their language learning.
Optional Workbook available for purchase.

Spanish 9
Recommended: Some experience with a foreign language is recommended
Spanish 9 introduces common structures of written and spoken Spanish as well as basic vocabulary through the communicative approach. Student Spanish language proficiency is further developed through listening, speaking, reading, and writing activities.
Optional Activity Book available for purchase.

Spanish 10
*Recommended***:** *Spanish 9*
The course expands on the material covered in Spanish 9 with continued emphasis on the communicative approach. Students will continue to expand their conversational skills as they acquire a positive attitude about their language abilities, and develop a deeper understanding of Hispanic culture.
Optional Activity Book available for purchase.

Modern Languages *(cont'd)*

Spanish 11
Recommended: Spanish 10
This course is accepted as a second language university requirement. Students continue to develop oral, listening, writing, and reading skills through the communicative approach, and are expected to attain a working fluency of the language. An appreciation and broader understanding of Hispanic culture is further developed, as well as student composition style in Spanish.
Optional Activity Book available for purchase.

Spanish 11 Intro
Please check your planned university/program of study to determine if Spanish 11 Intro is accepted as a second language university requirement. Spanish 11 Intro is intended for the beginning student of Spanish. It is a condensed course (equivalent of Spanish 9 and 10 combined), and intended to prepare students to continue to Spanish 11. Students will practice reading, writing, listening and speaking in a variety of everyday scenarios that explore different Hispanic cultures.

Spanish 12
*Recommended***:** *Spanish 11*
This is an advanced course in the study of Spanish language and culture. Using a thematic approach, a more in-depth look at literature, and Hispanic culture gives students opportunities to refine their working fluency of the language while enhancing the underlying grammatical structures. Optional Activity Book available for purchase.

Music

Concert Band 9/English 9
Recommended: Band 8 or Director's approval.
This is a continuation of Band 8, usually for students in Grade 9 with two years band experience.

Jazz Band 8/9
This class is for students interested in playing "Big Band", jazz, and rock music. Members must also play in one of the Concert Bands.
*** Classes meet Period 5 two times per week*

Instrumental Music 10/11/12: Jazz Band
This class is for students interested in playing "Big Band", jazz, and rock music. Music students must also play in the Senior Concert Band.

Instrumental Music 11/12: Concert Band
Recommended: Band 10
Students will develop a growing repertoire as in previous years and will develop playing skills at the senior level.

Concert Band/Planning 10
The band component of this course is designed for students who have reached an advanced intermediate level of proficiency on a band instrument. Students must demonstrate a high level of competency to grasp advanced musical concepts. The students will have an opportunity to perform and compete locally as well as at the national and international level. Evaluation will be based on progress, attitude and preparation in music department activities.
Concert Band 10 is a yearlong course that alternates with Planning 10 as a "blended" course in partnership with the Surrey's Online Learning (SAIL).

Choir 9-12
Choir provides students the opportunity to develop vocal and musical skills in a supportive environment. Repertoire will include jazz, pop, Classical and Broadway numbers, and a musical theory component will also be explored. This is an excellent opportunity to work on English skills.

Guitar 9 & 10
Guitar 9 & 10 will have students at various levels learning and improving the basic skills associated with playing the guitar. Guitar 10 is designed for the beginner. It covers the basics of playing guitar. Students will be evaluated on their mastery of playing posture, tuning, reading music, different strokes, chords, and scales with a focus on modern music. This class will have a public performance component and will give students an introduction to composition and basic recording skills. Students will demonstrate knowledge, use, and care of selected instruments. *Students are encouraged to provide their own guitar.*

Guitar 11 & 12 (Intermediate / Advanced)
Guitar 11 & 12 (Instrumental Guitar) is a guitar class that will have students at various levels learning and improving the basic skills associated with playing the guitar. Guitar 12 will place emphasis on performance and original composition. Students will learn theory associated with guitar, open and bar chords, progressions, various rhythms, finger plucking and strumming styles as well modal scales. Students will be evaluated through tests and performances of their mastery and understanding of concepts and incorporation of the associated techniques. Students will also demonstrate knowledge, use, and care of selected instruments. *Students are encouraged to provide their own guitar.*

Physical & Health Education

Physical & Health Education 9
Through participation in a variety of activities, students will develop a positive attitude towards active living in the pursuit of lifelong health and well-being. Activities will be selected from the movement categories of: *games, individual and dual activities, dance, and alternate environment activities.* Emphasis is placed on developing positive personal and social behaviours and interpersonal relationships. The demonstration of efficient and effective movement skills will be emphasized.

Physical & Health Education 10
Through participation in a variety of activities, students will develop a positive attitude towards active living in the pursuit of lifelong health and well-being. Activities will be selected from the movement categories of: *games, individual and dual activities, dance, and alternate environment activities.* Emphasis is placed on developing positive personal and social behaviours and interpersonal relationships. The demonstration of efficient and effective movement skills be emphasized.

Superfit 11/12
Note: This is an elective course. P.H.E 10 is still required for graduation.
This co-ed course can be taken by Grade 10, 11 or 12 students. (P.H.E 10 still is a Ministry required course). Students will be exposed to a wide variety of training methods used in athletics including weight training, circuit training, fitness classes etc. The focus will be on self improvement in all areas of fitness and healthy lifestyle choices. Ideal for athletes wishing to increase their fitness levels. Some units offered include, weights, circuits, nutrition, injury prevention and creating your own workout plan.

