

WALTER MURRAY COLLEGIATE

COURSE SELECTION BOOKLET

wmcc

2024-2025

Walter Murray Collegiate acknowledges that the land on which we gather is Treaty 6 territory and the traditional territory of the Cree and Dakota people and the homeland of the Métis Nation.

Building a Marauder Future

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Diversity

Walter Murray welcomes all types of learners. Students with special needs and those who require enrichment, modification, second language support, or hands on opportunities will find courses and extra-curricular offerings suited to their interests and abilities. Walter Murray students represent many different nationalities and come from all areas of Saskatoon.

Opportunity

Our programming is as diverse as our population. Walter Murray offers a full range of secondary academic classes, French Immersion, SAGE Program, English as an Additional Language, Resource Support, and numerous Practical and Applied Arts courses. Students can take advantage of specialized offerings such as Dance, Music, Drama, Commercial Cooking, Graphic Arts, Welding, Mechanics, Photography, Machining, Electronics, Construction and Carpentry, and much more.

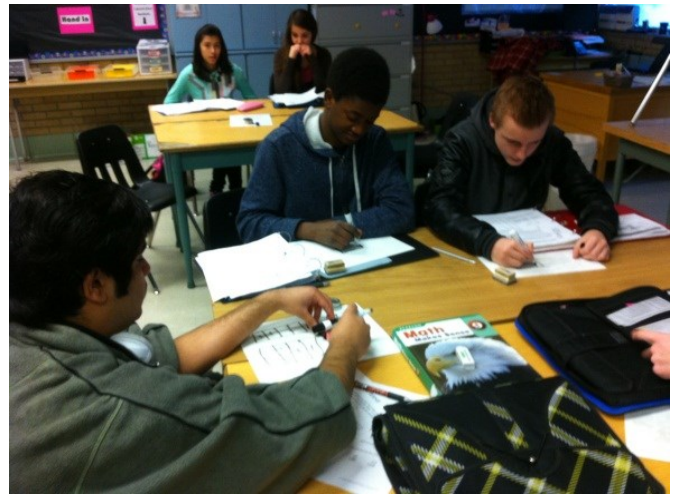


Community

The staff and students of Walter Murray Collegiate are committed to a school environment that promotes a sense of safety, belonging, and equality where mutual respect and the pursuit of learning are important components of our school community. We work to maintain a safe and inclusive atmosphere and positive relations with our neighbors. Student Services counsellors and our RAP (Restorative Action Program) worker support students in healthy decision-making and conflict resolution.

Grade 9 Program

Grade 9 is the middle ground between elementary school and high school. All grade 9 courses at Walter Murray Collegiate build on the grade 8 curriculum and prepare students for studies in grades 10, 11, and 12. Teachers work to deliver programming reflective of all student needs and differentiated instruction helps teachers assist all learners within a diverse classroom. Modified programming becomes an option in grade 10. We have EAL support teachers and resource teachers that provide opportunities for more one-on-one support and small group learning.



Grade 9 Programming	French Immersion 9	SAGE Program 9 Application Required
English Language Arts A English Language Arts B Social Studies Math Science Arts Education Practical and Applied Arts Physical Education, Health, and Career Ed Students choose one elective	Français A Français B Sciences humaines Mathématiques Practical and Applied Arts Sciences English Language Arts Éducation artistique* Physical Education, Health, and Career Students choose one elective <i>*Éducation artistique is integrated with Français A and Français B</i>	<u>SAGE Courses Include:</u> English Language Arts A and B Math Science Social Studies <u>Regular courses:</u> Practical and Applied Arts Arts Education Physical Education, Health, and Career Students choose two electives
Electives: <ul style="list-style-type: none"> ●Band ●Choral ●EAL Support ●Foods ●Resource ●Technology Survey 		

LEVELS OF INSTRUCTION

REGULAR LEVEL courses are designed for students whose achievement and rate of learning in the subject are average. Instruction includes sufficient repetition to ensure mastery. Differentiation and accommodations occur in all regular classrooms to meet the needs of the learners.

MODIFIED LEVEL courses are offered for grade 10—12 students whose diverse learning needs may not be best met in a regular class setting. This includes students who may require teaching and learning adaptations as well as course modifications. Students may take modified courses if they are designated for the program based on consultation between the student, parent/guardian, and school. Modified courses offered for grade 10—12 students include:

English, Mathematics, Science, History, and Indigenous Studies. Modified classes are indicated by class codes ending with 11, 21, and 31.

ASSIGNING/CHOOSING LEVELS

Current students may request a level change after consultation with teachers and appropriate discussion with parents. Parents must sign the level change form. When there are differences between a student's request and the department's recommendation, consultations will be arranged between the department, the student, and/or parents/guardians.



All SAGE Program courses are locally modified and Provincial Curricula are in the process of renewal. SAGE Program is designed to meet the special needs of gifted learners.

The students from the SAGE Program will be congregated together for these classes, and there will be many opportunities for enrichment, but they will not receive a designation from the Ministry of Learning for an advanced credit in that particular course.

It is not possible to be registered in the SAGE Program and French Immersion at the same time; nor is it possible to take some SAGE Program classes and not others during an academic year.

Grade Ten:

English Language Arts A and B 10 Advanced, History 10 Advanced, Math Foundation and Pre-calculus 10 Advanced, and Science 10 Advanced. The focus for these courses will be to incorporate a variety of learning strategies such as: problem solving, laboratory work, and

presentations. Grade ten English will incorporate a creative writing unit. Student research and interviews with local experts are followed by a presentation to the class.

Grade Eleven:

English Language Arts A 20 Advanced, History 20 Advanced, Health Science 20 Advanced, and Inquiry 20 Adv. The 20 level will offer a choice of math pathways depending on student priority and preference—MAF20 and/or MPC20. The Inquiry 20 course is a semester-long research project focusing on a self-selected topic that is of relevance and interest to the student. Students will collaborate with teachers to design, guide, and grade their projects.

Grade Twelve:

English Language Arts A and B 30 Advanced, History 30 Advanced, Biology 30 Advanced, and a minimum of four electives. The Canadian Literature component of English Language Arts A 30 Advanced parallels the Canadian History component of History 30 Advanced where unit themes coincide.

Alternate Education

Alternate Education provides students with learning opportunities to develop skills to function independently at school, at home and in the community. Each student has an IIP to address their individualized learning goals and needs. The Alternate Education program focuses on functional academic, life and work readiness skills.

Students take academic courses to earn alternate education credits at the 18, 28 and 38 levels. Elective courses are offered when appropriate to the interest and ability of the student. Life Skills and Career and Work Exploration courses are recommended electives.

RESOURCE SUPPORT Resource is a non-credit class that is designed to provide support to students in grades 9 to 12 to be successful in their core academic classes required for graduation. Students receive individual or small group assistance with homework completion, organizational strategies, exam writing, and study skills. Curriculum concepts may be retaught as required. The resource room teachers work with classroom teachers to adapt curriculum, and evaluation in order to meet the needs of the individual student.

Integrated Programs

Walter Murray is home to the Outdoor School program for grade 11. Students earn 5 regular high school credits, while studying in and around Saskatchewan. From the Boreal Forest in the North to the Grasslands in the South, the province becomes our classroom. If the outdoors aren't for you, try HCAP at Mount Royal or Media School at Evan Hardy. For more information, consult the Unique Program guide available in Student Services or online.



SASKATOON PUBLIC SCHOOLS

Core Requirement Graduation Plan (French Immersion)

Grade 10 in 2024-2025

Grade 10	Grade 11	Grade 12
<input type="checkbox"/> Fondements de mathématiques et pré-calcul 10F <input type="checkbox"/> Fondements de mathématiques 20 <input type="checkbox"/> Français 10 <input type="checkbox"/> Histoire10 <input type="checkbox"/> Sciences 10 <input type="checkbox"/> Wellness10 At least one of: <input type="checkbox"/> English A10 <input type="checkbox"/> English B 10	<input type="checkbox"/> English 20 <input type="checkbox"/> Français 20F <input type="checkbox"/> Français intégré A20F <input type="checkbox"/> Fondements de mathématiques 30F <input type="checkbox"/> Histoire 20 <input type="checkbox"/> Financial Literacy 10 Choose one science: <input type="checkbox"/> Computer Science 20 <input type="checkbox"/> Environmental Science 20 <input type="checkbox"/> Health Science 20 <input type="checkbox"/> Physical Science	<input type="checkbox"/> Français 30F <input type="checkbox"/> Français intégré B20F <input type="checkbox"/> Études canadiennes 30F <input type="checkbox"/> English 30
At least two from either or one of: <input type="checkbox"/> Arts* and/or <input type="checkbox"/> Practical & Applied Arts**		
Electives: <input type="checkbox"/> 1. _____ <input type="checkbox"/> 2. _____ <input type="checkbox"/> 3. _____	Electives: <input type="checkbox"/> 1. _____ <input type="checkbox"/> 2. _____ <input type="checkbox"/> 3. _____	Electives: <input type="checkbox"/> 1. _____ <input type="checkbox"/> 2. _____ <input type="checkbox"/> 3. _____ <input type="checkbox"/> 4. _____ <input type="checkbox"/> 5. _____ <input type="checkbox"/> 6. _____

Total of 12 credits (grades 10, 11, 12) must be in French to receive bilingual status with Saskatchewan Learning.

TOTAL CLASSES:

- Grade 10 + Grade 11 + Grade 12 = a minimum of 24
- Successfully complete at least five subjects numbered 30
- Please see counsellor to discuss any post-secondary requirements.

* **Arts Electives:** Arts education, band, choral, dance, drama, guitar, instrumental jazz, music, studio art, visual art, vocal jazz

** **Practical & Applied Arts Electives:** Accounting, apprenticeship, autobody, career and work exploration, clothing, textiles and fashion, commercial cooking, communication media, construction and carpentry, design studies, drafting, electronics, entrepreneurship, financial literacy, food studies, graphic arts, hairstyling and esthetics, housing, information processing, interior design, life transitions, mechanical and automotive, photography, practical and applied arts survey, robotics and automation, theatre arts, welding



SASKATOON PUBLIC SCHOOLS

Core Requirement Graduation Plan (French Immersion)

Grades 11 and 12 in 2024-2025

Grade 10	Grade 11	Grade 12
<input type="checkbox"/> English B10 <input type="checkbox"/> Fondements de mathématiques et pré-calcul 10F <input type="checkbox"/> Fondements de mathématiques 20 <input type="checkbox"/> Français 10 <input type="checkbox"/> Histoire 10 <input type="checkbox"/> Sciences 10 <input type="checkbox"/> Wellness10	<input type="checkbox"/> English 20 <input type="checkbox"/> Français 20F <input type="checkbox"/> Français intégré A20F <input type="checkbox"/> Fondements de mathématiques 30F <input type="checkbox"/> Histoire 20 Choose one science: <input type="checkbox"/> Computer Science 20 <input type="checkbox"/> Environmental Science 20 <input type="checkbox"/> Health Science 20 <input type="checkbox"/> Physical Science	<input type="checkbox"/> Français 30F <input type="checkbox"/> Français intégré B20F <input type="checkbox"/> Sciences sociales 30F <input type="checkbox"/> English B30
At least two from either or one of: <input type="checkbox"/> Arts* and/or <input type="checkbox"/> Practical & Applied Arts**		
Electives: <input type="checkbox"/> 1. _____ <input type="checkbox"/> 2. _____ <input type="checkbox"/> 3. _____	Electives: <input type="checkbox"/> 1. _____ <input type="checkbox"/> 2. _____ <input type="checkbox"/> 3. _____ <input type="checkbox"/> 4. _____	Electives: <input type="checkbox"/> 1. _____ <input type="checkbox"/> 2. _____ <input type="checkbox"/> 3. _____ <input type="checkbox"/> 4. _____ <input type="checkbox"/> 5. _____ <input type="checkbox"/> 6. _____

Total of 12 credits (grades 10, 11, 12) must be in French to receive bilingual status with Saskatchewan Learning.

