

Westmount Charter School

Course Selection Handbook

Grades 10-12

2018 - 2019

Updated March 21, 2018

Program Planning and Course Selection for High School

Students at Westmount Charter going into grades 10-12 have the opportunity to access a variety of supports when planning their high school program.

In February and March, SOURCE classes will address how to plan a balanced program over the course of their high school years. Students will be guided through high school graduation requirements, what to expect in high school at each grade level, how a well-rounded program includes a balance of academics and options, and preparation for post-secondary/life after high school. A template for program planning will be shared with students.

Students have the opportunity to meet individually with a counsellor from Student Services to go through their program plan, ask specific questions, and get support for post-secondary planning.

Students planning to apply to post-secondary (university, college, technical schools) will need to go to the website of the institution and look up the entrance requirements for the program they are interested in. If students are uncertain about their future goals, they can access our Career Centre in Student Services either by dropping in to look at the resources or making an appointment. The Career Centre also provides information on scholarships, and this information is continually updated on our Westmount Charter website under Students--Mid/High--Student Services.

Once program planning meetings have been completed, online course selection will be available online. Students will access this through the PowerSchool portal. Please ensure that you have set up access prior to course selection. Information will be sent out via Communications regarding the date it will be available.

High School Redesign

Alberta schools have been encouraged to form dual credit partnerships with post-secondary institutions and industry. Dual Credit creates more opportunities for students to earn credits in high school and post-secondary institutions at the same time. Westmount Charter School has formed dual credit partnerships with degree granting institutions in Calgary to reflect the needs of our gifted learners. Dual credit partnerships are an opportunity to safely expose our gifted students to the natural next step: post-secondary courses, providing our students with invaluable growth opportunities in both affective and intellectual domains.

These course offerings may vary depending upon the needs/interests of students, our access to programming at these post-secondary institutions, and availability of funding. Students interested in dual credit should discuss this with the learning leader in that subject or our High School Redesign Coordinator.

High School Graduation Requirements

Alberta High School Diploma: Graduation Requirements

*To attain an Alberta High School Diploma, a student must meet all requirements listed below. Post-secondary institutions and workplaces may require additional and/or specific courses for entry. Courses in **red** are not offered by Westmount Charter School, but still count toward the Alberta High School Diploma requirements and will be accepted.*

A student must have a total of 100 credits with the following criteria:

5 credits in a 30-level English Language Arts course:
(English Language Arts 30-1 or **30-2**)

5 credits in a 30-level Social Studies course:
(Social Studies 30-1 or **30-2**)

5 credits in a 20-level Mathematics course:
(Mathematics 20-1, **20-2**, or **20-3**)

5 credits in a 20-level Science course:
(Biology 20, Chemistry 20, or Physics 20, **Science 20** or **Science 24**)

3 credits in Physical Education 10

3 credits in Career and Life Management

A total of 10 credits, in any combination, from the courses below:

- Career & Technology Studies (CTS)
- Fine Arts
- Second Languages
- Physical Education 20 and/or 30
- Registered Apprenticeship Programs

A total of 10 credits, in any combination, in any 30-level courses.

This is in addition to English Language Arts and Social Studies listed above.

- 30-level mathematics, science, fine arts, second languages, CTS, or physical education
- 30-level locally developed courses
- 30-level Work Experience
- Advanced level (3000 series) in CTS courses

English

Course Name	Description
<p>Humanities 10 (grade 10)</p> <p>10 credits</p>	<p>Prerequisite: Language Arts 9 & Social Studies 9</p> <p>Humanities 10 will incorporate the skills and understanding expected of both English 10-1 and Social Studies 10-1. As the Social Studies curriculum focuses on Globalization, aspects of it will be explored in greater depth via literature, film, drama and images. Students will explore and practice several methods by which to critically analyse text. Written expression will draw upon formats and topics that pertain to both grade 10 foundational courses.</p>
<p>English 20-1 (grade 11)</p> <p>5 credits</p>	<p>Prerequisite: English 10</p> <p>English 20-1 is the second in a series of three 5-credit courses designed for students to become actively involved in enhancing their skills in critical reading, writing, listening, speaking, viewing, and representing.</p> <p>In addition to the practical, personal and critical aspects of communication and language use, students will work on critical understanding of literature, specifically literary structure and technique.</p>
<p>English 30-1 (grade 12)</p> <p>5 credits</p>	<p>Prerequisite: English 20</p> <p>English 30-1 is the last in a series of three 5-credit courses designed for students to be actively involved in enhancing their skills in critical understanding and assessment of literature, specifically literary structure and technique.</p> <p>Students will continue to refine and develop their ability to express ideas, opinions and viewpoints through critical reading, writing, listening, speaking, viewing, and representing. There is a diploma exam at the end of this course.</p>
<p>English 35 AP (grade 11/12)</p> <p>3 credits</p>	<p>Prerequisite: English 30</p> <p>Recommendations: Anyone taking English AP should have a deep interest in literature and be a strong reader. It is strongly recommended that to be successful in English AP you should have earned a minimum of 80% in English 30 or through teacher recommendation</p> <p>English 35 AP is a course which is designed to provide highly motivated students the opportunity to challenge themselves with the study of English at the first-year university level while still in high school. Although it is expected that all students will write the AP Literature and Composition exam in May, the course will not be exclusively focused on the exam. We will explore a full range of approaches and responses to a selection of classic literary texts. As well, the structure of the course is designed to introduce students to instructional practices and learner expectations that are typically employed at the university level, such as student led seminars and major independent projects. In the evaluation of student work, however, standards will be equivalent to those employed in English 30.</p>