Physical Education 11/12 (Co-ed)
Competitive/Recreational/Sr. P.H.E. Girls
Through participation in a variety of activities, students will develop a positive attitude towards active living, demonstrate a functional level of activity-specific motor skills and develop opportunities for careers related to physical activities. Students will be introduced to available community recreational facilities and services. Emphasis will be placed on the development of leadership skills.
Any student registering in Sr. P.E. can choose one of the three options:

Co-Ed Competitive
Co-Ed Recreational
Sr. Girls

Hockey Skills Canada
Offered to any student in Grades 8-11, this elective program is a nationally certified course offered in over 140 schools across Canada. The goal of the course is to develop students' skills in the game of hockey, will promoting life-long active and healthy living. The students are taught and monitored based on their self-improvement during the semester. The ice times are led by leading community coaches, who have been trained specifically to teach in this program. Fitness classes develop hockey specific training using the school facilities. The classroom blocks are a vehicle to share expertise in the areas of sports psychology, nutrition, leadership, goal setting, mentoring, coaching, and public speaking. Program cost is $675 per student. Cheques are payable to **Hockey Canada Skills Academy** and are not due until the first ice time. Each student receives a Hockey Canada jersey, and is fully insured.
This program is offered in Semester 2.
Check the school website for additional information.
*Hockey skills gives students credit for either grade 8, 9 or 10 Physical & Health Education. Students are not required to take their grade level PHE class in addition to Hockey Skills.

High Performance Hockey Academy:

This high performance hockey skills program is offered in the afternoon periods each day during second semester at EMS for grades 8's-12's. Transportation is provided to all off-site facilities in South Surrey and White Rock. This program is geared towards the rep level athlete but is open to all players who have the right attitude and adequate skill set. Grade level *Physical and Health Education Credits* (4) as well as optional *Independent Directed Study Credits (4)* granted upon successful completion.

For a limited number of students, the High Performance Hockey Skills Academy at E.M.S. provides a great opportunity at a critical stage of student-athlete development. Whether it is the elite coaching that excites you, the chance to develop as a player under the watchful eyes of professional coaches, or the advantage you will gain from five months of physical and mental training as you push to reach your academic and hockey goals, this is a unique opportunity worth considering.

Features

- Instruction and guidance from professional coaching and fitness staff
- High level, on-ice skills instruction for players and goalies (3X per week)
- Professional off-ice training at Semiahmoo Athletic Club (2X per week)
- Skill Testing, video analysis and feedback
- Transportation and gear storage provided
- Hockey related field trips and sports/health specific curriculum offered

Cost of the program is $2000 and can be paid in installments. Financial assistance may be available. Please inquire early. Applications available at the EMS Office or from **murray_t@surreyschools.ca**

P.E.

*** Please note: only 4 credits will be given for the first Grade 12 level P.H.E. course taken. If additional Grade 12 P.H.E. courses are taken, students may receive credits for an Independent Directed Study, and will need to see their Counsellor**

P.E. 10 - Rugby
Grade 10 only—*No Pre-Requisite*
This is an elective course. P.H.E 10 is still required for Graduation
Through participation in this rugby course, students will gain a deeper appreciation for the sport of rugby both on and off the field. Students will act as leaders within and outside of the school, on and off the field. Students will receive an introduction to rugby coaching certification along with receiving their Refereeing Certification. The objective of the course is to develop students' fundamental skills in the game of rugby and maintain a level of fitness necessary to enjoy and grow as individuals and as a group in the game of rugby.

P.E. 11/12—Rugby

Through participation in this rugby course, students will gain a deeper appreciation for the sport of rugby. Students will receive their Level 1—Rugby Coaching Certification, along with receiving their Refereeing Certification. The students will be exposed to the development of the game along with looking at various historical perspectives of the sport. The goal of the course is to develop students' skills in the game of rugby through the specific teaching of the fundamental skills necessary to enjoy and excel in the game.

Weight Training 11/12

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiovascular endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning.

Course includes both lecture and activity sessions.

Recreation Leadership 10/ P.H.E. 10

This course will provide students, who possess positive leadership qualities, an opportunity to organize, plan, and implement recreational activities for Earl Marriott and the surrounding community. Rec Leadership 10 will allow students to explore skills, strategies, and provide practical opportunities to develop, enhance, and work collaboratively in physically active leadership settings. This course will require students to have a willingness to make themselves available for events that occur outside of designated class time. For the 2017/18 school year Rec Leadership will be offered on a Linear calendar in Period 5 and backed with P.H.E 10. This course offers amazing field trip opportunities including Stand Up Paddling, Camping and other outdoor excursions. Contact Mr. Clift via email for additional information or if you have any questions, clift_t@surreyschools.ca

Academic Study for Athletes (ASA)

This course is designed to assist student-athletes in establishing a balance between their academics and athletic pursuits at Earl Marriott. Enrolment in the Academic Study for Athletes block will automatically create a 5th period study that provides a student-athlete the freedom to participate in school sport without continually missing class time in the last period of the day. This course will require student-athletes to consult periodically with the Athletic Director to establish academic goals and to create a plan that demonstrates an understanding of how to be successful in the classroom. Additionally, student-athletes will be provided supplementary support and assistance to ensure success is achieved academically and athletically at EMS. Prospective students must be a member of a team at Earl Marriott and should select this course in the semester they participate in sport

Planning 10

Planning 10 (Required)

Planning 10, required for graduation, is an essential course preparing young adults for post-secondary transition. Planning 10 encourages students to explore a range of career and post-secondary options, to plan for their futures, and to develop skills in areas such as employability, healthy-decision making, and financial management.

Students will study a wide range of topics, including: exploring graduation options, discovering personal styles and taking a self-inventory, preparing for a successful graduation, education and career planning, writing effective resumes and cover letters, job interview skills, workplace safety, employment standards and employee rights, budgeting, savings and loans, fostering healthy relationships, lifelong healthy habits, and other essential "life skills."

The Planning department supports diversified and personalized learning, helping students build a personal plan designed to recognize their strengths and interests. To this end, Planning 10 incorporates a wide-range of media to deliver and enhance the curriculum, including lab time, usage of dynamic technology, guest speakers and field studies. The course promotes cooperative work, technology, and accommodates for various learning styles.

New initiatives in the department include encouraging students to pay it forward, learn new hard (technical) skills, and to volunteer in their community. Planning 10 at EMS delivers an instrumental, thorough, and dynamic classroom experience in preparing any student to be successful in her/his transition to life after secondary school.

Science

Science 9
Science 9 is a general science course that involves the use of scientific inquiry as students plan and conduct experiments. Students will process, analyse and evaluate data and information. Ideas will be applied and communicated. The Big Ideas for this course involve the study of cell reproduction, electricity, matter and energy cycles in the environment, and an introduction to chemistry.