TOTAL CLASSES:

- Grade 10 + Grade 11 + Grade 12 = a minimum of 24
- Successfully complete at least five subjects numbered 30
- Minimum nine electives, at least six in grades 11 and 12
- Please see counsellor to discuss any post-secondary requirements.

* **Arts Electives:** Arts education, band, choral, dance, drama, guitar, instrumental jazz, music, studio art, visual art, vocal jazz

** **Practical & Applied Arts Electives:** Accounting, apprenticeship, autobody, career and work exploration, clothing, textiles and fashion, commercial cooking, communication media, construction and carpentry, design studies, drafting, electronics, entrepreneurship, financial literacy, food studies, graphic arts, hairstyling and esthetics, housing, information processing, interior design, life transitions, mechanical and automotive, photography, practical and applied arts survey, robotics and automation, theatre arts, welding



SASKATOON PUBLIC SCHOOLS

Core Requirement Graduation Plan

Grade 10 in 2024-2025

Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"><input type="checkbox"/> Science 10<input type="checkbox"/> Wellness 10<input type="checkbox"/> Financial Literacy 10 (can be deferred to grade 11) <p>At least one of:</p> <ul style="list-style-type: none"><input type="checkbox"/> English A10<input type="checkbox"/> English B10 <p>At least one of:</p> <ul style="list-style-type: none"><input type="checkbox"/> History 10<input type="checkbox"/> Indigenous Studies 10 <p>At least one of:</p> <ul style="list-style-type: none"><input type="checkbox"/> Foundations Pre-Cal 10<input type="checkbox"/> Apprenticeship Math 10	<ul style="list-style-type: none"><input type="checkbox"/> English 20 <p>At least one of:</p> <ul style="list-style-type: none"><input type="checkbox"/> Health Science 20<input type="checkbox"/> Physical Science 20<input type="checkbox"/> Computer Science 20<input type="checkbox"/> Environmental Science 20 <p>At least one of:</p> <ul style="list-style-type: none"><input type="checkbox"/> Math Foundations 20<input type="checkbox"/> Math Pre-Calculus 20<input type="checkbox"/> Apprenticeship Math 20	<ul style="list-style-type: none"><input type="checkbox"/> English 30<input type="checkbox"/> Canadian Studies 30
<p>Electives:</p> <ul style="list-style-type: none"><input type="checkbox"/> 1. _____<input type="checkbox"/> 2. _____<input type="checkbox"/> 3. _____<input type="checkbox"/> 4. _____	<p>Electives:</p> <ul style="list-style-type: none"><input type="checkbox"/> 1. _____<input type="checkbox"/> 2. _____<input type="checkbox"/> 3. _____<input type="checkbox"/> 4. _____<input type="checkbox"/> 5. _____<input type="checkbox"/> 6. _____<input type="checkbox"/> 7. _____	<p>Electives:</p> <ul style="list-style-type: none"><input type="checkbox"/> 1. _____<input type="checkbox"/> 2. _____<input type="checkbox"/> 3. _____<input type="checkbox"/> 4. _____<input type="checkbox"/> 5. _____<input type="checkbox"/> 6. _____<input type="checkbox"/> 7. _____

TOTAL CLASSES:

- Grade 10 + Grade 11 + Grade 12 = a minimum of 24
- Successfully complete at least five subjects numbered 30
- Please see counsellor to discuss any post-secondary requirements.

* **Arts Electives:** Arts education, band, choral, dance, drama, guitar, instrumental jazz, music, studio art, visual art, vocal jazz

** **Practical & Applied Arts Electives:** Accounting, apprenticeship, autobody, career and work exploration, clothing, textiles and fashion, commercial cooking, communication media, construction and carpentry, design studies, drafting, electronics, entrepreneurship, financial literacy, food studies, graphic arts, hairstyling and esthetics, housing, information processing, interior design, life transitions, mechanical and automotive, photography, practical and applied arts survey, robotics and automation, theatre arts, welding



SASKATOON PUBLIC SCHOOLS

Core Requirement Graduation Plan

Grades 11 and 12 in 2024-2025

Grade 10	Grade 11	Grade 12
<input type="checkbox"/> English A10 <input type="checkbox"/> English B10 <input type="checkbox"/> Science 10 <input type="checkbox"/> Wellness 10 At least one of: <input type="checkbox"/> History 10 <input type="checkbox"/> Indigenous Studies 10 At least one of: <input type="checkbox"/> Foundations Pre-Cal 10 <input type="checkbox"/> Apprenticeship Math 10	<input type="checkbox"/> English 20 At least one of: <input type="checkbox"/> Health Science 20 <input type="checkbox"/> Physical Science 20 <input type="checkbox"/> Computer Science 20 <input type="checkbox"/> Environmental Science 20 At least one of: <input type="checkbox"/> History 20 <input type="checkbox"/> Psychology 20 or 30 <input type="checkbox"/> Law 30 <input type="checkbox"/> Geography 20 or 30 At least one of: <input type="checkbox"/> Math Foundations 20 <input type="checkbox"/> Math Pre-Calculus 20 <input type="checkbox"/> Apprenticeship Math 20 At least two from either or one of: <input type="checkbox"/> Arts* and/or <input type="checkbox"/> Practical & Applied Arts**	<input type="checkbox"/> English A30 <input type="checkbox"/> English B30 At least one of: <input type="checkbox"/> History 30 <input type="checkbox"/> Indigenous Studies 30 <input type="checkbox"/> Indigenous Studies 20
Electives: <input type="checkbox"/> 1. _____ <input type="checkbox"/> 2. _____ <input type="checkbox"/> 3. _____ <input type="checkbox"/> 4. _____	Electives: <input type="checkbox"/> 1. _____ <input type="checkbox"/> 2. _____ <input type="checkbox"/> 3. _____ <input type="checkbox"/> 4. _____ <input type="checkbox"/> 5. _____ <input type="checkbox"/> 6. _____	Electives: <input type="checkbox"/> 1. _____ <input type="checkbox"/> 2. _____ <input type="checkbox"/> 3. _____ <input type="checkbox"/> 4. _____ <input type="checkbox"/> 5. _____ <input type="checkbox"/> 6. _____

TOTAL CLASSES:

- Grade 10 + Grade 11 + Grade 12 = a minimum of 24
- Successfully complete at least five subjects numbered 30
- Minimum nine electives, at least six in grades 11 and 12
- Please see counsellor to discuss any post-secondary requirements.

* **Arts Electives:** Arts education, band, choral, dance, drama, guitar, instrumental jazz, music, studio art, visual art, vocal jazz

** **Practical & Applied Arts Electives:** Accounting, apprenticeship, autobody, career and work exploration, clothing, textiles and fashion, commercial cooking, communication media, construction and carpentry, design studies, drafting, electronics, entrepreneurship, financial literacy, food studies, graphic arts, hairstyling and esthetics, housing, information processing, interior design, life transitions, mechanical and automotive, photography, practical and applied arts survey, robotics and automation, theatre arts, welding

Course Offerings by Department and Grade

	<u>GRADE 09</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE 12</u>
English	English Language 09 A & B	English Language A 10/11 English Language B 10/11	English Language 20/21 Creative Writing 20 Media Studies 20	English Language A 30/31 English Language B 30/31 Creative Writing 30 Debate & Public Speaking 30
Fine Arts	Band 09 Choral 09 Art Ed 09 Éducation artistique	Band 10 Choral 10 Dance 10 Drama 10 Guitar 10 Visual Art 10	Band 20 Choral 20 Dance 20 Drama 20 Guitar 20 Visual Art 20	Band 30 Choral 30 Dance 30 Drama 30 Guitar 30 Visual Art 30
Languages	Français A 09 Français B 09	French 10 German 10 Japanese 10 Français 10 Mandarin 10 Spanish 10	French 20 German 20 Japanese 20 Français 20 Spanish 20	French 30 German 30 Japanese 30 Français 30 Spanish 30
Mathematics	Mathematics 09 Mathématiques 09	Apprenticeship Math 10 Foundations of Math 10 Fondements et pré-calc 10 Math 11	Apprenticeship Math 20 Foundations of Math 20 Pre-Calculus 20 Math Fondements 20 Math 21	Apprenticeship Math 30 Foundations of Math 30 Pre-Calculus 30 Calculus 30 Math Fondements 30
Physical Education	PE/Health/Career Ed. 09	Wellness 10	Physical Education 20 High Perform. Sport Psych 20/30 (2 credits)	Physical Education 30 Mental Wellness 30 Mental Wellness 30
Social Sciences	Social Studies 09 Sciences Humaines 09	History 10 / 11 Histoire 10 Indigenous Studies 10/11	History 20 / 21 Histoire 20 Indigenous Studies 20 Psychology 20	History 30 / 31 Sciences Sociales 30 Indigenous Studies 30 Law 30 Psychology 30 Religions of the World 30
Other Social Sciences			Life Transitions 20	Life Transitions 30
Sciences	Science 09 Sciences 09	Science 10 / 11 Sciences 10	Health Science 21 Environmental Science 20 Health Science 20 Physical Science 20 Computer Science 20	Biology 30 Chemistry 30 Physics 30 Computer Science 30

Course Offerings by Department and Grade

	<u>GRADE 09</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE 12</u>
Business Ed		Accounting 10 Computer Processing 10 Career Work Exploration10 Financial Literacy 10	Accounting 20 Comp. Proc. 20 Career Work Exploration 20	Accounting 30 Comp. Proc. 30 Financial Literacy 30
Practical & Applied Arts	TEC09/FOO09			
TEC09: Carpentry, Drafting, Machining, and Electronics FOO09: Clothing, Cooking, and Design		Clothing, Textile & Fashion 10 Comm. Cooking 10 Foods 10 Drafting 10 Electronics/Robotics 10 Photography 10 Machining 10 Mechanics 10 Visual Art 10 Welding 10 Construction/Carpentry10	Clothing, Textile & Fashion 20 Comm. Cooking 20 Drafting 20 Electronics/Robotics 20 Photography 20 Graphic Arts 20 Machining 20 Mechanics 20 Visual Art 20 Welding 20 Construction/Carpentry 20 Français Intégré A20 Français Intégré B20	Clothing, Textile & Fashion 30 Interior Design 30 Comm. Cooking 30 Foods 30 Drafting 30 Electronics/Robotics 30A&B Photography 30 Graphic Arts 30 Machining 30 Mechanics 30A Mechanics 30B Visual Art 30 Welding 30 and 30B Construction/Carpentry 30
Other	EAL Support Resource Support	EAL Support Resource Support Driver Education	EAL Support Resource Support	EAL Support Resource Support

For mandatory subject requirements (i.e. English, Math and Science), students are strongly encouraged to follow teacher recommendations when choosing classes. Grade 9 teachers will record grade level recommendation on the student report card.

- Mandatory courses are noted in the above planning guide. We encourage students to use the planning guide to record and plan their course selections. ***It is the student's responsibility*** to ensure that the provincial graduation requirements have been met. Our counsellors are available to assist students if needed.
- University and technical institute entrance requirements differ from the minimum secondary school graduation requirements. Students should be sure to research post-secondary requirements and to seek the early assistance of counsellors to ensure that they have the required subjects.

ENGLISH

ENGLISH LANGUAGE ARTS A10 (ELA A10 / ELA11)

Prerequisite: ELA 9A and ELA 9B

What do stories teach us about life's challenges and mysteries? What qualities help us face challenges successfully? How do our imaginations carry us far beyond the borders of the everyday world? These are the essential questions of English Language Arts A10. Through encounters with a variety of written, oral, and visual texts, you will explore *Challenges of Life* and *Mysteries of Life* as you work to strengthen your own language skills. Prepare for adventure, courage, and the unknown as we develop powerful ways to express our ideas through writing, speaking, and representing.