Social Studies

<p>Humanities 10 (grade 10) 10 credits</p>	<p>Prerequisite: Language Arts 9 & Social Studies 9</p> <p>Humanities 10 will incorporate the skills and understanding expected of both English 10-1 and Social Studies 10-1. As the Social Studies curriculum focuses on Globalization, aspects of it will be explored in greater depth via literature, film, drama and images. Students will explore and practice several methods by which to critically analyse text. Written expression will draw upon formats and topics that pertain to both grade 10 foundational courses.</p>
<p>Social Studies 20-1 (grade 11)</p> <p>5 credits</p>	<p>Prerequisite: Social Studies 10</p> <p>Social Studies 20-1 attempts to address the following question: “To what extent should we embrace nationalism?” There are many perspectives on this issue, and participants will investigate them by examining nationalism’s origin, its influence on regional, international and global relations. Students will explore the relationship among nationalism, citizenship, and identity while developing a personal point of view.</p>
<p>Social Studies 30-1 (grade 12)</p> <p>5 credits</p>	<p>Prerequisite: Social Studies 20</p> <p>Social Studies 30-1 attempts to address the following questions: “To what extent should we embrace an ideology?” Students will explore the origins and complexities of ideologies and examine multiple perspectives regarding the principles of classical and modern liberalism. An analysis of various political and economic systems will allow students to assess the viability of the principles of liberalism. Developing understandings of the roles and responsibilities associated with citizenship will encourage students to respond to the emergent global issues and develop their own personal point of view on modern liberalism.</p>

Mathematics

Course Name	Description
<p>Mathematics 10C (Grade 10)</p> <p>5 credits</p>	<p>Prerequisite: Mathematics 9</p> <p>Mathematics 10C is an enriched pre-calculus mathematics course designed for students with a strong aptitude and keen interest in mathematics. It 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 calculus. The sequence is a co-requisite for Mathematics 31. Mathematics 10C emphasizes mathematical theory, measurement, algebra and number, relations and functions, trigonometry and incorporates technology as a tool to enhance understanding.</p>
<p>Mathematics 20-1 (grade 10/11)</p> <p>5 credits</p>	<p>Prerequisite: Mathematics 10C</p> <p>Mathematics 20-1 is an enriched pre-calculus mathematics course designed for students with a strong aptitude and keen interest in mathematics. It 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 calculus.</p>

	<p>The sequence is a co-requisite for Mathematics 31. Mathematics 20-1 emphasizes mathematical theory and includes algebra and number, relations and functions and trigonometry and incorporates technology as a tool to enhance understanding.</p>
<p>Mathematics 30-1 (grade 10/11/12)</p> <p>5 credits</p>	<p>Prerequisite: Mathematics 20-1</p> <p>Mathematics 30-1 is an enriched pre-calculus mathematics course designed for students with a strong aptitude and keen interest in mathematics. It 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 calculus. The sequence is a co-requisite for Mathematics 31. Mathematics 30-1 emphasizes mathematical theory and includes permutations, combinations and binomial theorem, relations and functions and trigonometry and incorporates technology as a tool to enhance understanding.</p>
<p>Math 31 AP (AP Calculus AB)</p> <p>5 credits</p>	<p>Prerequisite: Mathematics 20-1 Recommended 65% Mathematics 30-1</p> <p>Recommendations: It is strongly recommended that to be successful in Advanced Placement (AP) Calculus you should have earned a minimum of 80% in Mathematics 20 - 1 and 30 – 1.</p> <p><i>If you do not meet the requirements set out in the recommendation, a meeting with the school counselor is required in order to open up the potential for enrolment.</i></p> <p>AP enables students to pursue college-level studies while still in high school. Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. Calculus AB develops the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The topics covered and the difficulty of the course follows the College Board Standards for advanced placement (see http://apcentral.collegeboard.com). Students have the option of taking only Math 31 AP or writing the AP Calculus AB exam for university credit in May.</p> <p>This course is not equivalent to Alberta Education Math 31. This course goes beyond Math 31, and therefore students will get credit for Math 31.</p>
<p>Math 35 AP (AP Calculus BC)</p> <p>3 credits</p>	<p>Prerequisite: Math 31 AP (AP Calculus AB)</p> <p>AP enables students to pursue college-level studies while still in high school. Calculus BC is a course devoted to topics in differential, integral calculus and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. Calculus BC continues to develop the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The topics covered and the difficulty of the course follows the College Board Standards for advanced placement (see http://apcentral.collegeboard.com). The course prepares students to write the BC level AP Calculus exam in May. Students who do not take this extension course can still write the AB level Calculus AP exam.</p>

Sciences

Course Name	Description
<p>Science 10 (grade 10)</p> <p>5 credits</p>	<p>Prerequisites: Science 9 Recommended Completion of Math 9</p> <p><i>Students in grade 9 will be required to meet with a school counselor and have the approval of administration in order to open up the potential for enrolment.</i></p> <p>This course is the first in the academic sequence leading to Biology 20 and 30, Chemistry 20 and 30, Physics 20 and 30. This course emphasizes the processes by which matter and energy are exchanged in global, chemical, and biological systems, and the principles that govern energy transformation. Topics of study include: Energy and Matter in Chemical Change, Energy Flow in Technological Systems, Cycling of Matter in Living Systems, and Energy Flow in Global Systems.</p>
<p>Biology 20 (grade 10/11/12)</p> <p>5 credits</p>	<p>Prerequisite: Science 10</p> <p>This course build upon concepts learned in previous science courses and focuses on major themes in biology with an emphasis on the connections between the various levels of organization of life (from molecules to ecosystems). Students in this course will be exposed to a variety of laboratory techniques and biological concepts. The topics covered in biology 20 are: Chemistry of Life, The Cell: Photosynthesis and Cellular Respiration, Ecosystems and Ecology, and Human Systems.</p>
<p>Biology 30 (grade 11/12)</p> <p>5 credits</p>	<p>Prerequisite: Biology 20</p> <p>This course builds upon concepts learned in Biology 20 with a focus on the major themes in biology and on human systems. Students in this course will be exposed to increased depth of understanding of biological processes, laboratory procedures, and scientific writing. The students will cover topics in the nervous and endocrine systems, reproduction and development, DNA (cell cycle, genetics, biochemistry), and evolution/ecology. It is recommended that a desire to study biology in post-secondary is considered when choosing to enroll in this course.</p>
<p>Biology 30/35 AP (grade 11/12)</p> <p>8 credits total: 5 Biology 30 3 Biology 35AP</p>	<p>Prerequisite: Biology 20 Recommend 65% Biology 20</p> <p>Recommendations: It is strongly recommended that to be successful in Biology AP you should have earned a minimum of 80% in Biology 20 and you have completed the Chemistry 20 course or through recommendation by your biology teacher.</p> <p>The students will cover topics in biochemistry, cells, evolution, classification, DNA, ecology, energy dynamics/metabolism, and plant and animal physiology.</p> <p>This course is dedicated to those truly interested in biological processes beyond</p>