Science 10
Science 10 will extend the students understanding of the major fields of science. Laboratory skills will be emphasized. The major topics studied are: Physical Science - Chemical reactions and radioactivity; Motion. Life Science: Sustainability of ecosystems. Earth and Space Science - Energy transfer in natural systems and Plate tectonics.

Biology 11
Recommended: Science 10 with a C+ average or better
This course looks at evolutionary trends throughout the biology spectrum. Emphasis is on taxonomy and microbiology. Students considering Biology 12 need good foundations in these basic Biology 11 concepts: cell theory, cell organelles, cell division, DNA & protein synthesis. Students are also required to calculate magnification and are expected to participate in laboratory experiments. Field study may include intertidal exploration.

Biology 12
Recommended: B in Biology 11 or better.
This is an advanced and comprehensive course that focuses on biochemistry and on human anatomy and physiology. As the body systems are explored, compared, and contrasted, an underlining theme of balance or homeostasis is constantly being analyzed. Extensive homework is required in order to be successful.

Chemistry 11
Recommended: Science 10 with a C+ average or better
Recommendation: Concurrently taking or has taken Mathematics11, Pre-Calculus
This course requires strong arithmetic skills and abilities from students. This introductory course includes safety, scientific method, mole concepts, stoichiometry, chemical reactions, atomic structure, periodic table, bonding, molarity, and organic chemistry. Activities include experiments, lectures, demonstrations, and formal laboratory write ups.

Chemistry 12
Recommended: B in Chemistry 11
Recommendation: Concurrently taking or has taken Mathematics 12 , Pre-Calculus/Calculus 12 . Strong arithmetic skills are required to achieve understanding and application in the following themes, reaction rates, solubility, acids and bases, and reduction-oxidation reactions.

Physics 11
Recommended: Science 10 and Foundations of Mathematics 10 with a B or better.

This academic course is best suited to problem-solvers with a strength in mathematics, especially word problems. Physics 11 core material includes: wave motion, kinematics (one dimension), dynamics, mechanical and heat energy, nuclear physics, special relativity and optics (if time permits). Activities include labs, lectures, demonstrations, and audiovisual support.

Physics 12
Recommended: B in Physics 11
This is an advanced course dealing with Newton's laws: momentum, work, energy, gravity, and Coulomb's law; magnetism and electricity. This material requires a good foundation and background in math.
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Science Cont'd

Earth Science 11
Recommended: Science 10 with a C+ or better
This course is dominated by lengthy Astronomy (Space) and Geology (Rocks/Minerals, Earthquakes, Volcanoes, etc.) units, with lesser units on Oceanography and Meteorology (Weather and Climate Change).

Biochemistry 11 Inquiry Course

Note: Upon completion of this course, students will receive full credit for both Biology 11 and Chemistry 11.

This ***linear*** course looks at the essential questions underlying biology and chemistry and the connections between them in living things. The foundation of this course will be ***inquiry based learning.*** The range of approaches to meet the learning outcomes will be: lab investigations, case studies, individual and group projects, **eportfolios**, use of technology, field work and capstone inquiry projects. Specific learning processes will include: creating your own questions, obtaining and explaining evidence to support your learning and connecting the evidence to knowledge of the course material.

Geology 12
Recommended:
Science 10 is required. Earth Science 11 helps, but is <u>not</u> required.
This academic course follows in the footsteps of Earth Science 11, but is more technical in nature. The overall goal of the course is to gain a greater understanding of the world around us, and be able to recognize and explain all of the features and events we see around us.
The course itself is split up into various units:
Earth Materials: rocks, minerals, economic deposits
Plate Tectonics: earthquakes and volcanoes
Surface Processes: river systems, groundwater, glaciers

Science and Technology 11

Recommended for students with less than C in Science 10

This course fulfills the Science 11 graduation requirement. It is a non-academic course that is not intended to prepare students for post secondary science programs. There is no final exam. Students will earn their grades by completing a variety of hands-on lab activities. This course includes engineering projects, such as bridge building and egg drop competitions as well as discussing science issues like global warming and biotechnology

Social Studies

Social Studies 9

Social Studies 9 is part of the new Ministry graduation program. The new Social Studies 9 curriculum has three (3) core competencies: communication, thinking and personal and social well- being. Along with the three core competencies, the curriculum will focus on four (4) big ideas: emerging ideas and ideologies that influence society and events, how the physical environment affects social, political and economic change, the effect power has on the relationships of individuals and society and lastly how society's identity can change over time. Themes of EMS's Social Studies Department in Grade 9 will be, revolutions and revolutionary change, the expansion of Canada, and World Conflict Part I (e.g. Seven Year War and War of 1812) and World Conflict Part II (e.g. Franco Prussian War and World War One).

Social Studies 10

Social Studies 10 traces the development of Canada economically, socially, and politically from the War of 1812 to the beginning of the 20th Century. Students will study the identity, society, and culture of Canada and the issues that steered Canada towards political unity and nationhood. Students will also investigate English, French, and First Nation relations throughout the course, investigate the development of the modern British Columbia economy, and analyze how geography influenced the economic development and settlement patterns in regions of Canada. The physical regions of Canada as well as current events will be examined.

Social Studies 11

Recommended: Social Studies 10

The course examines Canada's modern history, the structure and function of government, and global issues such as population and living standards, and environmental concerns. Specific topics that are studied in the course include Canada's international involvement in World War One, World War Two, the Cold War and into the 21st Century. The course also examines the development and impact of Canadian social policies and programs related to immigrants, First Nations, and minority rights. Canadian politics including the inner workings of Canadian government and the Senate are studied. Geographically, topics such as the impact of exponential population growth on world resources and living standards are examined.

Geography 12

Recommended: Social Studies 11

Geography 12 is the exciting study of the physical environment, and how we interact with it. This course focuses on explaining the processes that shape our world, such as climate and weather, plate tectonics and volcanism, rivers, and glaciers. Human geography is also incorporated into this course, as students learn how the environment impacts both political and social developments across the globe. Topics students may explore include environmental issues, such as pipelines, renewable energy, and resource extraction. Other topics include human adaptations in earthquake-prone areas or ways to mitigate climate change. Given the nature of Geography, there may also be a focus on field studies including a "Sea-to-Sky" Whistler fieldtrip, coastal processes at White Rock Beach, and other locations.