ENGLISH LANGUAGE ARTS B10 (ELB10 / ELB11)

Prerequisite: ELA 9A and ELA 9B

Who decides what is right? Why do the right thing? How can I have a positive influence upon my world? These questions are at the heart of the English Language Arts B10 course. Independent decision making confronts you as you move toward adulthood and become an informed citizen. You will have the opportunity to read, listen to, and view both true and fictional accounts of people facing life adversities through two key themes: *Equity and Ethics* and *The World Around and Within Us*. Investigate the power of language as we confront difficult social dilemmas and respond thoughtfully and effectively in writing, speaking, and representing.

ENGLISH LANGUAGE ARTS 20 (ELA20 / ELA21)

Prerequisite: ELA10 and ELB10

How do our relationships with others affect our identity, values, and beliefs? How do the roles and expectations vary among cultures and through the various stages of life? ELA 20 is about looking back and looking forward and includes a variety of texts that focus on monumental moments of beginning, becoming, establishing, and realizing. At the heart of this course is the aim to improve language skills: to communicate clearly and effectively for a variety of purposes and audiences. Expect to confront the complexities of changing identities and conflicting expectations.

CREATIVE WRITING 20 (ELW20)

Prerequisite: ELA10 and ELB10 or completion of ELA10 and the permission of the teacher

Creative Writing fosters the excitement of writing in a workshop atmosphere where you have numerous opportunities to write in a variety of genres. You will acquire the expertise to generate ideas, develop language precision, edit with understanding, and confidently deliver a published work to an audience. Creative Writing develops important life skills such as communication, time management, self-expression, and critical and creative thinking.

MEDIA STUDIES 20 (ELM20)

Prerequisite: ELA A10 & ELA B10

Are you a lover of film and television? Do you stay on top of current events? Have you been fooled by clickbait or ads masquerading as news? In Media Studies 20, you will view, listen to, understand, and create media and pop culture

products that relate to your life and your world. Skills learned in this class include presenting, evaluating, analyzing, and producing content. Learn to critique advertisements, film, news, and other media products. Follow your passion towards filmmaking, podcasting, journalism writing, and more. Examine values and ethics in media, and learn how to watch, read, and listen with a critical eye and ear. This class is open to students at both the 20 and 30 levels.

CREATIVE WRITING 30 (CRW30)

Prerequisite: Students must be in their fourth year of secondary school.

Creative Writing 20 is recommended.

Are you passionate about writing? This course will allow you to explore the genre or theme of your choice. You will write daily, developing your craft through assigned exercises and generating and refining your work in a series of portfolios. You will also edit the work of other young writers and explore the published works of significant writers in your genre. We strongly encourage students to complete Creative Writing 20 prior to registering in this class; those who have not done so must seek department coordinator permission prior to registering in CW30. This class is not a substitute for any required English Language class.

DEBATE AND PUBLIC SPEAKING 30 (DEB30L)

Prerequisites: None

Through debate and public speaking, students extend their abilities to decode and analyze essential arguments at the heart of democracy. In the age of "fake news", this course seeks to prepare students to question assumptions, and learn to value diverse positions by being asked to speak on both sides of contentious current events issues. This course will focus on teaching skills in argument construction and deconstruction, research, logic and rhetoric, and persuasive speaking through debate and public speaking activities.

ENGLISH LANGUAGE ARTS A30 (ELA30 / ELA31)

Prerequisite: ELA 20—open to grade 12 only

What contributions have Canadian individuals made to the character of the Canadian community? How have Canada's historical landscapes influenced its contemporary landscapes? ELA A30 is about Canada and all things Canadian. Together, we will explore two major themes: *Canadian Perspectives: Rich and Distinct* and *Canadian Landscapes: Diverse and Dynamic*. While examining these themes, you will strengthen your language skills by learning from influential First Nations, Métis, Saskatchewan, and Canadian writers, speakers, and multimedia creators.

ENGLISH LANGUAGE ARTS B30 (ELB30 / ELB31)

Prerequisite: ELA 20—open to grade 12 only

Travel the world without leaving the classroom. ELA B30 centers on global voices and perspectives found in traditional and contemporary world literature. While exploring two themes, *The Search for Self* and *The Social Experience*, you will consider questions such as Who and what are we? and What is the nature of ambition and power? On your journey, you will have the opportunity to learn from writers, speakers, and multimedia creators from different times, places and perspectives. Consider how language is used to transform small and big worlds.

English Language Arts

ELA09 — ELB09 — ELA10/11 — ELB10/11 — ELA20/21 — ELA30/31 — ELB30/31 — *ELW20 — *CRW30 — *ELM20

* This class may not be substituted for the compulsory ELA20 or 30 credits. It is advised that students complete one grade level before moving on to the next.

ENGLISH AS AN ADDITIONAL LANGUAGE

ENGLISH LANGUAGE ARTS A9 AND B9 — SHELTERED Recommended Proficiency Benchmark A2—B1 (ELA09S/ELB09S)

These courses have the same objectives and themes as the regular ELA9 and ELB9 courses. However, only EAL students will be in the class, allowing the teacher to use teaching and assessment strategies most appropriate for the EAL learner. Students enrolling in this course are expected to be at a low intermediate level of speaking, reading, and writing in English.

ENGLISH AS AN ADDITIONAL / SECOND LANGUAGE—BEGINNER’S CLASS (EAB10A)

Recommended for Proficiency Benchmarks A1.1—A1.2.

At Walter Murray, we offer support to students who are learning English. Support to learn English may be provided in three ways: direct instruction classes, sheltered classes, and EAL support classes. Specific course offerings will depend on enrolment and student need. The speed at which a student learns a language is affected by many factors. Students should consult with Student Services and/or EAL teacher to choose their classes.

ENGLISH AS AN ADDITIONAL / SECOND LANGUAGE— INTERMEDIATE CLASS (EAA20 / EAB20)

Recommended Proficiency Benchmarks for EAA20 is A2.1—A2.2 and EAA20 B1.1.

These classes are designed for students who have studied English and need to strengthen their skills to prepare for a regular English course. Two levels are offered: low intermediate and high intermediate.

ENGLISH LANGUAGE ARTS A10 AND B10—SHELTERED (ELA10S / ELB10S)

Recommended Proficiency Benchmark B1.1.

These courses have the same objectives and themes as the regular ELA10 and ELB10 courses. However, only English as an additional language students will be in the class, allowing the teacher to use teaching and assessment strategies most appropriate for the English language learner. Students enrolling in this course are expected to be at an intermediate level of speaking, reading, and writing in English. *Students earn a regular credit for each course upon successful completion.*

ENGLISH AS AN ADDITIONAL LANGUAGE—SUPPORT CLASSES (ES1X / ES2X)

Recommended Proficiency Benchmark A1.1—B1.2

These classes are designed for English language learners who require additional support in their subject area courses. These classes support English language learners by providing students with extra time to focus on their studies, learn new subject-area concepts in English, and receive support, one-on-one or in small groups, with assignments, homework, and test preparation. Students may take one or two hours of EAL support each semester. These courses are not for credit.

HISTORY 10 SHELTERED (HIS10S)

Recommended Proficiency Benchmark B1.1+

Sheltered History 10 is only available to English Language Learners and focuses on developing academic language with the same themes, concepts, and objectives as regular History 10 students. Registration in this class is open to students assessed at an intermediate English proficiency level of reading, speaking, and writing. Successful completion will earn students a regular History 10 credit.

ARTS ED 10—SHELTERED (ARE10S)

Arts Education (Visual Arts focus). This course is offered to students who have limited English language skills. Students will study the English language through art and use of a variety of art materials and techniques. Students will explore cultural influences of the arts and how all of the strands of the arts (music, movement, drama, and art) are expressed in Foods 10-sheltered.

FINE ARTS

BAND 10

(BAN10-N)

Prerequisite: Band 09 or Department Permission required.

The development of instrumental technique and music theory skills continues from grade 9. This is a full year course which rehearses every other day. Students will perform in full band and small ensembles. Performances may include: a Fall, Winter, and Spring Concert at Walter Murray, music festivals, an optional overnight band trip; and other community performances. Students in this class are expected to participate in all rehearsals, performances, and special projects of the band.

There is a class fee of \$15 to pay for sectionals and band uniform.

BAND 20

(BAN20-N)

Prerequisite: Band 10 or Department Permission required.

Concert Band is a full year course which rehearses every other day. Band 20 is an extension of Band 10. Challenging music and concepts will be covered through performance in full band and self directed student ensembles. Performances may include: a Fall, Winter, and Spring Concert at Walter Murray; music festivals, an optional overnight band trip; and other community performances. Students in this class are expected to participate in all rehearsals, performances, and special projects of the band.

There is a class fee of \$50 to pay for sectionals and band uniform.

BAND 30

(BAN30-N)

Prerequisite: Band 20 or Department Permission required.

Concert Band is a full year course which rehearses every other day. Band 30 is an extension of Band 20. Challenging music and concepts will be covered through performance in full band and self directed student ensembles. Performances may include: a Fall, Winter, and Spring Concert at Walter Murray, music festivals, an optional overnight band trip and other community performances. Students in this class are expected to participate in all rehearsals, performances, and special projects of the band.

There is a class fee of \$15 to pay for sectionals.

CHORAL 10/20/30

(CHO10-N / CHO20-N / CHO30-N)

(Choral 10: No previous experience required, any grade 10, 11 or 12 student may enroll in this class.)

(Choral 20: Prerequisite: Choral 10 or Department Permission required.)

(Choral 30: Prerequisite: Choral 20 or Department Permission required.)

Students will develop their vocal technique and learn choral repertoire from a variety of musical periods and styles. Performance and skill level demands increase with each grade level. Performances may include evening concerts, music festivals, an optional overnight choir trip, and other community performances. Participation at festivals and public concerts is expected from the students. This multigrade class meets every Monday, Wednesday and Friday at 7:50 AM and therefore may be taken as an eleventh class.

There is a class fee of \$40 to pay for sectionals and uniform.

DANCE 10

(DAN10)

Prerequisite: None. (Open to grade 10, 11, & 12 students)

In this course, students will explore a variety of dance styles including, but not limited to; jazz, hip hop, and contemporary. Students will work to develop their technique and terminology related to each style. They will choreograph and perform dances and examine their relation to, and growth in dance throughout the semester. The students will explore various dance-related career paths and analyze how dance reflects social trends of a time and place. Finally, the students will learn about the historical and cultural events expressed through dance as well as respond to dance compositions and investigate dances from a variety of Indigenous cultures. This is a performance based-class. This course is for all levels of dancers.

There is a class fee of \$35. (General class fee of \$10 and costume fee of \$25)

DANCE 20

(DAN20)

Prerequisite: None. Dance 10 is recommended.

In this course, students will explore a variety of dance styles including, but not limited to; jazz, hip hop, and contemporary. Students will experiment with dance technique and terminology within a range of global contexts. They will choreograph and perform dances and examine how dance expands one's relationship with self, others, and the world. The students will analyze dance-related career paths related to their own interests and analyze how dance reflects social and political conditions on a global scale. Finally, the students will develop their perspective of historical and/or contemporary world issues through dance expression, as well as respond to dance compositions and examine the role of dance in a variety of Indigenous cultures. This is a performance-based class. This course is for all levels of dancers.

There is a class fee of \$35. (General class fee of \$10 and costume fee of \$25)

DANCE 30

(DAN30)

Prerequisite: None. Dance 20 is recommended.