	<p>the scope of the Alberta curriculum. Students are exposed to a variety of laboratory techniques and design, and are provided the opportunity to learn about a vast array of processes and functions in the biological world beyond our own species. The course runs all year and consists of a daily session in term 1 and an alternate day session in term 2. It is a challenging course with homework assigned outside of class - students should expect at least 1 hour of homework on a daily basis.</p> <p>The topics covered and the difficulty of the course follows the College Board Standards for advanced placement (see http://apcentral.collegeboard.com).</p> <p>Students will be completing both the AP and the Alberta Biology 30 program within this course; it is designed as a full year course – entrance into the AP section of the course is not an option for students who have completed the Biology 30 program.</p>
<p>Chemistry 20</p> <p>5 credits</p>	<p>Prerequisite: Science 10</p> <p>This course builds upon applicable units from Science 10. Units of study include: matter that forms solutions, stoichiometry, chemical bonding, and gas laws. Chemistry 20 is tied to Chemistry 30 by emphasizing key science themes such as energy, matter, change, systems, diversity and equilibrium.</p>
<p>Chemistry 30</p> <p>5 credits</p>	<p>Prerequisite: Chemistry 20 Recommended completion of Mathematics 10C</p> <p>This course furthers student knowledge from Chemistry 20. The themes of change, energy and systems are central in Chemistry 30, as well as equilibrium and matter. Students explore how changes to one part results in changes to other parts of the system. Units of study include thermochemical changes, electrochemical changes, chemical changes of organic compounds, and equilibrium within acid-base systems.</p>
<p>Physics 20</p> <p>5 credits</p>	<p>Prerequisite: Science 10 Recommend currently enrolled or previous credit in Math 10</p> <p>Recommendation: Mathematics 10C. Students need a strong foundation in mathematics, including trigonometry and multi-variable algebra. Students who have 65% or less will find this course very challenging.</p> <p>This course is the first in the Physics 20-30 academic sequence and builds upon applicable units from Science 10. Units of study include: kinematics and dynamics, circular motion and gravitation, work and energy, oscillatory motion and mechanical waves. In studying the science of motion, students will explore kinetic energy, gravitational potential energy, and heat energy. Physics 20 utilizes both graphical and algebraic techniques throughout the investigation of these topics. A key component of the course is inquiry based lab work.</p>
<p>Physics 30</p> <p>5 credits</p>	<p>Prerequisite: Physics 20</p> <p>This course furthers student knowledge from Physics 20. The themes of diversity of energy and matter are predominant in this course. Units of study include momentum and impulse, forces and fields, electromagnetic radiation and modern physics, and the nature of matter with a brief introduction to quantum mechanics.</p> <p>This class is highly conceptual when compared to Physics 20, success will be determined on being more familiar with the ideas and concepts, than a reliance on</p>

	algebraic ability and mathematical formulae.
Physics 30/35 AP (grade 11/12) 8 credits total: 5 <i>Physics 30</i> 3 <i>Physics 35AP</i>	Prerequisite: 50% Physics 20 and Chemistry 20 Recommendations: It is strongly recommended that to be successful in Physics AP you should have earned a minimum of 80% in Physics 20 and Chemistry 20. If you do not meet the requirements set out in the recommendation, a meeting with a school counselor is required in order to open up the potential for enrolment. Physics AP builds on the concepts introduced in Physics 20 and 30. Students will expand their knowledge of Electromagnetism and Energy, and learn introductory Thermodynamics, Circuits, and Fluid Mechanics. Students will be prepared to write the AP Physics 2 exam, which is described at http://apcentral.collegeboard.com . Students will be completing both the AP and the Alberta Physics 30 program within this course; it is designed as a full year course, where Physics 30 is completed in the first semester.

Physical Education and CALM

Course Name	Description
Physical Education 10 (grade 10) 3-5 credits	Prerequisite: None The PE Flex program is a new opportunity for grade 10, 11 & 12 students to have a choice of activities to acquire their physical education credits. For this program, students will choose from the activities scheduled with a minimum number of activities required to earn their credits. Activities outside of school may be able to be used towards their PE credits in this Flex program. This gives students the opportunity to acquire 3, 4 or 5 credits for PE 10. All field trips are pay as you go and require forms and payment to ensure a spot on the trip.
Physical Education 20 & 30 Flex 3-5 credits	Prerequisite: PE 10 The PE Flex program is a new opportunity for grade 10, 11 & 12 students to have a choice of activities to acquire their physical education credits. For this program, students will choose from the activities scheduled with a minimum number of activities required to earn their credits. Activities outside of school may be able to be used towards their PE credits in this Flex program. This gives students the opportunity to acquire 3, 4 or 5 credits for 10, 20 or 30 level PE. Students in PE 20 or 30 Flex will have a spare when they are not signed up for a PE module. All fieldtrips are pay as you go and require forms and payment to ensure a spot on the trip.