Social Studies *(cont'd)*

History 12
Recommended: Social Studies 11
History 12 is a rigorous academic course that studies 20th Century history from 1919 – 2001. Topics covered in this course are the impact of World War One, the Paris Peace Conferences, the rise of fascism, the cause and chronology of World War Two, the origins of the Cold War and Cold War Conflicts. The Civil Rights Movement is also examined. Students are expected to be able to read, understand and write historically in this action packed and fast paced course.

Social Justice 12
Social Justice 12 is an interactive course that involves defining and studying past and current impact of : aboriginal issues, children's rights, labor issues, poverty, racial issues, gender and sexual orientation, women's issues. In place of a final exam students will complete an action plan in which they get involved in a school, local, national, or international social justice issue. This course will be good preparation for college or university-bound students. The course deals with a variety of topics that are heavily emphasized in the humanities / arts departments, but are not a large part of the rest of the Social Studies curriculum. Students need to be prepared to have excellent work habits and to be very involved in classroom participation.

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Law 12
Law 12 is the study of the formal rules of governing our society. In this class, students will set a foundation for understanding Canadian law and how it impacts the lives of all people living in Canada. Students will study the main components of Canada's constitution and Charter of Rights and Freedoms. Students will become grounded in many facets of criminal law from the elements of crime, criminal justice to sentencing and youth crime. The civil law component will include Family Law and its practical application in Canada and Tort Law and the many ways in which citizens can seek compensation through the court system. Law 12 will be particularly helpful to students considering careers in politics and government or as paralegals, police officers or lawyers

BC First Nations 11 / 12
Can be taken in the place of *Social Studies 11*
Students who choose to take BC First Nations 11 /12 will learn about BC First Nations peoples and their traditionally strong relationship to the land and the natural world around them. Students will examine the richness of BC First Nations culture and history as well as the impact that contact, religion and colonialism had upon the people who live and have lived here. Students will explore oral histories, art and artistic expressions of local BC First Nations as well as Aboriginal identity and the current advancements towards Aboriginal self-government. At Earl Marriott Secondary, BC First Nations 11 / 12 will include the knowledge of the Semiahmoo First Nation's people and their elders to enhance and advance our understanding of BC First Nations history, culture and traditions. BC First Nations Studies will integrate inquiry based learning with important field trip activities around the Lower Mainland.

SPECIAL COURSES/PROGRAMS

Advanced Placement Program

The Advanced Placement Program is an enriched and accelerated course of study whereby students can complete college-level courses in secondary school. The content of each class is well beyond the normal secondary school level.

Earl Marriott is offering advanced placement programs in the following field of studies:

- AP Calculus
- AP Statistics
- AP Psychology
- AP English (Literature)

At the end of the course, the student writes a standardized supervised examination. The completed exam is forwarded to the central testing facilities in Princeton, New Jersey, where it is marked. Exams are three hours or less in length, and are generally in several parts: objective questions and free responses (*essays and analysis)*.

Final grades are reported on a five-point scale:

5 – extremely well-qualified
4 – well qualified
3 – qualified
2 – possibly qualified
1 – no recommendation

Advanced Placement grade reports are sent to students and their designated colleges/universities in early July. Students who write the exam may then apply to colleges and universities for either advanced standing (i.e., enter second year courses) or credit for a particular course. The decision to grant higher advanced standing or credit is the decision of the post-secondary institution to which the student applies.

Inquiry 8

Inquiry 8 is a yearlong interdisciplinary course that blends English 8 and Science 8. Students will have the opportunity to be part of a linear cohort. Two teachers, one a science teacher and the other an English teacher, will collaborate on the course curriculum to teach the course. Inquiry 8 offers students a project-based approach to learning that allows them to examine topics from multiple points of view. Along with content knowledge and curriculum-related themes, students will develop their abilities to ask questions, think critically, research, find solutions to problems, and communicate their ideas.

Conflicts: French Immersion students and students who are taking linear band would not be able to request Inquiry 8 due to timetable conflicts.

Inquiry 9

Inquiry 9 is a year-long interdisciplinary course giving you credit for Science 9 and Social Studies 9. In this course, we will look at ways society has shaped scientific discovery and how science in turn has led to societal change. Topics students may explore include the scientific revolution, the history and science of WWI, and food production. There will also be a focus on research skills and lab work. It is our hope that by the end of the course you will see how the two subjects are not only inextricably linked, but also shaped by one another.

Library Science 10/11

This course will provide students interested in library or information related careers with an introduction to research skills, library management, organization and services. The course is designed for students who are interested in exploring the potential of computers in communication and information retrieval. Students will learn research skills using a variety of technologies and print media. The students will be dealing with the public as they will be required to work as the teacher-librarian.

The teacher-librarian will meet with applicants prior to joining the course.

Student Leadership Opportunities

Peer Tutoring 11/12

Recommended: C+ or better average, good work habits and good attendance

This course is open to students in Grade 11 and 12. Peer Tutoring gives students the opportunity to help others while developing personal organizational and communication skills. Learn and understand how to meet the individual needs of learners through training and in-class experience. Working in grade 8-10 classes, peer tutors will be expected to keep a daily journal, complete assignments and assist the classroom teacher with individual students or small groups. Selection of peer tutors to their assignments will be based on their academic strengths. As peer tutors are working daily in classrooms, a sincere commitment to working with students and exemplary attendance are mandatory. This course includes a screening process for all candidates. An application form, with teacher recommendation is required. Students will be placed in courses on an as-needed basis.

Peer Tutoring 11/12: Mariners Compass Course

Recommended: B or better average, interested in working with junior students, good work habits and good attendance.