In this course, students will explore a variety of dance styles including, but not limited to; jazz, hip hop and contemporary. Students will investigate and demonstrate dance technique and terminology within a range of cultural contexts. They will choreograph and perform dances and examine how dance expands one's relationship with self and community. The students will explore the ways that skills and competencies learned from dance apply to careers and analyze how dance challenges and influences personal and connective thinking about Canadian issues. Finally, the students will develop their understanding of dance within a Canadian social and historical context, as well as respond to dance compositions and investigate how Indigenous perspectives impact the creation of traditional and contemporary dance. This is a performance-based class. This course is for all levels of dancers. **There is a class fee of \$35. (General class fee of \$10 and costume fee of \$25)**

FINE ARTS (continued)

DRAMA 10 (DRA10)

Prerequisite: None. (Any grade 10, 11, & 12 student may enroll in this class)

The Drama 10 course is an exciting introduction to the world of drama and theatre. The main focus of this course is on personal development and acting skills. Units of study include mime, improvisation, movement, speech, and script study. Students will develop a broad range of acting skills and confidence on and off the stage. Students will conclude the course with a short one-act play performed in front of an audience.

DRAMA 20 (DRA20)

Prerequisite: None. Dance 10 is recommended.

Drama 20 is open to grade eleven and twelve students. This course is intended to help you develop motivation, self-discipline, and self-confidence. Drama 20 builds on the Drama 10 course and focuses on continued personal development and acting skills. This will be accomplished through group building, speech, movement, character development, improvisation, self-exploration, and script studying. There will monologues and a collective work for an audience to conclude the semester.

DRAMA 30 (DRA30)

Prerequisite: None. Dance 20 is recommended.

The emphasis of this course is on performance in both improvised and scripted work. Drama 30 builds on the Drama 10 and 20 courses helping you to develop motivation, self-discipline, and self-confidence, focusing on projects in acting, directing, writing, and producing. The dramatic components of speech, movement, character development, improvisation, and exploration of various theatre styles throughout history will be examined.

GUITAR 10 (GUI10)

Prerequisite: None. (Any grade 10, 11, & 12 student may enroll in this class)

Students will explore music through the study of guitar. Students will learn to read and write tablature, traditional notation and chords. Performance and technical skills will be developed through playing many styles of guitar. There is an emphasis on developing guitar techniques as well as exploring a variety of cultural and historical aspects related to the guitar.

Guitars and materials are provided.

GUITAR 20 (GUI20)

Prerequisite: Guitar 10 or Department Permission Required.

This course will continue to develop skills and concepts from Guitar 10 with a greater focus on individual performance and intermediate playing techniques. Although the primary focus is performance on the guitar, students will be expected to expand their ability to read and write tablature, traditional notation and chords.

Guitars and materials are provided.

GUITAR 30 (GUI30)

Prerequisite: Guitar 20 or Department Permission Required.

This course will continue to develop skills and concepts from Guitar 20 with a greater focus on individual performance and advanced playing techniques. Although the primary focus is performance on the guitar, students will be expected to continue to expand their ability to read and write tablature, traditional notation and chords.

Guitars and materials are provided.

VISUAL ART 10 (VAR10)

Prerequisite: None.

This studio-based course emphasizes being able to see as an artist while exploring various materials. Projects may include: drawing, painting, clay, collage, ink, printmaking, glass fusing and copper work. Students will learn about art history through an artist study and participate in art critiques. The class fee will cover the costs of most supplies. Students must provide their own drawing pencils and eraser, paintbrush(es) for acrylic and one 8x 10 or 9x 12 sketchbook.

There is a class fee of \$25.

VISUAL ART 20 (VAR20)

Prerequisite: None. Visual Art 21 is recommended or permission from the instructor

This course builds on the skills developed in Visual Art 10. This studio-based course emphasizes in-depth work and the creative process. Projects may include pencil drawing, pen and ink, oil pastel portraits, acrylic, watercolour, clay, glass fusing and copper. The class fee will cover the costs of most supplies. Students must provide their own drawing pencils and eraser, paintbrush(es) for acrylic and one 8x 10 or 9x 12 sketchbook.

There is a class fee of \$25.

VISUAL ART 30 (VAR30)

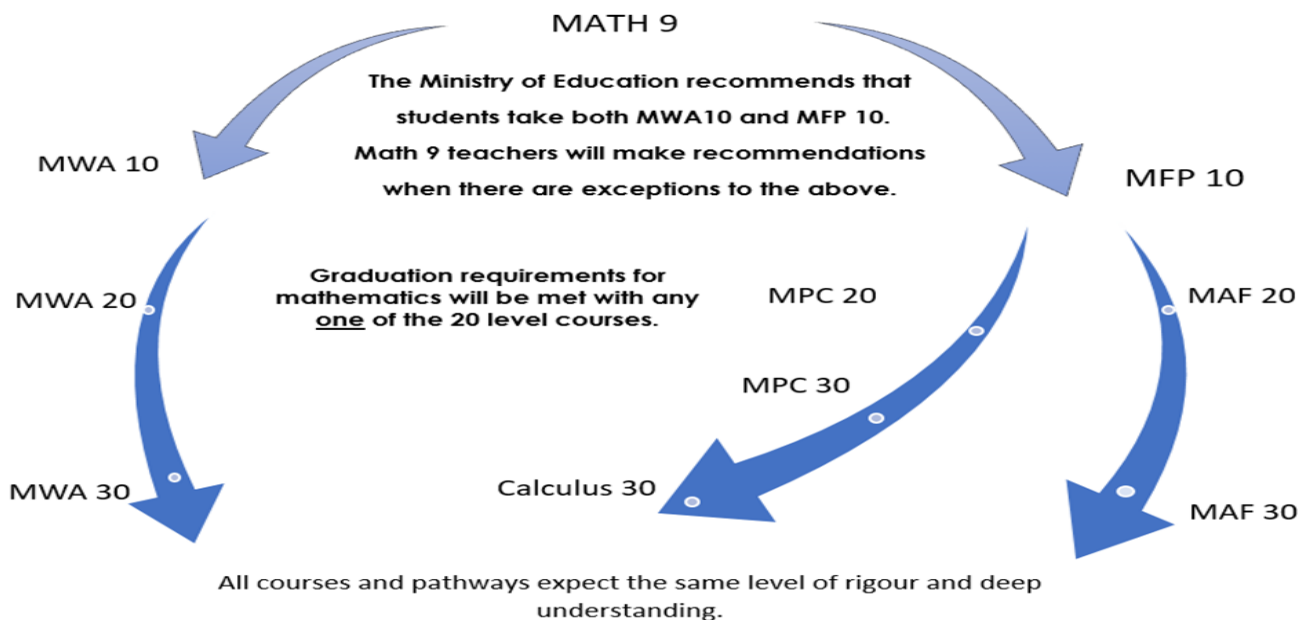
Prerequisite: None. Visual Art 20 is recommended or permission from the instructor.

This course builds on the skills developed in Visual Art 20 and the artist becomes more self-directed. This studio-based course emphasizes in-depth work and the creative process. Projects may include: silversmithing, plaster carving, acrylic, collage, watercolour, ink, clay, chalk, glass fusing and oil pastel. Students will complete a Canadian artist study. Students are encouraged to develop creativity and originality in their work. The class fee will cover the costs of most supplies. Students must provide their own drawing pencils and eraser, paintbrush(es) for acrylic and one 8x10 or 9x12 sketchbook.

There is a class fee of \$25.

MATHEMATICS

Regular Programming



Workplace and Apprenticeship Mathematics Pathway

This pathway is designed to provide the mathematical understandings and critical-thinking skills needed for students intending to pursue careers in the trades and general workplaces.

WORKPLACE AND APPRENTICESHIP 10 (MWA10)

Prerequisite: Mathematics 09

Topics: Unit Pricing, wages, salaries, deductions, Imperial system of measurement and SI system of measurement, surface area, angles and parallel lines, similar figures, and trigonometry.

WORKPLACE AND APPRENTICESHIP 30 (MWA30)

Prerequisite: Workplace and Apprenticeship 20

Topics: reasoning, measurement, sine and cosine law, properties of polygons, transformations, finances, linear relations, measures of central tendency, percentiles, and probability.

WORKPLACE AND APPRENTICESHIP 20 (MWA20)

Prerequisite: Workplace and Apprenticeship 10

Topics: slope and rate of change, graphing, surface area, volume, trigonometry, scale representation, and financial servicing – personal loans, line of credit, personal budgeting.

Foundations of Mathematics Pathway

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 calculus.

FOUNDATIONS OF MATHEMATICS 10 (MFP10)

Prerequisite: Math 09 A final mark of 70% or better is strongly recommended.

Topics: linear measurement, systems of measurement, trigonometry, multiplying and factoring polynomials, radicals and powers, relations and functions, and systems of linear equations.

FOUNDATIONS OF MATHEMATICS 30 (MAF30)

Prerequisite: Foundations of Mathematics 20. A final mark of 70% or better in MAF20 is strongly recommended.

Topics: finances, reasoning; set theory, odds and probability; permutations and combinations; polynomial, exponential, logarithmic, and sinusoidal functions.

FOUNDATIONS OF MATHEMATICS 20 (MAF20)

Prerequisite: Foundations of Mathematics and Pre-Calculus 10

Topics: inductive and deductive reasoning, properties of angles and triangles, triangle trigonometry, statistical reasoning, systems of linear inequalities, quadratic functions and equations, and proportional reasoning.

MATHEMATICS (continued)

Pre-Calculus Pathway

Students in the Pre-Calculus Mathematics pathway will spend more time developing their knowledge of symbol manipulation (Algebra) and the more formal generalizations of mathematical concepts. This pathway is intended for students who may wish to pursue mathematical-related studies at the post-secondary level and prepares students for the study of Calculus 30.

FOUNDATIONS OF MATHEMATICS AND PRE-CALC 10 (MFP10)

Prerequisite: Math 09

A final mark of 70% or better is strongly recommended.

Topics: linear measurement, systems of measurement, trigonometry, multiplying and factoring polynomials, radicals and powers, relations, functions, and systems of linear equations.

PRE-CALCULUS 20 (MPC20)

Prerequisite: Foundations of Mathematics and Pre-Calculus 10

It is strongly recommended that Foundations 20 be taken before this class.

Topics: sequences and series, trigonometry, quadratic functions, quadratic equations, radical expressions and equations, rational expressions and equations, absolute value and reciprocal functions, systems of equations, linear and quadratic inequalities.

PRE-CALCULUS 30 (MPC30)

Prerequisite: Pre-Calculus 20; A final mark of 70% or better in MPC20 is strongly recommended.

Topics: angle measurement, trigonometry, trig functions, trig equations, trig identities, composition of functions, transformations, functions, logarithms, polynomial functions, radical and rational functions, permutations and combinations.

CALCULUS 30 (CAL30)

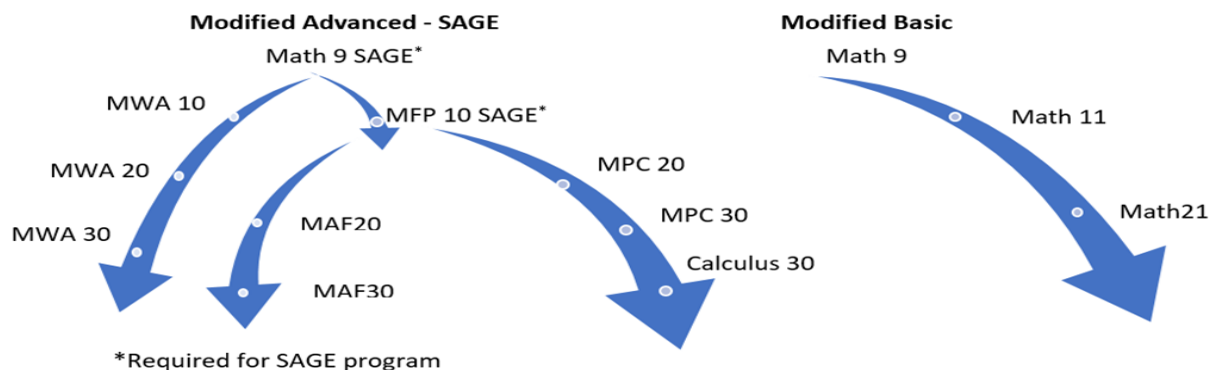
Prerequisite: Pre-Calculus 30; A final mark of 70% or better in MPC30 is strongly recommended.