<p>CALM 20 (Career & Life Management) (grade 10/11/12)</p> <p>3 credits</p>	<p>Prerequisite: None</p> <p>CALM is a senior high school component of the Comprehensive School Health Education Program in Alberta. The aim of CALM is to enable students to make well-informed, considered decisions and choices in all aspects of their lives and to develop behaviours and attitudes that contribute to the well-being and respect of self and others, now and in the future. CALM is the core course for health literacy. It emphasized knowledge, attitudes, behaviours, competencies and values, and provides students with opportunities to enhance their capacities in problem solving, critical thinking and reflection.</p>
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Second Languages

Course Name	Description
<p>French 10 - 3 Year (grade 10/11/12)</p> <p>5 credits</p>	<p>Prerequisite: None</p> <p>This course is for anyone that has missed the opportunity to take a French 9 year course and wish to learn a second language and explore Francophone cultures. French is the ideal for students wishing to travel, work in government to work internationally after school/ Students will engage in reading, speaking, writing and listening activities. By the end of French 10, student should be able to express themselves in basic situations about a variety of topics such as school, family, friends and hobbies. Based on numbers and success of the course French 20 (3yr) and 30 (3yr) may be offered in future years.</p>
<p>French 20 - 3 Year (grade 10/11/12)</p> <p>5 credits</p>	<p>Prerequisite: French 10 - 3 Year</p> <p>The French as a Second Language 3Y (Grade 10 to Grade 12) defines outcomes for students in their study of French over three courses: French 10-3Y, French 20-3Y and French 30-3Y. The overarching goal of this program of studies is that by the end of French 30-3Y, students can understand and express themselves in basic situations, provided the language they encounter is clear and based on familiar topics and structures, and can use the cultural and strategic knowledge they have gained to sustain their communication.</p> <p>Students will use their life and learning experiences related to specific contexts to understand a variety of messages in French and/or to express messages in French that have personal meaning. Students will also comprehend and express oral or written messages involving a variety of language functions related to various contexts and communicative purposes. Finally, students will use their knowledge of familiar French language structures, as well as cultural and intercultural knowledge and interpersonal skills, to understand and express messages effectively and in context.</p>
<p>French 10 9 - Year (grade 10/11/12)</p> <p>5 credits</p>	<p>Prerequisite: French 9 (9-year)</p> <p>In French 10, students will learn to express themselves in regards to their favourite activities, shopping, vacation and the Fine Arts in French-speaking countries. In depth projects will be done on the seven areas of fine art as well as the culture of Francophone countries around the world. Students will complete their first film study and work on a classic French Novel. Recurring activities will be</p>

	decided based on the interests of the class. Ters could include song activities, art projects, games and/or debates
French 20 - 9 Year (grade 10/11/12) 5 credits	Prerequisite: French 10 (9-year) In French 20, students will engage in various language activities with a focus on emotions, feelings, relationships, the outdoors and the workplace,. By the end of French 20 students should be able to express themselves proficiently both written and orally. there will be a film and classic novel study as well as weekly recurring activities based on the interests of the class, These could include song activities, mock-interviews, games and/or debates
French 30 - 9 Year (grade 10/11/12) 5 credits	Prerequisite: French 20 (9-year) This is the last course offered in the French 9-year program. By the end of the course, students will be able to freely express themselves in an impressive array of topic, situations and verbal tenses. The focus of French 30 is work,. travel, tourism, the role of the media and the environment. We will do an in depth novel and film study on French classics. ACtivities will be largely based on the needs and interests of the students, especially if it is required for future job positions or academic purposes
Francophone Culture and Language (Grade 9, 10, 11, 12) 8 credits (5 credits FSL 20 or FSL 30 plus 3 credits International Studies)	Recommendation: 5 years in French immersion Prerequisite: equivalent of FSL 5-9Y The course will be taught exclusively in French, every day for a term. The content of this course will change on a year to year basis to allow the course to be repeated for credit. This year, the course will focus on the study of French language, francophone culture and relevant current affairs internationally. Both written texts and oral communication will be key components of this course. *Students may register in French 10-9Y OR French Immersion, not both.
Spanish 10 - 3 Year (grade 10/11/12) 5 credits	Prerequisite: none This course is geared towards students in 10 who have never been exposed to Spanish. The primary emphasis of this program would be the development of oral and written skills while comparing and contrasting Hispanic culture with ours. It is an academically oriented course which will enable the students to learn to communicate using grammatical fundamentals and a wide range of vocabulary.
Spanish 10 - 6 Year (grade 10/11/12) 5 credits	Prerequisite: Spanish 9 (6-year) This course is part of the Spanish 6-year program. It is academically oriented with independent and group work encouraged and expected. Students will be challenged to develop their critical thinking skills and demonstrate their understanding through written and oral work.

<p>Spanish 20 - 3 Year (grade 10/11/12)</p> <p>5 credits</p>	<p>Prerequisite: Spanish 10- 3 years</p> <p>This intermediate course is the continuation of the Spanish 10 three year program. The goal of the Spanish 20 course is to provide opportunities to build on students' existing knowledge, to gain skills that allow them to further their ability to communicate in Spanish, to improve their understanding of the language and to explore different aspects of the Spanish culture. All the competences: reading, writing, speaking and listening comprehension are developed through interactive projects, presentations, and films studies.</p>
<p>Spanish 20 - 6 Year (grade 10/11/12)</p> <p>5 credits</p>	<p>Prerequisite: Spanish 10 (6-year)</p> <p>This course is part of the Spanish 6-year program. Students will explore the Spanish language and culture in different environments and through different mediums. They will manipulate the Spanish language, allowing them to communicate in a practical and effective manner.</p>
<p>Spanish 30 - 6 Year (grade 10/11/12)</p> <p>5 credits</p>	<p>Prerequisite: Spanish 20 (6-year)</p> <p>This is the final course in the Spanish 30 6-year program. This course is designed to consolidate and increase intermediate and advanced skills in comprehension, speaking, reading, and writing. Students will be able to participate in conversation on a range of topics. They will also develop the ability to orally narrate and describe past and future events with a series of interrelated sentences. Creative and analytical writing will be improved by expanding vocabulary and increasing the use of grammatical structures.</p>

Fine and Performing Arts

Course Name	Description
<p>Art 10</p> <p>5 credits</p>	<p>Prerequisite: None</p> <p>Introductory Studio Art: This is an introductory visual arts course that allows high school students to explore a variety of media areas and techniques. Students will acquire a basic understanding of art principles and elements. The focus of the course is to develop strong foundational skills in visual arts. They will be involved in sketchbook activities and projects that are designed to stimulate creativity, and will focus on technical drawing and design skills.</p>
<p>Art 20</p> <p>5 credits</p>	<p>Prerequisite: Art 10</p> <p>Instructional & Intermediate Studio Art: This course will help students to continue to develop and refine the skills and artistic foundation developed in Art 10. The students will develop these skills through in-depth studies and critical analysis that enables the artist to interpret and evaluate art. The students will continue to demonstrate and develop an advanced control of a range of visual artistic skills and techniques. The studio experience will focus on personal themes of expression, requiring appropriate selection of media by the artist and the application of artistic skills and knowledge.</p>