The Peer Tutoring course is open for students who are in the Senior grades (11-12). Senior students work closely with junior students assisting them with assignments, helping them get organized, and study for upcoming tests. Mariner Compass Course Peer tutors are a positive role model toward school, homework and studying and demonstrate a sincere commitment to helping junior students who are struggling with one or more of their core academic courses. Senior Peer tutors will be placed with junior students based on their academic strengths. Proficiency in junior math grades (8, 9) makes an ideal candidate, but is not mandatory.

The Mariner Compass Course runs twice per week, Tuesday's and Thursday's all year during period 5. Students committing to a full year of peer tutoring will receive 4 credits toward graduation. Students that can only commit to one semester of peer tutoring can receive 2 credits toward graduation, or volunteer hours that can be used toward Graduation Transitions.

Technology Education

Glass Art 9
This is an introductory course for students interested in the methods and techniques of working with glass. Students will learn image development, design and the use of color as they make various projects. The course introduces terms and tools for glasswork as students create artworks using mosaic, etching, and foiling techniques. Some of the projects include stained glass suncatchers, sand-blasted designs and more.

Glass Art 11
This course will provide opportunities for both beginner and experienced participants to design and create projects using various glass working methods. Students will learn and develop the required skills to work with glass as they create projects such as stained-glass windows and boxes, glass beads, vases, dishes, etc. Students are required to complete all assignments and design one major project of their choice. Approximately 35% theory and 65% practical.

Glass Art 12 (Visual Arts and Media 12)
This course on working with glass is for experienced or novice students. Beginner students may follow the Grade 11 course for skill development, while experienced glass workers will be expected to show more initiative and independence in their project selection and design. Students will complete several teacher directed projects to refresh/ learn new skills and at least one major piece of the student's choice and design.

Drafting and Design 1
An introductory course that provides skill development in computer and manual drawing techniques. Students will learn to draw in architectural and mechanical-related areas. This course will be of interest to students interested in math, engineering, trades and design fields.

Drafting and Design 2
Recommended: Drafting and Design I

The objective of this course is to offer a combination of knowledge and "hands-on" skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include conventional board drawing, measurement, and a variety of software applications, primarily AutoCAD with an emphasis on architectural and mechanical drawings. Students will apply the acquired skills in the design and drawing of teacher/student-selected projects.

Drafting and Design 3
Recommended: Drafting and Design 2
This course requires an advanced set of skills and knowledge. Students will be expected to develop detailed architectural or mechanical drawings. Scale models may also be created. Students will apply the acquired skills in the design and drawing of teacher / student selected projects, which could facilitate a portfolio for post-secondary entrance or career exploration.

Drafting and Design 12
(Engineering & Mechanical Drafting)
Recommended: Drafting and Design 1 and 2
Students will produce advanced working drawings and computer generated models of gears, cams, fasteners, and complex machine parts following drafting standards, conventions, and details. Production of complete assembly drawings will be used to demonstrate the relationships between various components and the proper selection of appropriate materials. Drafting symbols and conventions for welding, electrical and pip-

Drafting and Design 12
(Architecture and Habitat Design)

Recommended: Drafting and Design 1 and 2

This course will examine architectural styles in creating 2D and 3D design solutions for a variety of habitat design problems. Building code and permits, zoning bylaws, the planning process and building inspections will all be examined in developing floor plans, elevations, details, schedules and specifications. The major focus or project is to resolve an architectural design problem including spatial, ergonomic, or landscape consideration such as urban design or community infrastructure.

Computer Animation 11 (10-11)

Students who have an interest in areas that include 3D computer animation, gaming, interior design, architecture, and general computer use will find this course fun, interesting, and valuable. Throughout this course, we will explore how we can communicate our unique and creative ideas through the use of 3-D computer animation using 3ds Max. 3ds Max is an industry standard computer program used throughout the world. It is frequently used by video game developers, TV commercial studios and architectural visualization studios. It is also used for movie effects and movie pre-visualization. Creativity will be encouraged throughout the course and you will learn new skills in a fun and relaxed atmosphere. No previous computer experience is necessary for the successful completion of this course.

Computer Animation 12

Recommended: Computer Animation 11

Building on the skills learned in Computer Animation 11, students will work on both self-directed and teacher assigned projects. Responsible students will have the opportunity to explore 3D computer animation in ways that they find interesting and valuable. This could include both personal and professional uses. Career opportunities that use 3D computer animation will also be explored.

Power 9

Power 9 is a hands-on course meant to explore technology by finding solutions to design challenges. Students will work both individually and in teams using the *design process* and a variety of woodwork and metalwork tools as well as computer programs. Each project will involve stages that include planning, testing, competition and reflection. This course will be enjoyable for students interested in becoming engineers, architects, builders, designers and also those who like to work on small projects that challenge their problem solving abilities. This course in interesting, fun and one you'll look forward to attending!

Some projects include: CO2 dragsters, robotics, bridge construction, catapults, electronics, mini -rockets, egg-drop competition, mousetrap powered cars.

There is an optional enhancement materials fee of $30. Students may take home all of their projects once they are completed and marked.

Power 10

This course focuses on engineering principles and studies how these concepts impact our everyday world. Engineering Technology 10 is a hands-on course meant to explore technology, but is more in-depth than the Engineering 9 course. This course contains a theory component for students with an interest in engineering, math, physics, design, and fabrication. Major components include simple machines, drafting, robotics, electronics, and basic physics principles. Students will study the design process and learn how to use a variety of woodwork, metalwork, and drafting tools. All projects are available for students to take home for an optional enhancement materials fee of $40. This course will challenge your problem solving skills and show you how engineers make our world a better place to live!

Technology *(cont'd)*

Woodwork 9
Woodwork 9 is designed to introduce students to woodwork technology. Safe operation of woodworking tools and machinery will be taught. During this class, students will learn how quality wood projects are produced using industry standard woodworking machines. Upon successful completion of this course, students will have a finished custom piece of furniture to take home. Students are expected to pay for project materials they take home. There is an optional enhancement materials fee but all students are welcome regardless of their ability to pay. Students unable to pay for their materials may do different assignments with the same learning outcomes.