The purpose of this course is to acquaint students with the concepts of a first year university level Calculus course. Students will be introduced to the concepts of Differential Calculus. Emphasis will be placed on the rules and applications of differentiation, including the limit concept. Applications include: curve sketching, related rate and optimization problems and transcendental functions.

Modified Programming

Courses for modified programs are locally developed and approved by the Saskatchewan Ministry of Education. These programs were written to meet specific learning needs of students while still satisfying graduation requirements.

Students enter modified programs based on teacher recommendation.



Modified Basic Mathematics Courses

Placement of students in these courses is recommended after students' academic strengths and weaknesses are determined through formal and informal means. The content of these locally developed courses is designed around the themes of Earning and Spending Money, Home, Recreation and Wellness, and Travel.

Students will become mathematically literate and numerate to then be able to analyze situations and make life decisions and continue with select post-secondary programs.

MATHEMATICS 11 (MTH11)

Prerequisite: Mathematics 09

Topics: arithmetic operations, logic and reasoning, data collection and analysis, Imperial and Metric systems of measurement, angles, proportional reasoning, algebra, wages, and salaries.

MATHEMATICS 21 (MTH21)

Prerequisite: Mathematics 11

Topics: preservation of equality, numerical and proportional reasoning, angles, primary trigonometric ratios, budgeting, statistics, logical reasoning, credit.

PHYSICAL EDUCATION

WELLNESS 10

(WLF10-female; WLM10-male; WLL10-CO-ED)

Prerequisite: Physical Education 09.

The aim of Wellness 10 is that students will develop behaviours that support life-long health. This will include daily physical activity, setting goals for their personal fitness as well as investigating many lifestyle and wellness topics such as nutrition, time and stress management, mental health education, and leisure opportunities. Students will receive a percentage mark on their report card. Athletic clothing and proper running shoes must be worn.

PHYSICAL EDUCATION 20

(PED20)

Wellness 10 Recommended. When registering for this course you may select semestered co-ed, female only or non-semestered PED/Band.

The focus of this course is to experience a variety of lifetime recreational activities. Activities may include: mixed martial arts, squash, disc golf, broomball, horseshoes, table tennis, bowling, curling, wall climbing, Indigenous Games, and fitness classes. Topics of study include exercise psychology and biomechanics. Many activities will be held off campus and therefore a class fee is required to cover the cost of facility, equipment, and instructors. Buses are used to transport students to and from the activity venues.

*There is a class fee of \$125.

HIGH PERFORMANCE TRAINING AND SPORT PSYCHOLOGY 20

(PED20E/PSY20)

Wellness 10 Recommended.

High Performance Training and Sport Psychology 20 is designed to provide students with the knowledge, skills, and expertise required to achieve personal goals and reach high levels of excellence in their chosen pursuits. High performance training provides students with the opportunity to further develop their physical abilities, using proper training techniques, as well as exercise science. Students will apply these understandings to improve athletic performance and fitness with a focus on sport psychology. Sport psychology provides opportunities for students to further develop their psychological abilities, learn about human behaviour, and factors to consider when living the life of a competitor that will

improve mental performance. As part of High Performance Training and Sport Psychology 20, students will develop effective and holistic principles to apply to their personal practices and therefore maximize personal performance.

This class is open to grade 11 and 12 students, and combines two credits in a block structure where students will receive PED20 and PSY20 credits.

There will be a class fee of \$60.

MENTAL WELLNESS 30L

(MWL30)

Prerequisite: Wellness 10

Offered to students in Grade 11 & 12

Mental Wellness 30L is a ministry-approved course that helps students understand different aspects of mental health challenges, mental illness, as well as, create a personalized mental wellness plan. Topics of study include the difference between mental health and mental illness, stigma and its impact on the individual, the concept of resilience, and how developing resilience impacts the mental wellbeing of those individuals experiencing symptoms of poor mental health. Students will have access to tools to create a balanced life and wellness in all domains of their lives (mental, physical, spiritual, emotional, and social).

PHYSICAL EDUCATION 30

(PED30)

Wellness 10 Recommended. When registering for this course you may select semestered co-ed, female only or non-semestered PED/Band.

This grade 12 program continues to emphasize recreational activities that will give participants basic skill and knowledge in a wide variety of activities. Activities may include; golf, cross-country skiing, bowling, weight training, badminton, broomball, squash, wall-climbing, Indigenous Games, curling, aquatics, and mixed martial arts. Most activities are held outside of the building and therefore buses will be used to transport students to and from venues. Topics of study include exercise psychology and biomechanics.

*There is a class fee of \$125.

DRIVER EDUCATION 10

(DRI10-N)

(no credit)

This course is offered in both semesters. Students must meet the age requirement of 15 years prior to requesting this course. Priority is given to older students. Anyone during the year may add their name to the wait list in Student Services and these students will be placed into classes chronologically. A letter will be hand delivered to the student during school time. Please follow the instructions noted in the letter. Students cannot be in Special Physical Education, the Musical, and Driver's Education in the same semester. Students involved in the musical must reschedule for

semester 2. It is the decision of the Driver Education Department under the umbrella of Saskatoon Public Schools that a **“student who has attended Driver Education in the current school year and has dropped out on their own accord or has been removed due to poor attendance will be financially responsible to take a Driver Education Program privately in order to obtain a Driver Education Certificate.”** Further information may be obtained from the Driver Education Manager at the Saskatoon Public School Division office (306-683-8268).

PRACTICAL & APPLIED ARTS

BUSINESS EDUCATION

ACCOUNTING 10

(ACC10)

Prerequisite: None

Accounting 10 is an introduction into the language of business with a focus on the accounting cycle of an entrepreneurial service business. This class introduces the principles and process involved in double-entry accounting systems. Some concepts — such as analyzing debits and credits, recording in journals, posting to ledgers, worksheets, practical banking applications (cheques, reconciliation of bank statements), and EXCEL spreadsheets — will be used in the preparation of financial reports. This class is recommended for anyone interested in pursuing a career in business and/or accounting. Learning can be transferred to apply to personal situations in everyday life including topics such as chequing accounts, expenses, income, profit, and net loss.

ACCOUNTING 20

(ACC20)

Prerequisite: Acc10 or Department Permission Required.

Accounting 20 is a second-year computerized and “hands on” accounting course designed to reinforce and enhance accounting principles and concepts of a merchandising firm. Specialized accounting such as journalizing into special journals (cash receipts, cash payments, purchases, and sales) accounts receivable, accounts payable, posting to subsidiary ledgers, inventory, payroll, PST and GST are included. Students will learn about risks related to credit sales and about collection of debts. Partnership accounting is introduced. Business ethics and accounting standards contribute to discussions related to business decision-making.

ACCOUNTING 30

(ACC30)

Prerequisite: Acc10 and Acc20 or Department Permission Required.

Accounting 30 is a third-year accounting course designed to reinforce and enhance accounting principles and concepts introduced in the previous accounting courses. This course is an introduction to managerial accounting and will be helpful to students who are considering accounting as a career. It introduces the role of managerial accounting and how financial statements, and accounting practices assist with decision-making. Advanced levels of EXCEL are used for constructing graphs, preparing schedules of cost of goods manufactured, budgets, variance analysis, comparative income statements, and cost volume-profit analysis.

COMPUTER/INFORMATION PROCESSING 10

(CPR10)

Prerequisite: None

This course focuses on areas in a **personal** context: task management, digital citizenship and law, word processing, computer technology, spreadsheets, and databases. Using a variety of technological tools and platforms, students will develop and apply an understanding of information processing to communicate, solve problems, and create products in a digital world. It will help you to process information effectively and efficiently; make sound decisions about life choices and careers; and understand the interrelationship among individuals, the business world, and government.

COMPUTER/INFORMATION PROCESSING 20

(CPR20)

Prerequisite: CPR10 or Department Permission Required.

This course focuses on areas in a **professional** context: project management, digital citizenship and law, word processing, computer technology, spreadsheets, and databases. Using a variety of technological tools and platforms, students will deepen their understanding of information processing and will apply their knowledge and skills to communicate, solve problems and create products in a digital world.

It will provide students with the opportunity to develop further the information technology knowledge and skills needed in the business world. This course provides opportunities for practical project-based learning that can be used in personal and professional applications.

COMPUTER/INFORMATION PROCESSING 30

(CPR30)

Prerequisite: CPR20 or Department Permission Required.

Computer/Information Processing 30 focuses on areas in a creative context: project management, digital citizenship and law, word processing, computer technology, spreadsheets, databases, and design, drawing, and painting. Using a variety of technological tools and platforms, students will deepen their understanding of advanced information processing concepts, and will apply their knowledge and skills to communicate, solve problems, and create products in a digital world. This course provides students with the opportunity to develop and improve their essential skills in information technology needed in the workplace. They will develop their understanding of electronic business environments, improve their skills in electronic research and in using business application software in the preparation of business documents, as well as managing information.

FINANCIAL LITERACY 10

(FLT10)

Prerequisite: None

Financial Literacy 10 is the new course required to graduate for students entering grade 10 in 2024. It is intended to expose you to practical skills that will support you in your journey of success in life during, and after, high school. Managing the financial aspects of life can help one access options for their future including effective decision making for expenses and saving for bigger goals such as owning a home. Other parts of financial literacy include budgeting, borrowing, investing in addition to strategic saving. Also learning how to manage records is an important part of this course that can help people determine and achieve their financial goals.

FINANCIAL LITERACY 30

Prerequisite: None

(FLT30)

This course focuses on seven areas of money management in everyday life: earning, saving, spending, borrowing, sharing, investing and protecting. This is an introduction to financial issues and decisions based around the value of money, importance of financial decision making, budgeting fundamentals, the concept of interest, and many others! The purpose of this course is to develop informed individuals with the habits, attitudes, and critical thinking skills necessary to approach financial decisions with competence.

PRACTICAL & APPLIED ARTS

HOME ECONOMICS

CLOTHING, TEXTILE, AND FASHION 10 (CLO10)

Prerequisite: None

This course has been developed for students with an interest in sewing beyond grade 9. Students will complete a variety of projects including samples, strip quilted pin cushion, marble mazes, keychains, self-portraits, aprons, sweatshirts, and a personalized denim recycled project. Students are responsible for the purchase of some of the supplies for their sewing project. Students are responsible for purchasing/providing most materials needed to complete their individual assignments.

There is a class fee of approximately \$25.

CLOTHING, TEXTILE, AND FASHION 20 (CLO20)

Prerequisite: Clothing, Textile, and Fashion 10 or Department Permission Required.

This course is open to grade 11 and 12 students who would like to continue developing the skills learned in Clothing 10. Students will complete a variety of smaller sewing and beaded projects and finish off with a handcrafted quilt. Students are responsible for purchasing/providing most materials needed to complete their individual projects.

There is a class fee of approximately \$25.

CLOTHING, TEXTILE, AND FASHION 30 (CLO30)

Prerequisite: Clothing, Textile, and Fashion 10 or Department Permission Required.