<p>Art 30</p> <p>5 credits</p>	<p>Prerequisite: Art 20</p> <p>This is an advanced studio class where artists are encouraged to hone their technical ability and demonstrate an advanced understanding of media and media techniques. Students at this level are expected to adopt a strong mentorship role in the studio and demonstrate professional studio behaviour. Artists will continue to develop their skills but may choose to focus on a specific media in which to specialize or master. Art critiques continue to play an important role in the development of artistic vocabulary and understanding. The exploration and development of conceptual artwork is encouraged by artists of this caliber. The studio experience will focus on students growing in an individual direction, artistic evolution, conceptual maturity in their work and advanced technical ability.</p>
<p>Studio Art 35 AP</p> <p>5 credits</p>	<p>Prerequisite: Art 30</p> <p>It is recommended that to be successful in this course you should have earned a minimum of 90% in Art 30</p> <p>Advanced Placement Studio Art is for students who are serious and focused on developing confidence, their artistic ability and a strong portfolio. This course is designed to allow art students the opportunity to work in a studio setting and push themselves both technically and conceptually. The course requirements have been established by the College Board and students who enroll in the course will be expected to submit a portfolio of their work for review. This portfolio includes 24 individual works that are evaluate by a jury of artists and art instructors. This course requires an advanced level of ability, strong intrinsic motivation, a mature approach to visual arts and the willingness to put in a great amount of effort. It is challenging and can be exceptionally rewarding.</p>
<p>Advanced Acting 15/25/35 (grade 10/11/12)</p> <p>5 credits</p>	<p>Prerequisite: Advanced Acting 15: None. Drama 9 recommended Advanced Acting 25: Advanced Acting 15 Advanced Acting 35: Advanced Acting 25</p> <p>Students who have requested Advanced Acting are asked to memorize and prepare a 1-2 minute contemporary monologue, to be performed before entrance to the class. A time for monologue performance and meeting with the teacher will be set for June. Advanced Acting is designed for those students who wish to further develop skills in theatre with the objectives and intentions being demonstrated through public performance. Students will explore voice, movement, script analysis, character, playwriting and work as a collective ensemble. Students enrolled in Advanced Acting will learn to work as a theatre company and will make up the cast for Westmount Drama Society's main stage production. While some of the objectives of Advanced Acting are similar to those of Drama 10, 20 and 30, it must be understood that the context and learning strategy will differ greatly.</p>
<p>Drama 10 (grade 10)</p> <p>5 credits</p>	<p>Prerequisite: None. Drama 9 is recommended</p> <p>Character, Movement and Motivation: Drama 10 investigates the physical and emotional make-up of character. Modules include a further exploration and development of scene study, character creation, physical theatre, improvisation, and intensive mask workshops. Students will explore physical communication through neutral mask and the Laban Technique. They will also create and develop their own unique character masks and participate in activities designed to assist character development through a process of discoveries and stimulus. Students of Drama 10 can look forward to developing a heightened personal awareness while</p>

	building on dramatic skills that will take them to the next performing arts level.
Drama 20 (grade 10/11) 5 credits	Prerequisite: Drama 10 Theatre Styles and Performance: Drama 20 places a high regard on theatre professionalism and ensemble work through inspired learning modules including an exploration into theatre styles, advanced scene study and character development. Students will also participate in an intensive improvisation workshop, have an introduction to technical theatre and attend at least one professional production. Each student will also prepare a contemporary monologue that will be used for casting the students as performers in the Drama 30 directing projects.
Drama 30 (grade 12) 5 credits	Prerequisite: Drama 20 Drama 30 aims to incorporate all dramatic discoveries learned to date while preparing the student for an ultimate directing project. Students will select, plan, organize, cast and direct a professional one-act play to be performed for an invited audience. Extra evening and weekend hours may be required to prepare for this event. Additional concepts explored in Drama 30 include theatre styles, The Rhythm Project, technical theatre workshop, professional theatre audition for a panel of Calgary's finest theatre artists. They will also attend live professional theatrical productions to help inspire their directorial vision.
Technical Theatre 15/25/35 (grade 10/11/12) 3 credits	Prerequisite: Technical Theatre 15: None Technical Theatre 25: Technical Theatre 15 Technical Theatre 35: Technical Theatre 25 This course is a practical application of such disciplines as costume, make-up, lighting, stage management, properties, set, and sound. While any one component may be a focus, students in Technical Theatre 15/25 are expected to have a good general working knowledge of all the components. Students are expected to be involved in the school production to further apply their knowledge and enhance their understanding.
Instrumental Music (Band & Strings) (Grade 10/11/12) 5 credits each Full Year Course	Prerequisite: Instrumental Music Grade 9 or by Audition Instrumental Music 10 develops the young musician's ear, theory skills, understanding of music history through a focus on performance. Students participate in a large ensemble, small group and/or private instruction with performance tours and recording sessions. Instrumental Music 20 develops the intermediate musician's ear, theory skills, and focuses on higher level of performance. Students participate in large ensemble, small group and/or private instruction with performance tours and recording sessions. Instrumental Music 30 – Continues to develop theory, technical, aural and performance based skills and musicianship. Students participate in large ensemble, small group and/or private instruction with performance tours and recording sessions.

	These courses are scheduled both outside of the timetable.
Instrumental Jazz (Grade 10/11/12) 5 credits each Full Year Course	Recommended Co-requisite: Instrumental Music 10/20/30 or by Audition Instrumental Jazz 15 focuses on basic jazz techniques and styles of the jazz idiom including blues, swing and Latin genres. Students participate in both Big Band and combo performance. Instrumental Jazz 25 students learn intermediate technique in performance and improvisation in swing, rock, bebop, funk, Latin and blue styles. Students participate in Big Band and Combo opportunities. Instrumental Jazz 35 – Focus on improvisation in large group and combo formats, development of jazz theory, history and aural skills and understanding. These courses will be scheduled on Wednesday morning from 7:05 am until 8:30 am once per week during lunch.