Woodwork 10
Woodwork 10 is designed to introduce students to woodwork technology. Safe operation of woodworking tools and machinery will be taught. During this class, students will learn how quality wood projects are produced using industry standard woodworking machines. Upon successful completion of this course, students will have a finished custom piece of furniture to take home. Students that have successfully completed Woodwork 9 will be able to further their Woodwork knowledge and skills and have the opportunity to design and build projects of their choice. Projects may include: furniture, Skate decks, guitars…. bring your ideas.

Carpentry and Joinery 11 (Level 2)
Recommended: Woodwork 9 or 10
The main objective of this course is to offer a combination of knowledge and "hands-on" skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of safety, measurement, theory, tools and equipment, and materials and processes with an emphasis on the fabrication of wood related products. Students will apply the acquired skills in the design and construction of teacher/student selected projects. This is a pre-requisite for Carpentry and Joinery 12 and all Carpentry and Joinery specialty courses.

Carpentry and Joinery 12 (Level 3)
Recommended: Carpentry and Joinery—Level 2
The main objective of this course is to offer an advanced combination of knowledge and "hands-on" skills that will build on a student's previous experience in woodwork. Students will apply their skills in the design and construction of advanced teacher/student selected projects that will challenge and further their previous experience from Carpentry and Joinery 11. Post-secondary and career options can be explored in the following specialty subject areas: Residential Construction, Furniture Construction, Cabinet Construction, and Woodcraft Products

Carpentry and Joinery 12 (Furniture Construction)
Recommended: Carpentry and Joinery - Level 2
After identifying a variety of wood species and their common applications, students will learn basic furniture construction techniques. Historical and modern furniture styles as well as ergonomics will be utilized in the furniture design. With an effective project work-plan, students will construct a piece of furniture using the acquired skills of machining, joining, and finishing. Students will also be expected to identify and use an appropriate selection of hardware, fasteners, and adhesives in the assembly of the project.

Carpentry and Joinery 12 (*Cabinet Construction)*
Recommended: Carpentry and Joinery - Level 2
This course focuses on cabinet making by incorporating the use of engineered wood products and
composite materials with solid wood. Students will use specific construction techniques including drawer construction and rail and stile doors, and other cabinet making techniques in the manufacturing of a variety of cabinets. Students will also be expected to use appropriate fasteners, hardware, and ad-

Technology *(cont'd)*

Woodcraft 11
This is an artistic course that utilizes a student's basic woodworking skills with the use of specific hand and machine tools to explore woodcraft art and /or carving. Some areas that may be covered include free form, relief, Native carving, wood sculpting, wood burning, inlay/Marguetry, Intarsia, as well as toy and puzzle making. Students are encouraged to explore her/his artistic impressions to create a multitude of projects using wood as a working medium. Although this is an artistic course, no experience in Art is necessary.

Woodcraft 12
Recommended: Woodcraft 11
This artistic course continues to develop student's skills in woodworking and carving. Students are encouraged to further their artistic and woodworking skills to create projects with wood as a working medium. Although this is an artistic course, no experience in Art is necessary.

Metal Work 9
Recommended: None
Students learn basics in metalworking, machine operations, oxygen/acetylene gas welding, wire-feed arc welding, basic sheet metal and aluminium casting. Students will be able to design and construct projects of their own choice with available materials. There are opportunities to cast a piece of jewellery, either a ring or a pendant, in gold or silver, using existing designs or by creating one's own design. Emphasis will be on safety at all times. Grade level determines project selection.

Metal Work 10
Students learn basics in metalworking, machine operations, oxygen/acetylene gas welding, wire-feed arc welding, basic sheet metal and aluminium casting. Students will be able to design and construct projects of their own choice with available materials. There are opportunities to cast a piece of jewellery, either a ring or a pendant, in gold or silver, using existing designs or by creating one's own design. Emphasis will be on safety at all times. Grade level determines project selection.

Metal Fabrication and Machining 11
The main objective of this course is to offer a combination of knowledge and "hands-on" skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of safety, measurement, theory, tools and equipment, and materials and processes with an emphasis on the fabrication of metal related products. Students will apply the acquired skills in the design and construction of teacher/student selected projects. Specific course objectives may include oxy-acetylene welding/cutting/ brazing, electric arc welding (stick), MIG and aluminum welding (wire feed) and plasma torch (cutting). Lathe and milling machine practices, sheet metal, casting and blacksmithing (forging) will also be included.

Metal Fabrication and Machining 12
Recommended: Metal Fabrication and Machining 11
The main objective of this course is to offer an advanced combination of knowledge and "hands-on" skills that will build on previous experience in metalwork. The areas of focus will include a blending of safety, advanced, and precision measurement using metric and imperial micrometers, theory, tools and equipment. The students will utilize the design process to make working drawings that will become practical realities. Post-secondary and career options are explored in the related subject areas.

Metal Fabrication and Machining 12 (Advanced Machining)
Recommended: Metal Fabrication and Machining 11 and 12
Advanced Machining will include lathe operations such an internal boring, taper turning, thread cutting, and reaming. Students will also learn about lathe cutting tools, work holding attachments, cutting speeds and feeds, turning work between centers, parting operations, facing stock held in the chuck, plain turning, and turning to a shoulder, Milling machine operations, methods, cutters, cutting fluids, speeds and feeds will also be explored. Upon successful completion of this course, the students will be proficient on both the lathe and milling machine with enhanced opportunities for a career as a journeyman machinist.

Technology *(cont'd)*

Metal Fabrication and Machining 12 (Advanced Welding)

Recommended: Metal Fabrication and Machining 11 and 12

Advanced welding will include oxy-fuel welding, soldering, brazing, shielded metal arc welding (Arc) and gas metal arc welding (Mig), gas tungsten arc welding (Tig). Gas welding will include equipment, welding rods, fluxes, equipment preparation and adjustment, joints, forehand, backhand, weld pool, brazing and braze welding, gas welding safety precautions. Oxy-acetylene cutting operations, cutting tip size, and pressures will be covered. Both shielded metal arc and gas metal arc welding equipment and accessories, welding symbols, preparation of material, safety precautions, and finishing techniques will be explored.