This course is open to grade 11 and 12 students who would like to further continue developing the skills learned in Clothing 10 or 20. Students will complete various class led small projects, in addition to choosing their own sewing projects based on their previous sewing experience. Students are responsible for purchasing/providing most materials needed to complete their individual projects.

There is a class fee of approximately \$25.

COMMERCIAL COOKING 10 (COC10)

Prerequisite: None

Students will have the opportunity to earn a Public Health FoodSafe Level 1 certificate.

Food allergies or dietary restrictions may limit a student's ability to participate in kitchen-based activities.

Join us as we explore the culinary arts! This is a hands-on beginner class designed to foster a love of cooking and develop basic skills in a fun-filled and supportive atmosphere. All are welcome as, together, we explore the history of the food industry and make a variety of sweet and savoury recipes!

There is a class fee of approximately \$50.

COMMERCIAL COOKING 20 (COC20)

Prerequisite: Coc10 or Department Permission Required.

Students will have the opportunity to earn a Public Health FoodSafe Level 1 certificate.

Food allergies or dietary restrictions may limit a student's ability to participate in kitchen-based activities.

Welcome to a fun-filled and fast-paced intermediate cooking class! Together we will build on the skills developed in Commercial Cooking 10 as we cook and bake through several

modules. Students will assist with preparing the lunches served in the WMC Cafeteria as part of their work study learning. Come and join our team!

There is a class fee of approximately \$50.

COMMERCIAL COOKING 30 (COC30)

Prerequisite: Coc20 or Department Permission Required.

Students will have the opportunity to earn a Public Health FoodSafe Level 1 certificate.

Food allergies or dietary restrictions may limit a student's ability to participate in kitchen-based activities.

Building on our skills in Commercial Cooking 10 and 20, this advanced class is composed of a mix of theory, hands-on skill building and cooking in both the kitchen and cafeteria. Students will assist with preparing the lunches served in the WMC cafeteria as part of their work study learning. If you have a passion for food this is the place for you!

There is a class fee of approximately \$50.

FOODS 10 (FOO10)

Prerequisite: None

Students will have the opportunity to earn a Public Health FoodSafe Level 1 certificate.

Food allergies or dietary restrictions may limit a student's ability to participate in kitchen-based activities.

Come and join us in this hands-on beginner class! All are welcome as we cook and bake our way through a variety of introductory modules. Delicious, healthy, and easy-to-make meals are always on the menu. If a project-based class is your preference, this is the class for you!

There is a class fee of approximately \$50.

FOODS 30 (FOO30)

Prerequisite: Foods 10 or Department Permission Required.

Students will have the opportunity to earn a Public Health FoodSafe Level 1 certificate.

Food allergies or dietary restrictions may limit a student's ability to participate in kitchen-based activities.

This class will build on the skills learned in Foods 10. We will work our way through more advanced recipes and projects. This course will emphasize meals of international origin, gourmet style meals, and entertaining for special occasions. We look forward to cooking with you!

There is a class fee of approximately \$50.

INTERIOR DESIGN 30 (INT30)

Prerequisite: None

If you love design and have a flair for the artistic, this is the class for you! This course is for the student who is interested in the creative elements of design as it relates to home and interior design. Throughout the semester we will take an artistic look at interior design through research and projects.

There is a class fee of \$20.

SCIENCES

BIOLOGY 30

(BIO30)

Prerequisite: HSC20 or ESC20—a mark of 70% in either course is strongly recommended.

Topics in this course include evolutionary principles, cell biology (structure, transport, and metabolism), molecular DNA, genetic inheritance, biotechnology, as well as the development and diversity of life on Earth. A Student-Directed-Study is also included. Dissections are often included in this course.

CHEMISTRY 30

(CHE30)

Prerequisite: PSC20—a mark of at least 75% in the chemistry outcomes of PSC20 is strongly recommended.

The course covers chemical equilibrium, solutions and solubility, acid-base equilibrium, molecular geometry, introductory organic chemistry, oxidation-reduction reaction theory, and electrochemical applications. A Student-Directed-Study is also included. The course blends theoretical concepts of chemistry with practical lab work in order to prepare students for post-secondary experiences.

COMPUTER SCIENCE 20

(CSC20)

Prerequisite: Science 10

This course allows students to explore the discipline of computer science, and provides instruction on using computer programming as a problem-solving tool. The primary language used will be Python, though students will also be exposed to Scratch and HTML/CSS. Concepts covered include data types, looping, conditionals, functions, string manipulations, and arrays. This course serves as a foundation for Computer Science 30 and/ or post-secondary programming course. Students weak in mathematics are recommended to wait until grade 11 to take this course.

COMPUTER SCIENCE 30

(CSC30)

Prerequisite: Computer Science 20

This course explores problem solving through programming using the JavaScript language. Major topics include: two dimensional arrays, associative arrays, file I/O, object oriented programming, and recursion. Computer Science 30 is an excellent introduction to post-secondary computer science courses.

ENVIRONMENTAL SCIENCE 20

(ESC20)

Prerequisite: Science 10

Environmental Science is an interdisciplinary course that integrates the physical, social, and biological sciences into the study of environmental impacts and solutions. This course is not one-dimensional and will not only help you form a better connection to the natural world, but will also help you develop an understanding of how this planet works. Expect outdoor experiential learning, interactive discussions, group assignments, and big picture projects that examine how our complex, modern world is still intertwined with the laws of nature.

HEALTH SCIENCE 20

(HSC20)

Prerequisite: Science 10

Health Science 20 is an interdisciplinary science course that integrates physical and biological sciences into the study of human health. Topics include human anatomy, physiology, nutrition, medical diagnostics, and medical ethics. Careers in health care will also be explored. This course is recommended for students pursuing a career in the health or biology fields. Students wishing to take Biology 30 are also recommended to take this course.

HEALTH SCIENCE 21

(HSC21)

Prerequisite: Science 10 or Science 11

This course is intended for those students who have experienced difficulty in previous science classes, completed a level change form in student services, and require a 20-level science course to graduate. This is a modified course.

PHYSICAL SCIENCE 20

(PSC20)

Prerequisite: Science 10 (mark of 70% or great is recommended). It is strongly recommended to have completed Math Foundations Pre-calc 10 with a mark of 70% or greater

This course combines elements of Chemistry and Physics in an integrated manner to investigate concepts related to heating and cooling, the foundations of chemistry, including the mole and quantitative analysis of molecules and chemical reactions, and the characteristics and properties of waves.

PHYSICS 30

(PHY30)

Prerequisite: Physical Science 20. A mark of 70% or above in Math Pre-Calculus 20 is recommended once there is a heavy emphasis in mathematical problem solving.

Since the course is very challenging, students who are not in grade 12 are discouraged from taking physics 30. The major topics of study are motion, forces, magnetic, electric and gravitational fields, momentum and energy, modern physics and nuclear processes. Science projects, demonstrations, and labs are used to explain phenomenon scientifically.

SCIENCE 10

(SCI10)

Prerequisite: Science 09

Science 10 is a foundational science course, covering the learning outcomes of chemical reactions, force and motion, climate and ecosystems. A student-directed exploration of careers in science is paired with the previously mentioned outcomes to give students the experience and prerequisites necessary to pursue all sciences at the Grade 11 level.

SCIENCE 11

(SCI11)

Prerequisite: Science 09 and approval of the level change

This course is intended for students who have experienced difficulty in previous science classes and have completed the level change form in student services. This is a modified course.

SECOND LANGUAGES

FRENCH 10

(FRE10)

Prerequisite: None

Bonjour! The aim of this course is to guide students towards authentic acquisition of language and basic grammatical concepts through thematic units. Students will participate in oral presentations, project work, activity-based lessons, and writing assignments to further develop understanding and opportunities to practice the language. **Students with any French education experience (Francophone or Immersion) must identify themselves when registering.**

FRENCH 20

(FRE20)

Prerequisite: French 10

Allons-y! As a continuation of French 10, students will continue developing their knowledge of French language and culture through authentic experiences and thematic units. Oral tasks, project work, activity-based lessons, listening exercises, readings and writing assignments to further develop understanding and opportunities to practice the language are central to this course.

FRENCH 30

(FRE30)

Prerequisite: French 20

Parlez-vous français? Refinement of oral and written language skills will be the focus of this course. Students will participate in oral presentations, project work, activity-based lessons, and writing assignments in various units including: language and culture, current events, relationships and media.

GERMAN 10

(GER10)

Prerequisite: None

German 10 is an introductory course for students who have no prior knowledge of German. It is project-based. Emphasis is on both oral and written communication. Students interested in participating in the three-month exchange program with Germany must apply when they are in German 10.

GERMAN 20

(GER20)

Prerequisite: German 10

German 20 begins with a review of German 10. Topics include food, clothing, music, and playing board games in German.

GERMAN 30

(GER30)

Prerequisite: German 20

Topics of interest in German 30 are based partially on students' interests, mostly focuses on extended conversations. Literature, films, videos and other supplementary materials continue to widen students' vocabulary, grammar and cultural understanding.

JAPANESE 10

(JAP10)

Prerequisite: None

Japanese 10 is an introduction to the Japanese language. The main focus is on oral and written communication. Listening with understanding is also stressed. One of the Japanese writing systems, *Hiragana*, will be introduced. Students will also learn some *Kanji characters* (pictographic Chinese characters). The vocabulary acquired in the course will be written in Hiragana. The cultural component of the course will deal with everyday social communication and etiquette. Various culturally related activities such as origami, learning songs, cooking, and crafts will be introduced..

JAPANESE 20

(JAP20)

Prerequisite: Japanese 10

Japanese 20 is the natural extension of Japanese 10. The main focus continues to be oral and written communication and listening with understanding at an intermediate level. The use of Hiragana increases and becomes more complex. Another writing system, *Katakana*, will be introduced and continued development of Kanji writing will be stressed. The cultural component of the course deals with situations in daily life in Japan.

JAPANESE 30

(JAP30)

Prerequisite: Japanese 20

Japanese 30 takes oral and written communication to a more advanced level and deals, in particular, with complex everyday expressions. The students will continue to learn more Japanese writing, focusing on the development of their Kanji writing. The cultural component of the course focuses on understanding and developing flexibility and sensitivity in the cultural differences between Canada and Japan.

MANDARIN 10

(MAN10)

Prerequisite: None

Mandarin 10 is an introduction to the Mandarin language and Chinese cultures and is designed for students who have little or no knowledge of the language. Students begin with basic vocabulary and structures to communicate about their lives. Mandarin 10 is a prerequisite for the 20 level.

SPANISH 10

(SPA10)

Prerequisite: None

¡Hola! Spanish 10 is an introduction to the Spanish language. You will be introduced to a variety of cultural traditions, music, and food from various Spanish-speaking countries from across the globe. This course focuses on building a foundation in everyday communication with these topics: greetings and goodbyes, the classroom and school life, and family. Throughout the course, you will focus on speaking, listening, reading, and writing skills through a variety of activities and projects, both independently and within a group.

SPANISH 20

(SPA20)

Prerequisite: Spanish 10

¡Vámonos! This course will immerse you in the Spanish language as you continue to build on the communication skills you learnt in Spanish 10. Through a variety of activities and projects, you will read, write, speak, and listen as you explore the following topics: pastimes and sports, travel and vacation, and clothing and shopping. You will continue to be exposed to Spanish and Latin-American culture, such as sports, music, art, and film.

SPANISH 30

(SPA30)

Prerequisite: Spanish 20

¿Te gusta el español? In Spanish 30, you will continue to strengthen the already solid foundation you have built in Spanish. Most instruction and classroom communication will be in Spanish. The units will focus on vocabulary and grammar that will help you communicate about daily routines, food, traditional parties and celebrations, and personal relationships. Not only will you continue to develop your speaking, listening, and reading skills, but this course will also challenge you to create a variety of written compositions in Spanish. A cultural component will be included in the course with a focus on traditional food and celebrations, as well as music, film, art, and literature.