Career and Technology Studies (CTS)

Course Name	Description
Communication Technology 1 3 to 5 credits	Prerequisite: None This is an introductory course that offers students the opportunity to explore digital photography/imaging, audio/video production, animation and digital design. Students entering the course will explore media through an introductory module Media & You (COM1020) wherein they are provided with a hands-on introduction to the various segments of communication studies. The course will be supplemented by guest speakers and instructors during specific modules. Students will acquire a basic understanding of digital media and become competent with several high profile software applications. These skills will allow students the opportunity to create work that incorporates an integrated 3D rendering, digital animation of figures and environments, digital photo manipulation and retouching, multimedia design and digital presentations.
Communication Technology 2 3 to 5 credits	Prerequisite: Communication Technology 1 In this intermediate course, students will focus on the knowledge, skills and attitudes that would apply in many sectors of the communications industry. Students will expand on their study of photography, printing techniques and applications, audio/video production techniques and will use the computer as a significant production tool.
Communication Technology 3 3 to 5 credits	Prerequisite: Communication Technology 2 In this advanced level course, students will focus on the knowledge, skills and attitudes previously learned that would apply in many sectors of the communications industry. Students will continue to expand their study of

	<p>photography, printing techniques and applications, audio/video production techniques and will use the computer as a significant production tool.</p>
<p>Computer Programming 1/2 (grade 10/11/12)</p> <p>3 to 5 credits</p>	<p>Prerequisite: Computer Programming 1: None Computer Programming 2: Computer Programming 1</p> <p>This course is open to any student wishing to learn about computer programming. Students are required to have personal laptops on which they can code. They are required to progress through the codeacademy.com in a language of their choosing. If the student has no previous programming experience they are encouraged to explore the Python programming language. Once the tutorials are completed the student is encouraged to attempt an individual design project or select another language to learn and explore. Students who select to do a design project are lead through industry standard Waterfall practices of documentation, planning, and progression with the instructor.</p>
<p>Outdoor Education 15 & 25 (grade 10/11/12)</p> <p>3 credits each</p>	<p>Prerequisite: Outdoor Education 15: None Outdoor Education 25: Outdoor Education 15</p> <p>Outdoor Education 15 & 25 is designed to introduce students to the wide variety of human powered outdoor recreational activities on land, snow and water that our geographical location has to offer. Term 1 students will have full day stand up paddleboarding and cross-country skiing field trips as well as a multitude of in class activities like bouldering, biking, backcountry cooking to name a few and the course will culminate with a 3 day ski touring trip into the Elk Lakes Alpine Club hut from Peter Lougheed. Term 2 students will experience full day cross country skiing, canoeing on the Bow River in town and from below the Ghost dam to Cochrane and culminate with a 3 day backpacking canoe/hiking trip to Kananaskis Country. As this is an experiential class based around developing the skills necessary to safely and responsibly travel in the backcountry these field trips are expectations of the course. Students in Outdoor Education 15 & 25 will be given 3 credits at the 15 level and they next time they take the course they will be given 3 credits at the 25 level. Since the course is always a mix of 15 and 25 level students, it is requested that they take the 25 level in the opposite term they took the 15 level so as not to repeat experiences.</p>
<p>Outdoor Education 35 (grade 11/12)</p> <p>3 credits</p>	<p>Prerequisite: Outdoor Education 25</p> <p>Students who have successfully completed both Outdoor Ed 15 & 25 on the recommendation of the teacher, have the opportunity to receive credit for attending field trips and camps with younger grades as a student leader. They would be expected to have the skill set and leadership ability to guide younger students with equipment, cooking, activities, group dynamics etc. They have the option to apply to the trips of their choosing. This is not a scheduled class.</p>
<p>Sports Medicine (grades 10/11/12)</p> <p>3 credits</p>	<p>Prerequisite: None</p> <p>This Sport Medicine course will be taught in Modules as presented by Alberta Education (2011). This course is designed to help students understand and utilize the scientific method of learning while examining concepts related to sports medicine and injury. For each module, special assignments related to sport</p>

	medicine and exercise physiology will be performed.
Remote Responder I (grade 10/11/12) 3 credits	Prerequisite: None Wilderness first responder is a grade 10 course which combines the CTS courses of First Aid/CPR & AED, First Responder 1, & Health Services Foundations. We also include content that customizes the course by adding data related treatment in remote settings. Upon successful completion of course objectives, and maintaining a B+ average, students will receive three high school credits and possibly a remote rescuer certificate.
HEROES (grade 12) 3 Credits Takes place first semester.	Prerequisite: None The original HEROES® program is broken down into fourteen one hour sessions, closely following the outcomes detailed in the grade seven Alberta Health and Life Skills curriculum. Westmount Students take up the program differently in this 3 credit CTS course open to grade twelve students only. The course runs in the first semester of the school year which allows time for the grade twelve students to organize and plan lessons around strength based learning. Lessons are planned with the support of outside guest speakers, past Westmount grads and lots of trial and error fun. In the second semester during SOURCE, the grade 12 students share/facilitate these lessons with the grade 7 SOURCE classes. Each Friday for six weeks, groups of four or five grade twelve students head into grade seven classrooms and work through the lessons/games which they had created in the CTS class. Students learn some things about leadership, communication and themselves.

