



FATHER PATRICK
MERCREDI
COMMUNITY HIGH SCHOOL

School
Handbook
2024 | 2025

CONTACT

Information

PHONE

(780) 799-5725

EMAIL

fm@fmcsd.ab.ca

WEBSITE

fathermercredi.fmcschools.ca

LOCATION

455 Silin Forest Rd Fort McMurray, AB, T9H 4V6

Administration

Principal: **Lisa Miller**

lisa.miller@fmcsd.ab.ca

Vice Principal: **Jamie MacNeil**

jamie.macneil@fmcsd.ab.ca

Vice Principal: **Jana Slaney**

jana.slaney@fmcsd.ab.ca

Vice Principal: **Shannon Pleshka**

shannon.pleshka@fmcsd.ab.ca

Athletic Director

Brent Easton

brent.easton@fmcsd.ab.ca

School Handbook

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School VISION

MISSION STATEMENT

Father Mercredi students will learn in a safe and caring environment where they will gain the knowledge, skills, and Christian values that will enable them to strive for personal excellence and to use their talents to successfully meet the challenges of our world with hope and grace.

OUR SCHOOL PHILOSOPHY

Father Mercredi Catholic Community School is a Roman Catholic school with students from Grade 7 – 12. Father Patrick Mercredi Catholic Community School holds the philosophy of teaching all students. This includes all levels of academic ability, all ethnic groups, and all faith backgrounds. We also believe in offering students opportunities to gain a well-rounded educational experience through academics, sports, skilled trades, the Fine Arts, and community service.

About MERC

OUR SCHOOL HISTORY

Our school was named after a resident of Fort Chipewyan, Father Patrick Mercredi, who was known as a fiery athlete, a dedicated coach, a quiet artist, and a hard-working community leader.

On August 15, 1934, Father Mercredi was ordained in Fort Chipewyan, the second Indigenous priest in the Province of Alberta. After working with Cree tribes in Saskatchewan and Alberta from 1935 to 1938,

Father Mercredi came to the Fort McMurray region, and he served in settlements along the rail line between here and Lac La Biche from then until 1970.

Father Mercredi passed away one day before the school's official opening on November 1, 1982. He was loved in this community by young and old alike, and through our School, he will be continually remembered for his contributions to Fort McMurray. Father Mercredi Catholic Community School became the first Catholic high school in the city of Fort McMurray.

Message of the **PRINCIPAL**



Dear Father Mercredi Family,

I am currently blessed to be the principal of Father Patrick Mercredi Catholic School, which is located on Treaty Eight Territory. I am thankful for each day as it offers the honour and privilege to welcome students, staff, parents, Elders and various visitors to our Catholic School Community.

Father Mercredi School has a tradition of providing a high-quality Catholic Education to all of our students. Father Patrick Mercredi School practices an inclusive education system that promotes the acceptance of all students regardless of backgrounds, needs or abilities. We firmly believe that every student can learn and reach their full potential given opportunity, effective teaching, and appropriate resources.

As a Catholic School, we desire to teach our learners to realize the fullness of humanity where Jesus Christ is our model. Through a variety of programs like “Santas Anonymous” and “Charity Challenges,” we live out our calling to serve humanity, and to support the less fortunate in our community.

Father Patrick Mercredi Catholic School offers challenging academic programs, numerous CTS electives, a successful support centre, athletic academies, various extra-curricular athletics, and numerous clubs and activities.

We are very blessed with talented and dedicated staff who are always eager to help our students reach their potential. Each of our staff members works with our diverse group of students to achieve their goals and to fully realize their emotional, social, physical, spiritual, academic, and personal capabilities.

In the coming 2024-2025 school year, we pray that God will bless all members of the Father Patrick Mercredi School Community and guide us to be everything we are designed to be.

God Bless,

Lisa Miller
Principal

STUDENT LEADERSHIP INITIATIVES

Santas Anonymous



Charity Challenges



Father Mercredi Service Group



Santas



Anonymous

Santas Anonymous is a community service group that is synonymous with Father Patrick Mercredi Community High School.

Our students and staff have been working as a generous collaborative team to ensure families in need receive assistance at Christmas since 1984.

Students grow their confidence, ability to network, spark their creativity through fun and fundraising events, hone their ability to public speak and use both written and social media platforms to spread their positive message.

The skills students acquire through this program while also balancing their academics are invaluable. Santas Anonymous is a program that sets our students on a path to be strong, empathetic leaders in our community and the world.

This unique program is 100% volunteer based and provides our students the chance to be leaders as they learn about the needs of others and work hard to raise money, organize events, and fill hampers. As students meet the enormous task of supporting hundreds of families each year, they are mentored by staff and members of the community.

Charity **CHALLENGES**



At Father Mercredi, we value acts of service and recognize that our students can be powerful agents of positive change. Our student Trappers regularly lead initiatives that make a significant impact on our community and our world. Students have led successful campaigns for local organizations such as the SPCA, the Food Bank, and Waypoints to name a few. They have also raised funds for national and international causes such as "Water First" and "Spread The Net".