SOCIAL SCIENCES & INDIGENOUS STUDIES

HISTORY 10

(HIS10/ HIS11)

Prerequisite: Social Studies 09

History 10 engages students in the major revolutions that have shaped our world: changes in thinking and ideas, politics, industry, economic systems, and colonial empires. The timeline of the course runs from the Renaissance of the 15th century to the beginning of World War I.

Indigenous history—from traditional times to the modern day. Major topics are Indigenous and Treaty Rights, Indigenous Economic Development, Land Claims, Justice and Healthcare, Education, Metis Governance, and the Impact of Colonial Rule. Students will also follow current events throughout the course.

HISTORY 20

(HIS20 / HIS21)

Recommended: History 10 or Native Studies 10 and it is encouraged that students take this course in their grade 11 or 12 year.

History 20 covers the worldwide history of the 20th century, and how our world today has been shaped by the past 100 years. Major topics are WWI and WWII, the rise of totalitarian dictators versus liberal democracies, Cold War, and world superpowers, and the issues, conflicts and world successes of the recent past.

LAW 30

(LAW30)

Prerequisite: None

This course allows students to engage with the ideas and everyday effects of law in Canada, and helps students to build citizenship skills. Major topics are Rights and Freedoms, Criminal Law, Civil Lawsuits, Family Law, Employment Law, and Treaty Law. Students also participate in mock trials and case studies.

HISTORY 30

(HIS30 / HIS31)

Recommended: History 10 or Native Studies 10—open to grade 12 students only.

This course covers the history of Canada from before European settlement to the present. Major topics are Indigenous and non-Indigenous relationships, Confederation, Canada's wartime roles, Canadian unity, economic development, and Canada's place in the modern world. Students will also follow current events throughout the course.

LIFE TRANSITIONS 20

(LTR20)

Prerequisite: None

Today it is essential that young people be able to cope effectively with change. This course helps students to deal with changes throughout their lifetime. Topics include: personal life—self-esteem, communication, and personality, relationships, family, dating and marriage, careers and planning, aptitudes, time management, stress, and sexuality in adolescence.

INDIGENOUS STUDIES 10/11

(NAT10)

Students will engage with values, worldwide, worldview, and history of Indigenous peoples across Canada. The focus in this course is on pre-colonization life, values, and tradition, and how colonization has impacted both history and everyday realities. Indigenous Studies 10 concentrates on positive images of First Nations, Metis, and Inuit peoples, and students look at the positive change being created from within these communities. Major topics are Worldview and Equity, Kinship and Community, Governance, and Economics.

LIFE TRANSITIONS 30

(LTR30)

Prerequisite: None

This course deals with major changes encountered throughout one's life in the family, work place, and health care. There will be opportunity to discuss and predict the consequences of changes and formulate strategies to adapt. Topics include: our health care system, conflicts in relationships, sexual and reproductive health, parenting, money management, independent living, and career planning.

INDIGENOUS STUDIES 20

(NAT20)

Recommended: History 10 or Native Studies 10 and students are encouraged to take this course in their grade 11 or 12 year.

This course engages students in the study of international Indigenous peoples, including focus on South America, Africa, East Asia, Polynesia, and the United States. Students learn about both the historical and the contemporary realities of Indigenous people worldwide. Major topics are traditional life and worldview, colonization, self-determination, economic development, and human rights.

PSYCHOLOGY 20

(PSY20)

Prerequisite: None

The program aim is to develop students' understanding and appreciation for psychology as a field of scientific knowledge, and give students a frame of reference for understanding themselves, others, and social relationships. This course deals with many current topics such as: perception, memory, language and thinking, human communication, motivation, aggression, addictive behavior, learning, emotion and interpersonal relations.

INDIGENOUS STUDIES 30

(NAT30)

Recommended: History 10 or Native Studies 10. Open to Grade 12 only.

This course explores the history and modern issues of our country from an Indigenous perspective. Students examine worldviews, events, policies, and current issues throughout

PSYCHOLOGY 30

(PSY30)

Prerequisite: None

This course is the study of human development across the time spans of human life. Students will learn about human growth and changes in development associated with age, including the various stages of development from conception to old age and will apply such knowledge to investigate issues in their everyday lives.

RELIGIONS OF THE WORLD 30

Prerequisite: None. History 10, History 10F, History 11 is recommended.

This course explores humankind's search for meaning and purpose through religions both past and present. Fundamental questions of self, identity, purpose, interconnectedness of humanity, higher power, and spiritual understanding will be explored. Major topics of the course will include philosophical basis of religion, organizational structure of religions, history of religions, and their shaping of the societies in which they exist.

TECHNOLOGY

CONSTRUCTION AND CARPENTRY 10 (CAC10)

Prerequisite: None

This Grade 10 course is designed to increase students' skills and knowledge in the use of basic woodworking equipment. Emphasis is on "learning by doing" through assigned and individual projects. The project component of this course introduces the student to the techniques of joinery used in basic cabinet construction, the safe use and operation of the table saw, mitre saw, drill press, thickness planer, jointer, router, and other power hand tools will be covered. **Students will pay for their own projects.**

CONSTRUCTION AND CARPENTRY 20 (CAC20)

Prerequisite: Construction and Carpentry 10 or Department Permission Required.

This course consists of cabinetry and residential building construction. Topics in residential construction will include floor, wall and roof systems. Emphasis is on "learning by doing" through a shed building project. Topics in cabinet making include joinery, machine operation, and finishing techniques. Hand and machine tool operations, use of joints, clamping, finishing materials, and project design are studied. For safety concerns, Construction and Carpentry 10 is required to be taken before Construction and Carpentry 20. **Students will pay for their own projects.**

CONSTRUCTION AND CARPENTRY 30 (CAC30)

Prerequisite: Construction and Carpentry 20 or Department Permission Required.

This course includes cabinet making and building construction. Students design and build a furniture project of their choice or design and build a shed. Residential wall and floor framing is reviewed, following by roof building systems. **Students will pay for their own projects.**

DRAFTING 10 (DRF10)

Prerequisite: None

The Drafting 10 course is designed to introduce students to the techniques, practices, and standards used in Computer Aided Design. Students will learn the basics of drafting including: sketching, working drawings, orthographic drawing, isometric drawing, oblique drawing, sectional views, auxiliary views, pattern developments, and basic 3-D modeling.

DRAFTING 20 (DRF20)

Prerequisite: DRF10 or Department Permission Required.

Drafting 20 introduces students to architectural drafting techniques as well as practices and standards through the exploration of design in residential construction. Students will learn about residential design, foundations techniques, wall sections, floor plans and roofing and fasteners. The combination of these topics will result in a firm understanding of Building Information Modelling (BIM). Student work will include both computer-based learning and hands-on modeling through house and garage models. **Students may be required to pay for take home projects.**

DRAFTING 30 (DRF30)

Prerequisite: DRF 10 or Department Permission Required.

The Drafting 30 course further explores mechanical drafting through the implementation of common techniques, practices, and standards. Students will create advanced drawings in various subjects including Advanced 2D and 3D modelling. Section views, fasteners and joints. Piping design, schematic drawings, auxiliary views, engineering design and fabrication. All students learning will be both computer-based and hands-on learning through 3D printing with options for various other fabrication methods.

Students may be required to pay for take home projects.

ELECTRONICS/ROBOTICS 10 (EEO10)

Prerequisite: None

This course is the introduction to Electronics and Robotics. Students will build small projects to explore the basic building blocks of electronics. Students will construct circuits, make printed circuit boards, and be introduced to the Arduino Microcontroller. The activities are very hands-on and the students will be able to build projects they can take home. **There is a course fee of \$20 and the students will need to pay for projects not covered in the fee.**

ELECTRONICS/ROBOTICS 20 (EEO20)

Prerequisite: Electricity/Robotics 10 or Department Permission Required

This intermediate course builds on the outcomes covered in Electronics 10. The main focus of the course will be to build small projects that incorporate various course topics, including building and programming small robots. The students can choose to make projects other than robots, as long as the project connects with the curricular outcomes. The course is very hands-on and the students will be able to build projects they can take home. **There is a course fee of \$20 and the students will need to pay for projects not covered in the fee.**

ELECTRONICS/ROBOTICS 30A (EEA30)

Prerequisite: Electricity/Robotics 20 or Department Permission Required

This course builds on outcomes covered in Electronics/Robotics 10 and 20. The students will need to be able to read complex schematic diagrams, program using the Arduino IDE as well as work through challenges using a variety of sources. The students are self-directed, working to integrate course specific objectives into their project(s). **There is a course fee of \$20 and the students will need to pay for projects not covered in the fee.**

ELECTRONICS/ROBOTICS 30B (EEB30)

Prerequisite: Electricity/Robotics 30B or Department Permission Required.
Recommended: Electronics 30A

This is an advanced course meant to explore their interests based on course themes. The projects challenge multiple course outcomes and could include a design element. The students can use this course to build the project they explored and prototyped in the ELECTRONICS/ROBOTICS 30A. **There is a course fee of \$20 and the students will need to pay for projects not covered in the fee.**

TECHNOLOGY (continued)

GRAPHIC ARTS 20

(GRA20)

Prerequisite: Photography 10 (PHO10) or Department Permission is Required. Students explore the design process and learn the elements and principles of design to understand what makes a design successful. Projects may include logo design, billboard design, 3-D packaging, poster design, and some sort of print making. A basic understanding of Photoshop is required. **There is a class fee of \$20.**

GRAPHIC ARTS 30

(GRA30)

Prerequisite: Graphic Arts 20 (GRA20) or Department permission is required. Participants will further their development of techniques in computer programs and style in Graphics 30. Building confidence with Photoshop and Illustrator, while utilizing a tablet for digital drawing. This course will provide students with a solid foundation should they decide to pursue a career in Graphic Design. Book covers, illustration, advertising, brand promotion, printmaking, and yearbook layout are some areas that will be explored. Students must have experience with Photoshop. **There is a class fee of \$20.**

MACHINING 10

(MAC10)

Prerequisite: None. This course provides students with a hands-on, project based, approach to learning. Students learn to use a variety of machine shop tools and equipment to measure, cut, shape, mill, and fasten metal. Computerized Numerical Control (CNC) milling is introduced. A variety of student projects are created. **There is a class fee of \$15.**

MACHINING 20

(MAC20)

Prerequisite: MAC10 or Department Permission Required. In this course, students build on the outcomes from the 10 level, developing their machining skills through the creation of intermediate level projects. CNC milling, programming, and operation is incorporated in components of projects. **There is a class fee of \$10.**

MACHINING 30

(MAC30)

Prerequisite: MAC20 or Department Permission Required. Students learn to plan and perform advanced machining processes with a high degree of precision. CNC milling is utilized at a higher level. Personal projects of greater complexity are created. **There is a class fee of approximately \$10.**

MECHANICS 10

(MEC10)

Prerequisite: None. MEC10 is intended to be an introduction to mechanics and fundamental engine theory. It is broken up into sections that consist of single cylinder small engine building, used car study project, scratch removal and polish, tire mounting, and balancing. Students are expected to work collaboratively while independently submitting their assignments.

MECHANICS 20

(MEC20)

Prerequisite: Mec10 or Department Permission is Required. MEC20 is an introduction to mechanics in an automotive shop setting. Theory instruction is followed with applied learning in the shop setting. Students work in small groups collaboratively in a service bay on a specific job for a vehicle until it is complete. They will continue that process, working on a variety of vehicles and jobs throughout the semester. Students can bring in their own vehicles on a scheduled basis to have them worked on by students. The main automotive systems covered include hydraulics, brakes, steering, cooling, exhaust, and entry level diagnostics.