Supplementary Options

Creative Writing and Publishing 15/25/35 (grade 10/11/12) 3 credits each	Prerequisite: Creative Writing and Publishing 15: None Creative Writing and Publishing 25: Creative Writing and Publishing 15 Creative Writing and Publishing 35: Creative Writing and Publishing 25 Creative Writing and Publishing 15/25 is a six-credit course that explores the fundamentals of creative writing and the publication industry. In this course, students will follow their writing interests and passions, writing in a variety of specific creative writing genres. Students will build and manage their own portfolios, from short story, non-fiction article and essay, script, non-traditional, speech writing, monologue, and poetry.
Forensic Science 25 (grade 10/11/12) 3 credits	Prerequisite: Science 10 This course is designed to explore basic scientific concepts in relation to solving crimes. When studying these scenarios, students will be required to apply their knowledge of forensic techniques including (but not limited to): fingerprint analysis, blood spatter patterns and blood typing, hair and fiber examination, chromatography and handwriting investigation, as well as DNA analysis. Students enrolled in this course must be mature enough to handle the sensitive content of this course which includes violent acts, serial killer profiles, alcohol and substance abuse. Students must be able to discuss forensic criminal cases in an objective manner, while being sensitive and respectful toward the negative impact that a crime can have upon victim(s).

<p>Forensic Science 35 (grade 11/12)</p> <p>3 credits</p>	<p>Prerequisite: Forensic Science 25</p> <p>Recommendation: Completion of Biology 20 is strongly recommended</p> <p>Students will be required to look critically at the methods learned in Forensic Science 25, and will gain insight into the technologies that are being developed to improve the practice of forensic science. They will also delve deeper into more specific roles of forensic scientists including (but not limited to): forensic anthropologists, entomologists, pathologists and odontologists.</p>
<p>Economics AP 35 (grade 11/12)</p> <p>6 credits</p>	<p>Prerequisite: None</p> <p>Students will have an opportunity to understand the way their own financial behaviors and choices work. Ultimately, this has to do with understanding microeconomics, the branch of economics that has to do with individual and small company behaviors within the overall economy.</p> <p>This course begins with an introduction to supply and demand and the basic forces that determine an equilibrium in a market economy. Next, it introduces a framework for learning about consumer behavior and analyzing consumer decisions. We then turn our attention to firms and their decisions about optimal production, and the impact of different market structures on firms' behavior.</p> <p>Many outcomes from this course will be covered using DECA case study as a means to integrate ideas around marketing and finance developing important skills such as: critical thinking, communication, collaboration and creativity.</p> <p>After completing this course, students should have developed a range of skills enabling them to understand economic concepts and use those concepts to analyze specific questions.</p>
<p>Ethics in Science and Technology 35 (grade 10/11/12)</p> <p>3 Credits</p>	<p>Prerequisite: None (must be in grade 10 or above)</p> <p>Ethics in Science and Technology is a case-based course designed to introduce students to the fundamental moral dilemmas surrounding medicine, health, and emerging technology. Successful completion of this course will earn credit in three CTS modules: Advances in Medical Technology, Biotechnology, and Controversy and Change. Coursework will require discussion and critical analysis of controversial legal and ethical issues, persuasive reasoning, and scientific writing. This course should be of interest to students enrolled in any AP science course, those considering a career path in medicine, research, or biomedical engineering, and anyone interested in the complexity of philosophy and ethics.</p>
<p>Local & Canadian Geography 20</p> <p>World Geography 30 (grade 10/11/12)</p> <p>6 credits</p>	<p>Prerequisite: None</p> <p>Do you feel like you don't know enough about the world in which you live? Do you feel dependent on your phone GPS? Are you ever nervous that Jimmy Kimmel will stop you on the street to ask you to identify Kazakhstan on a map? All of these things can be remedied by taking Geography 20/30. The perfect supplemental class for humanities, this course will look at the basics of the use and interpretation of maps as well as human interactions with the physical aspects of the earth. Students will explore their world locally, nationally and globally using various sources of map-based information. Specifically, units will include culture, politics, agriculture, industry, urban development, population and economics. Students will be able to follow areas of interest within these topics looking at the many ways in which people interact with the planet and its resources. Don't get caught unaware or continue to wish you knew more about your world.</p>

<p>Geography 35 AP-Human Geography (grade 10/11/12)</p> <p>6 credits</p>	<p>Prerequisite: None</p> <p>Take all of the benefits of Geography 20/30 (see description above) and add the privilege of writing the AP Human Geography exam in May. Students will explore population and migration, culture, politics, agriculture, industry, economics and urbanization. Students will also be given the skills to interpret and apply maps to their research skills, understanding the various ways that information can be represented visually.</p>
<p>European History 35 (grade 12)</p> <p>3 credits</p>	<p>Recommended: None</p> <p>European History (c. 1450 CE- c. 2000 CE) is a course that begins in the early modern period with such topics as: the Renaissance & Reformation; Absolute Monarchy; the Enlightenment; Political Revolution; Industrial Revolution; World Wars I & II; the Cold War & the establishment of the European Union. A wide variety of written texts in addition to visual art, music, and drama will be examined. Students will also explore the development of European society and its interrelation with the rest of the world over time in terms of culture, ideas, conflict and cooperation.</p>
<p>Human Condition 15 (grade 10/11/12)</p> <p>5 credits</p>	<p>Prerequisite: None</p> <p>Human Condition 15 offers students the opportunity to explore Human Rights in Historical and Contemporary settings in Theory and in Practice. A case study of the Holocaust is a cornerstone in this course which is open to mature and empathetic gifted students. The possibility to visit the US Holocaust Memorial Museum in Washington D.C. along with other educational sites in the US Capital may be offered to some students as an optional addition to the course.</p>
<p>Comparative Government 20</p> <p>3 credits</p>	<p>Prerequisite: None</p> <p>This course introduces students to the rich diversity of political life outside Canada. The course uses a comparative approach to examine the political structures, policies, and political, economic, and social challenges among selected countries. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues.</p> <p>Students will have the option to incorporate the first half of the AP Comparative Government and Politics course into their learning—giving students the option to write the AP Comparative Government and Politics exam for university credit in May 2019.</p>
<p>International Politics 30</p> <p>3 credits</p>	<p>Prerequisite: Comparative Government 25</p> <p>Students will broaden their knowledge and understanding of the comparative approach to political science. In this course, students will continue to examine the political structures, policies, and political, economic, and social challenges among selected countries. Additionally, students will enhance examination of how different governments solve similar problems by comparing the effectiveness of approaches to many global issues.</p> <p>Students will have the option to incorporate the second half of the AP Comparative Government and Politics course into their learning—giving students the options to write the AP Comparative Government and Politics exam for university credit in May, 2019.</p>