Art Metal and Jewellery 12

Recommended: Metal Fabrication and Machining 11 and 12

This is an artistic course using new and recycled metal 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. Mig welding (wire feed), casting (aluminum/brass/bronze), centrifugal lost wax casting, cuttle bone casting, and blacksmithing (forging). Projects may include gold/silver rings, bracelets, pendants, earrings, necklaces, hair barrettes, wire/metal sculptures and metal signage.

Metal Fabrication and Machining 12 (Forging and Foundry)

Recommended: Metal Fabrication and Machining 11 and 12

This course reflects traditional methods of working with metal. Advanced techniques to be demonstrated will be: sand and lost foam casting, pattern making, and moulding. Students will also learn about different sands, tools and equipment (cope and drag), as well as learning precautionary methods for dealing with molten metal. Various blacksmith techniques will include forming, drawing out and upsetting, in addition to drop, press, roll and rotary forging. Students will cover wrought iron, various bending, twisting and manipulation techniques in addition to designing and building jigs. Once castings and forging are completed, students will learn to machine and finish to obtain and final product.

Automotive Technology (General Information)

The Automotive 11 and 12 courses are open to both male and female students. These courses are designed to offer the basic knowledge and skills required to maintain a vehicle. In addition, there are specialty courses for those students with a greater interest in automotive technology or for students pursuing one of the many automotive career options after high school. Students will apply the acquired knowledge and skills in the performance of teacher/student-selected labs with an emphasis on shop work.

Automotive Technology 11

Recommended: Grade 10 or 11 students or Mechanics 9 Recommended

- Safety
- Shop Practices
- Basic Tools/Equipment
- Accessing Repair/Maintenance Data Information
- Tires and Wheels
- Brake Systems

Automotive Technology 12

Recommended: Automotive 11

- Safety
- Shop Practices
- Basic Tools /Equipment
- Accessing Repair / Maintenance Data Info.
- Charging & Electrical System
- Starting System

Automotive 12 Speciality Courses

Automotive Technology 12 - Engine and Drive Train

Recommended: Automotive 11 and 12

- Safety
- Shop Practices
- Basic Tools + Equipment
- Manual Transmissions

Automotive Technology 12 - Electricity Electronics

Recommended: Automotive 11 and 12

- Safety
- Shop Practices
- Basic Tools and Equipment
- On-Board Diagnostic (OBD)
- Starter and Alternator
- Control systems – Engine and Driveline
- Electronic Fuel Injection Systems
- Accessing Repair/Maintenance Data Information

Automotive Technology 12 Body Repair and Finish

Recommended: Automotive 11 and 12

- Safety
- Shop Practices
- Basic Tools and Equipment
- Accessing Repair/Maintenance Data Information
- Panel Repair Techniques
- Fibreglass Repair/Forming
- Prepping for Refinishing
- Refinishing

Technology *(cont'd)*

Mechanics Co-op Program

Recommended: Students are required to have completed English 10 and a Math 10. Students must have an interest in mechanics and be mature enough to work in an industrial environment.

This program provides students with an opportunity to study Automotive Mechanics in depth. As well, students may explore a variety of possible Mechanical Trades careers during their work placements. Work experience does not need to be confined to Automotive Mechanics. Students interested in pursuing mechanics as a hobby will find that this program will provide a solid foundation for future mechanical interests.

Courses taken during the Mechanics Co-op program include Mechanics 11, Mechanics 12, Apprenticeship & Workplace Math 11, Autobody Repair and Finish, or Electricity Electronics). Eight grade 12 credits are also earned through completion of two three-week work experiences (WEX 12A, WEX 12B). For more information and an application, contact the Career Centre in room 322.

Skills Exploration Co-op Program

This course is designed for students who are considering in career of one of the many technical related trades (eg. electrical, plumbing, carpentry and metal fabrication/welding). This program can be taken in Grade 11 or 12 and is open to both male and female students. Students will also take Apprenticeship and Workplace Math 11 which will provide a sound background of math skills as they pertain to the skilled trade. English, Socials Studies and Science requirements must be completed in the first semester.

Student Support

BASES Program
(Building Academic Social and Employment Skills)

BASES is a program for students with Special Needs. This program is staffed with a teacher, Education Assistants (EAs), and ABA Support Workers. Our BASES program has a fully equipped Special Education Classroom (room 115) complete with a kitchen, individualized work stations with computers, a sensory room and a quiet room. Our BASES program is for students on completely individualized programs with a focus on life and social skills. Several students in BASES have physical, as well as intellectual challenges, and therefore many outside agencies such as the Centre for Child Development are involved. Many EMS BASES students take non-academic courses throughout the day with the support of an EA. There is a strong work experience component in BASES and all senior BASES students are encouraged to complete at least three work experiences. Students in BASES graduate with a School Leaving Certificate.

LSB
(Learner Support BASES)

LSB is a division of our BASES program. It is an academic and social skills program for high functioning BASES students and special placement LST students. There is a combination of group teaching and individualized academics. These students have up to three blocks of LSB and also independently take various other academic and non-academic courses. Students in LSB graduate with a School Leaving Certificate.

Counselling Department
Educational & Personal Counselling:

Counsellors help students with

- Transition from elementary to high school
- Course Selection for Grades 8-12
- Graduation Requirements and Course credits (i.e External credits, Language challenges, etc.)
- Post Secondary Admission
- Scholarship Opportunities & preparation

Personal Counselling

Students may make an appointment with the counsellor of their choice for problem solving, goal setting, communication and interpersonal skill development, support and coping strategies for stressors such as loss, failure, peer pressure, time management, drug & alcohol misuse, family conflict, divorce, problems in classes, e.g. bullying or any other issues.

Confidentiality is ensured except when someone might be in danger or if ordered by a court.

Counsellors provide information and support for students and parents through the following:

- Individual meetings with students
- Information meetings at lunch hour, before and after school
- Meetings with parents
- Information evenings for Course Planning, Post Secondary Admission, Scholarships
- Group counselling
- Telephone conversations and email
- Grad News (Mariner G.P.S.) on the website: www.earlmarriott.com

Youth Care Worker

Youth Care Workers support students who exhibit behavioural, social / emotional or mental health concerns that range from mild to serious. Their role is to support students in whatever manner will make them most successful. In some cases, this means: connecting them to services in the community, sharing resources / information, planning events, teaching lifeskills, offering advice, organizing groups targeted at specific issues, redirecting students to other pathways, or simply being there to listen and provide support.