MECHANICS 30A

(MEA30)

Prerequisite: Mec20 or Department Permission Required. MEA30 is a continuation of Mechanics 20 in how the class is structured and operated, therefore it is expected that students have completed Mechanics 20 prior to starting Mechanics 30. They will continue to work collaboratively in service bays on jobs or projects and can schedule their own vehicle to be brought into the shop. The theory portion of the course will focus on batteries, electronics, starting systems, ignition, fuel systems, and emission systems.

MECHANICS 30B

(MEB30)

Prerequisite: MEA30 or Department Permission Required. MEB30 is a course for students who have completed Mechanics 30A as it builds on that knowledge and experience. Students taking this course should expect to be challenged in terms of mechanical concepts and practical abilities. Mechanics 30B will focus on engines and drivelines. Students are expected to be proficient in the use of applied problem-solving while using electronic service manuals and diagnosing equipment. This course would suit a student who could see a potential career path in mechanics.

PHOTOGRAPHY 10

(PHO10)

Prerequisite: None. This is an introductory course into the world of photography and graphic design. You will explore both technical and aesthetic aspects of photography compositional guidelines, reading light, and an introduction to Photoshop as a powerful tool to enhance and create exciting and dynamic images. Students will create a variety of original digital images. **There is a class fee of approximately \$25. Access to a digital camera would be an asset.**

PHOTOGRAPHY 20

(PHO20)

Prerequisite: Photography 10 (PHO10) or Department permission is required. This class builds on the foundational objectives of Photography 10. Knowledge of camera controls and some Photoshop skills are necessary. We will explore lenses, filters, studio lighting, photo editing and manipulation. Participants will build a portfolio of original work including portraiture, studio lighting, landscapes, and special effects to demonstrate how aesthetic and technical choices will affect the final image. **There is a class fee of approximately \$25. Access to a digital camera would be an asset.**

TECHNOLOGY (continued)

PHOTOGRAPHY 30

(PHO30)

Prerequisite: Photography 20 (PHO20) or Department permission is required. Further exploration of dynamic image making! In Photo 30, the participants will expand their technical skills while exploring commercial, artistic, and experimental avenues of the photographic world. In Photo 30 students will also learn the process of film and developing in the darkroom. There is increased emphasis on individual interests and choice as students create a portfolio of their own work.

There is a class fee of approximately \$25. Access to a digital camera would be an asset.

WELDING 10

(WLD10)

Prerequisite: None

Students learn to weld utilizing Oxy-Acetylene welding and cutting, Plasma cutting, Shielded Metal Arc Welding (SMAW), and Gas Metal Arc Welding (GMAW) processes. Students learn safety and the proper use of hand tools and equipment prior to the commencement of welding. Students perform a variety of welds and cutting operations meeting the outcomes of the curriculum. Upon completion of the compulsory welds, a variety of teacher directed projects are created.

There is a class fee of \$15.

WELDING 20

(WLD20)

Prerequisite: WLD10 or Department Permission Required.

Students develop an intermediate level of competence in Oxy-Acetylene welding and cutting, Plasma cutting, Shielded Metal Arc Welding (SMAW), and Gas Metal Arc Welding (GMAW). Students are introduced to Tungsten Inert Gas welding (TIG). Students perform a variety of welding and cutting operations meeting the outcomes of the curriculum. Upon completion of the compulsory welds, teacher directed and student designed projects are created.

There is a class fee of \$15. Students are required to pay for personal projects.

WELDING 30

(WLD30)

Prerequisite: WLD20 or Department Permission Required.

Students develop an advanced level of competence in Oxy-Acetylene welding and cutting, Plasma cutting, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), and Tungsten Inert Gas welding (TIG). Upon completion of the compulsory welds, students design and create a personal project(s).

There is a class fee of \$15. Students are required to pay for personal projects.

WELDING B30

(WLDB30)

Prerequisite: WLD30 or Department Permission Required.

This course is a continuation of the Welding 30. Students complete several compulsory welds, design and create a personal project(s), and participate in building and designing major class projects (like trailers and other large projects).

There is a class fee of \$15. Students are required to pay for personal projects.

**Information related to career and
post-secondary education is available in Student Services.
Stop in and book an appointment with a counsellor.**

FRENCH IMMERSION

Programming in Grades 10 to 12

Overview for FRA 10/20/30

Français immersion 10/20/30 are renewed programs. Each course focusses on 5 domaines: *Valorisation de la langue et la culture francophone*, *Compréhension orale*, *Compréhension écrite*, *Production orale*, and *Production écrite*. The contexts are : *Racines et identité*, *Pouvoir et responsabilité*, and *Défis et espoir*.

FRANÇAIS 10

Préalable: Français 09(A et B)

Les buts de ce cours incluent l'identité francophone au Canada, les champions et les héros, et le voyage et l'aventure. Les évaluations incluent l'exploration des nouvelles et des émissions de télévision, la lecture et l'écoute des histoires, et les évaluations orales.

This course focuses on Francophone identity in Canada, champions and heroes, and travel and adventure. Some assessments include exploring news and TV programs, reading and listening to stories, and public speaking.

(FRA10F)

FRANÇAIS 30

Préalable: Français 20

Les buts de ce cours incluent l'identité linguistique, se réaliser dans le monde, et les défis et les espoirs. Les évaluations incluent le théâtre, un roman, la poésie, les documentaires, une analyse littéraire, une lettre formelle, et les évaluations orales.

This course focuses on linguistic identity, finding oneself in the world, and challenges and hopes. Some assessments include theatre, a novel, poetry, documentaries, a literary analysis, a formal letter and public speaking.

(FRA30F)

FRANÇAIS 20

Préalable: Français 10

Les buts de ce cours incluent l'identité francophone mondiale, le pouvoir et le changement, et le conflit et la résolution. Les évaluations incluent visionner les films, écouter de la musique, lire un roman graphique et traditionnel, écrire une lettre informelle, et les évaluations orales.

This course focuses on Francophone identity in the world, power and change, and conflict and resolution. Some assessments include watching movies, listening to music, reading a graphic and a traditional novel, writing an informal letter and public speaking.

(FRA20F)

HISTOIRE 10

Préalable : Sciences humaines 09

Ce cours examine la prise de décisions politiques et économiques, les relations internationales et les idéologies principales du 19^e siècle. Les événements abordés incluent la Renaissance, l'exploration, la Révolution française et Napoléon, la Révolution industrielle et les causes de la Première Guerre mondiale.

This course examines political and economic decision-making, international relations and the principal ideologies of the 19th century. Events covered include the Renaissance, exploration, the French Revolution and Napoleon, the Industrial Revolution, and the causes of the First World War.

(HIS10F)

FRANÇAIS INTÉGRÉ A20 et B20

Préalable: Français 10

Les élèves suivent FIA en 11^e année et FIB en 12^e année. Ces cours intègrent l'étude de la langue française aux autres disciplines. En FIA, les élèves étudient la cinématographie et la sociologie. En FIB, les élèves étudient la sensibilisation médiatique et l'entrepreneuriat. Le travail en équipe et les projets sont essentiels à ces cours.

Students take FIA in grade 11 and FIB grade 12. These courses integrate the study of language with other disciplines. In FIA, students study cinematography and sociology. In FIB, students study media awareness and entrepreneurship. Group and project work are essential to these courses.

(FIA20F et FIB20F)

HISTOIRE 20

Préalable: Histoire 10

Ce cours porte sur la Première Guerre mondiale, le totalitarisme, la Deuxième Guerre mondiale, la Guerre froide et le monde moderne.

This course focuses on the First World War, the rise of totalitarian states, the Second World War, the Cold War, and the Modern World.

(HIS20F)

SCIENCES SOCIALES 30

Préalable: Histoire 20

Ce cours porte sur l'évolution politique, économique et sociale du Canada. La dualité culturelle et les rapports internationaux du Canada sont aussi considérés.

The Grade 12 course is mainly a study of Canada's political, social, and economic evolution. Cultural duality and Canada's international relations are other important themes.

(SOC30F)

FRENCH IMMERSION (continued)

French Immersion Students in Grade 12 may wish to take both thirty level English classes to meet certain post secondary requirements.

FONDEMENTS de MATHÉMATIQUES et PRÉ—CALCUL 10 (MFP10F)

Préalable : Mathématiques 9

Ce cours fournit aux élèves les habiletés et les compétences de mathématiques et de pensée critique pour l'entrée à la plupart des programmes d'études supérieures. Les matières étudiées incluent : la mesure, la trigonométrie, les exposants, les polynômes, la factorisation, les nombres irrationnels, et les relations et les fonctions.

This course provides students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs. Topics include: measurement, trigonometry, exponents, polynomials, factoring, irrational numbers, relations, and functions.

FONDEMENTS de MATHÉMATIQUES 20 (MAF20F)

Préalable: Fondements de Mathématiques 10

Ce cours fournit aux élèves les habiletés et les compétences de mathématiques et de penser critique pour l'entrée aux programmes d'études supérieures qui n'ont pas besoin d'étude de calcul théorique. Les matières étudiées incluent le raisonnement logique, le raisonnement proportionnel, la géométrie, la trigonométrie, l'algèbre, la probabilité et les statistiques.

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include: logical reasoning, proportional reasoning, geometry, trigonometry, algebra, probability and statistics.

FONDÉMENTS de MATHÉMATIQUES 30 (MAF30F)

Préalable: Fondements de Mathématiques 20

Ce cours aide les élèves à approfondir les connaissances mathématiques et le raisonnement critique nécessaire pour les études postsecondaires qui ne nécessitent pas les calculs théoriques. Les thèmes incluent la comptabilité, le raisonnement, les principes de dénombrement, la probabilité et les fonctions (polynomiales, périodiques, logarithmiques et exponentielles).

This course helps 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. Topics include: financial decision making, logical reasoning, counting principles, probability, polynomial functions, periodic functions, logarithmic, and exponential functions.

SCIENCES 10F (SCI10F)

Préalable: Sciences 09F

Ce cours entame la chimie des mélanges et des solutions, l'inscription des formules, le changement climatique la dynamique des écosystèmes, le mouvement et la force dans notre monde. Les concepts ci-dessus sont appliqués dans des activités pragmatiques et de laboratoire.

A laboratory, hand-on approach is used in the course to cover a variety of science topics in biology, chemistry, physics, and general science. Topics include: chemical reactions, motion, weather, and ecosystems.

French Speaking Nations





OUR VISION
Every Student is
Known • Valued • Believed In



**ACADEMIC
EXCELLENCE**

Students will
achieve success in
their learning goals



CHARACTER

Students will
demonstrate respect,
responsibility, and
perseverance



ENGAGEMENT

Students will actively
participate in relevant
and meaningful
learning

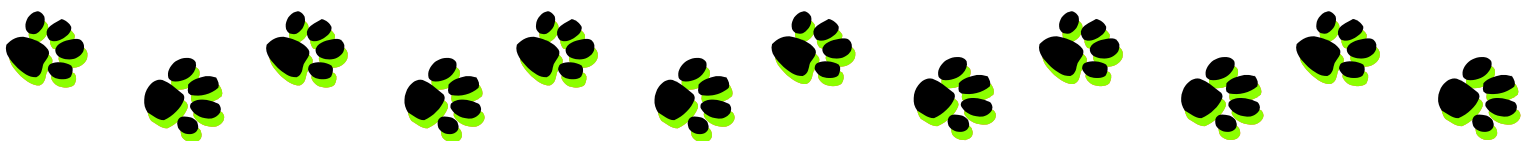


WELL-BEING

Students will develop
the skills to make
healthy choices

OUR COMMITMENT

We will create learning experiences that inspire
all students to reach their potential.





WALTER MURRAY COLLEGIATE

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