<p>Learning Strategies 15/25/35 (grade 10/11/12)</p> <p>3 to 6 credits</p>	<p>Prerequisite: None</p> <p>Learning Strategies is a course designed to support high school students as they manage their learning in other courses. The nature of the course is practical as students will focus on five areas of active engagement: understanding self and others as learners; organization and management of time and resources; understanding the learning process; self-advocacy and relational management in a school setting; responding to assessment and evaluation. The course will meet students at the level of skills and understanding that they currently possess and foster individual growth to support learning in their overall school experience.</p>
<p>Military Studies 15 (grade 10-12)</p> <p>3 credits</p>	<p>Prerequisite: None</p> <p>Military Studies 15 will offer an examination of World War II from multiple perspectives, including historical and contemporary contexts. Students will inquire into the social, political, environmental and economic forces that shaped the conflict and influenced the modern condition. In this course, students will interpret personal and collective stories in relation to secondary and primary sources related to WWII in order to understand how history conserves or distorts memories. Students will critically analyze the conflict in relation to strategy and technology while examining the implications of war upon a nation, country and the world.</p>
<p>Statistics 35 AP (grade 10/11/12)</p> <p>5 credits</p>	<p>Completion/Enrolled in Mathematics 20-1</p> <p>Students should have a strong grasp of mathematical process and possess a sufficient mathematical maturity. Curriculum for this course will provide students with a non-calculus based introduction to statistics. It follows curriculum set by the AP College Board and is designed to follow these conceptual themes: collecting, analyzing and drawing conclusions from data. Additionally, it will help teach students to communicate statistical results and interpretations. The topics covered and the difficulty of the course follows the College Board Standards for advanced placement (see http://apcentral.collegeboard.com).</p>
<p>Personal Psychology 20 (grade 10/11/12)</p> <p>3 credits</p>	<p>Prerequisite: None</p> <p>Personal Psychology 20 provides students with a practical foundation in the study of psychology., this course focuses on the following 7 thematic units of study: Introduction to Psychology, Personality, Behaviour, Intelligence, Heredity and Environment, Biological Influences on Behaviour, and Understanding Perception. Group discussion, class participation projects and presentations are essential components of this class.</p>
<p>Experimental Psychology 30 (grade 11/12)</p> <p>3 credits</p>	<p>Prerequisite: Personal Psychology 20</p> <p>Personal Psychology 30 is a three-credit option designed to help students develop the skills and understandings that make it possible for more effective living in our complex environment. This course focuses on the following four thematic units of study: Experimental Psychology, Statistics, Research Methods, and Research projects. Group discussion, class participation, projects and presentations are essential components of this class.</p>

<p>Ukulele and Guitar 15 (grade 10/11/12)</p> <p>3 credits</p>	<p>Prerequisite: None</p> <p>Ukulele/Guitar 15 will introduce students to the basics of playing. The course will cover parts of the instrument, tuning, changing strings, open chords, major/minor scales, finger picking, flat picking, jamming, composing, song structure, music history/appreciation, singing and playing together, reading tablature, Garage Band and bar chords.</p>
<p>Shakespeare and the Invention of the Human (grade 10-12)</p> <p>3 credits</p>	<p>Prerequisite: None</p> <p>Students in this course will explore several of Shakespeare's lesser known plays and the ways in which the Bard of Avon incorporates philosophy and psychology in his works. Students will examine some critical theories around the nature of humanity and how Shakespeare's works have influenced our lives through the human element of his characters and plays. Possible plays to be studied include Measure for Measure, Henry V, Othello, and The Tempest, along with other plays and sonnets.</p>
<p>Yoga and Mindfulness 15 (grade 10-12)</p> <p>3 credits</p>	<p>Prerequisite: None</p> <p>This course will introduce students to the basics of yoga and mindfulness. Students will work with yoga postures (asanas), breathing techniques (pranayama) and relaxation methods of meditation. Students will learn the historical roots of yoga and have an understanding of basic anatomy and physiology as it applies to the discipline. The program is designed to allow students to experience the benefits of increased flexibility, strength, focus and concentration. Through continued practice students will relieve stress and experience health benefits. Additionally, this course will offer an introduction to mindfulness strategies including meditation and the science behind mindfulness. Included in this section will be topics such as: the mind working with thoughts (past, present and future), understanding the science of basic human neurobiology and our motivational systems, how to deal with challenging emotions such as fear, worry and anxiety and other related topics.</p>
<p>Yoga and Mindfulness 25 (grade 10-12)</p> <p>3 credits</p>	<p>Prerequisite: None</p> <p>This course is a continuation of yoga and mindfulness 15. Students will use basic and intermediate postures (asanas), breathing techniques (pranayama) and relaxation methods of meditation. Students will expand on the historical roots of yoga and continue to apply basic anatomy and physiology as it applies to the discipline. Students are expected to show an increased sophistication and refinement of skills in demonstrating their understanding of the sympathetic and parasympathetic nervous system, thus being able to relieve stress. A more detailed investigation of the science behind mindfulness will be explored. Included in this section will be topics such as: placebos, illness and the power of belief, interrupting addiction and troublesome habits and other related topics.</p>
<p>Yoga and Mindfulness 35 (grade 10-12)</p> <p>3 credits</p>	<p>Prerequisite: None</p> <p>This course is a continuation of yoga and mindfulness 15/25. Students will use basic and more advanced postures (asanas), breathing techniques (pranayama) and relaxation methods of meditation. Students will expand on the historical roots of yoga and continue to apply basic anatomy and physiology as it applies to the discipline. Students are expected to show an increased sophistication and refinement of skills in demonstrating their understanding of the sympathetic and parasympathetic nervous system, thus being able to relieve stress. Additionally, this</p>

	<p>course will offer more advanced mindfulness strategies including meditation and the science behind mindfulness. Included in this section will be topics such as: the neurobiology of self-preoccupation, overcoming traumas large and small and other related topics.</p>
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