ELL (English Language Learners)

ELL Starting
This is a beginner course for ELL students who have minimal experience with the English language, or living in Canada. The main objective of this course is for students to develop communicative competence in the areas of listening, speaking, writing and reading. During this course, students will learn about Canadian culture and customs within the school setting, as well as our greater community while building their academic vocabulary, reading and writing skills.

ELL Emerging
This is an intermediate language course for students who have experience learning English and living in Canada. The main objective of this course is to prepare students for their regular English and Social Studies classes. Emphasis will be placed on academic vocabulary development, reading, writing and speaking.

ELL Junior Writing (4 credits)
ELL Junior Writing is for students at the upper-beginner/lower intermediate level who are ready to learn the specific skills necessary for successful academic writing. Students will experience the process of writing through interesting content combined with focused work on vocabulary, grammar and syntax, and rhetorical patterns. Students will practice expressing information, ideas, and opinions in logical and coherent order and in a variety of written formats. Students will gain skills, experience, and confidence necessary to meet the writing expectations of the Grade 10 English curriculum.

ELL Senior Writing (4 Credits)
ELL Senior Writing is for students at the upper-beginner/lower intermediate level who are ready to learn the specific skills necessary for successful academic writing. Students will experience the process of writing through interesting content combined with focused work on vocabulary, grammar and syntax, and rhetorical patterns. Students will practice expressing information, ideas, and opinions in logical and coherent order and in a variety of written formats. Students will gain skills, experience, and confidence necessary to meet the writing expectations of the senior level English curriculum.

ELL Senior Reading (4 Credits)
This course is for upper-beginner and intermediate ELL students who need to develop their proficiency in reading for comprehension of English text. The focus is on learning various reading strategies to comprehend various genres, including daily news and communication, fiction and non-fiction text, graphs and illustrations, and academic text.

Learning Support Team

The LST room is open to all students for academic support. This may include review of academic material, separate setting for tests or the use of a computer to type assignments. The room is open during all academic hours including junior and senior lunch.

LST students at EMS are fully integrated. Special "blocked in" classes are not provided. Our model is to provide in-class service to identified LST students in the junior grades and promote independence and self-knowledge to all students who require academic support. In-class support is assigned based on prioritized need and ministry guidelines.

LST students are encouraged to help themselves by recognizing their own strengths and needs. Students who need technology or other resources may access them, as outlined in their IEPs. The goal is not to foster their dependence on adult support, but instead to substantially increase their independence and ability to achieve academic success.

Mariner Compass Course
Learning Support for Junior Students

The Mariner Compass Course is an after school support program (Period 5) for junior students who are in need of extra support in their academic classes. Junior students work closely with peer tutors who assist them with their assignments, get organized and study for upcoming tests. The Mariner Compass Course runs twice a week, Tuesdays and Thursdays all year. Teachers recommend students who they believe will benefit from the program through a referral process after contact home and discussion with LST. Once students are recommended for the Mariner Compass Course, it is strongly recommended they attend regularly to ensure they benefit from the peer tutor support that is offered to them.

Academic Study for Athletes (ASA)

This course is designed to assist student-athletes in establishing a balance between their academics and athletic pursuits at Earl Marriott. Enrolment in the Academic Study for Athletes block will automatically create a 5th period study that provides a student-athlete the freedom to participate in school sport without continually missing class time in the last period of the day. This course will require student-athletes to consult periodically with the Athletic Director to establish academic goals and to create a plan that demonstrates an understanding of how to be successful in the classroom. Additionally, student-athletes will be provided supplementary support and assistance to ensure success is achieved academically and athletically at EMS. Prospective students must be a member of a team at Earl Marriott and should select this course in the semester they participate in sport.

Study Blocks

A student in **Grade 12** may elect to include a study block in one semester and may select this option on the Course Selection Form. In some cases, **a second study block** may be permitted but **requires *an application process*.** Approval of a second study in Grade 12 will require that the student be in a position to have **88 credits or more credits** before the inclusion of the second study and to otherwise meet all graduation requirements (e.g., specific course requirements).

A student in Grade 11 may also apply to include **one** study block in either semester of their Grade 11 year *provided the student has **64 or more credits before the inclusion of the study block.***

Application forms for a study block (as described above) are available in the Counselling Centre

Making Good Choices in Senior High School to Prepare for Post Secondary

How to research Post Secondary Programs and their admission requirements:

For B.C. public post-secondary institutions visit:

www.educationplanner.ca

- Go to → "Search", and choose whether you want to search by:

- program
- words
- who offers what
- apprenticeship
- Graduation Programs

To apply to B.C. Post Secondary Institutions: http://applybc.ca

For information about other Canadian public post-secondary institutions visit:
www.schoolfinder.com

General University Requirements

* each institution and faculty varies, check university websites

2nd Language 11
Foundations of Math 11 + 12 or Pre-Calculus 11
English 12
3 or more approved Gr. 12 courses:
Biology 12, Chemistry 12, English Literature 12, Français Langue 12, French 12, Geography 12, Geology 12, History 12, Mandarin 12, Mathematics 12, Physics 12, Spanish 12 (some universities accept Calculus 12, Law 12 or Social Justice 12 and more)

Faculty Specific Requirements

*Each institution and faculty varies, check university websites

Arts, Humanities, Social Sciences: As above for general admission
Sciences: English 12, Chemistry 11, Physics 11, Pre-Calculus 12, 2 Science 12's, Calculus 12 is recommended
Business: English 12, Pre-Calculus 12 + 2 Gr. 12 courses + possibly a "supplemental application", Calculus 12 is recommended

College/Technical School Requirements

- High school graduation **or** mature student status for general admission

Faculty specific requirements also apply – Check the institution's website

**It is ultimately the student's responsibility to check the individual post secondary institution's website for admission requirements!*