The Father Mercredi Service group travels to developing countries during spring break to work on sustainable volunteer projects that help to make a long-lasting difference for those in need. Students meet throughout the year to prepare for the trip: learning about service opportunities locally, provincially and globally, as well as how to be safe and effective travelers.

Once at our destination, we work with local in-country non-profit agencies on projects such as building homes, classroom, and kitchens.



A key priority for the district in the area of Indigenous education is improvement of educational achievement among First Nations, Metis, and Inuit students through meaningful educational opportunities from kindergarten through Grade 12. (AP 203)

Indigenous EDUCATION & CULTURE

At Father Mercredi, our Indigenous Liaisons support students in their educational journey through individual and group guidance sessions, electives such as Indigenous Cultural studies, participation in the Traditional Ceremony of Achievement and hosting First Nations, Metis, and Inuit family feasts in collaboration with community members. Our liaisons work with our educators to provide academic support and resources, infusing Indigenous culture into the classroom through activities and guest presenters.

Examples include cultural tours, guest speakers, and post-secondary school visits as well as creating opportunities for students to participate in Elder Gatherings.



Learning SUPPORT SERVICES (Student Services)

The student services department provides counselling services and academic support programming.

Counsellors will see students to discuss personal/social counselling (personal conflicts, mediation and referrals to outside agencies), career counselling (career planning and pathways exploration) and educational programming (course registrations and timetable conflicts).

Classroom support teachers work with students individually to discuss their academic supports required and collaborate with classroom teachers to ensure appropriate accommodations are provided.

Lastly, CSTs co-ordinate psycho-educational testing when needed.

Classroom Support Teachers

Cassandra Kennedy
cassandra.kennedy@fmcsd.ab.ca

Meghan Morrison
meghan.morrison@fmcsd.ab.ca

Counsellors

Shavonne Wilson
shavonne.wilson@fmcsd.ab.ca

Erin Martens-Walsh
erin.martenswalsh@fmcsd.ab.ca

Student Services Administrator

Maria Kirui
maria.kirui@fmcsd.ab.ca

Off-campus coordinator

Kim Fitzpatrick
kim.fitzpatrick@fmcsd.ab.ca

Flex BLOCK

Students at Father Mercredi have access to their teachers on a daily basis during their lunch period for extra support and/or to enhance their learning experience. Teachers have time within their schedule allotted for additional student learning and to provide small group instruction with core curricular materials. It is strongly encouraged that students prepare for flex time and use it consistently throughout their high school career.



Admission PROCEDURES

1 Go to our website:
<https://fmcschools.ca>

2 If residing with a guardian, proper documentation from parents/Children's Services must be submitted with the application.

3 Transcript/report card from the last school attended **MUST** be included with the application. If you do not have one available, please contact the previous school and have them email a copy to fm.studentservices@fmcsd.ab.ca

4 Include a of Birth Certificate or other Canadian Government issued identification.

5 Include immigration Status if applicable - Permanent Residents status, parents' work permit, etc.

6 Email all documents to the student services office at fm.studentservices@fmcsd.ab.ca
If you have completed an on-line registration you will receive a confirmation email.

7 Meet with Vice Principal.

8 Once all information has been collected, you have met with a Vice Principal and have been accepted, High School students will meet with a counselor to discuss courses.

9 Please see the main office to discuss fees, locker, and transportation.

Middle School REGISTRATION

Students registering from FMCS

1. Students will complete the registration online.

Students registering outside of FMCS

1. Parents/guardians complete registration form online.

2. Copy of Transcript/Report Card and Birth Certificate accompanies registration.

3. Meeting with Vice Principal

Students registering from outside of the country

1. Parents/guardians complete registration form online.

2. Copy of Transcript/Report Card and Birth Certificate accompanies registration.

3. Copy of Permanent Resident Status accompanies registration.

4. Meeting with Vice Principal

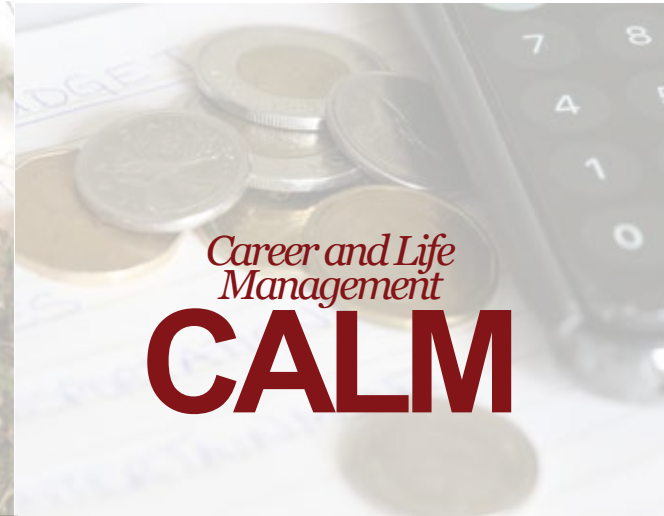
***If you have any questions,
please contact Student Services –
780-799-5730 or fm.studentservices@fmcsd.ab.ca***

CORE

Subjects

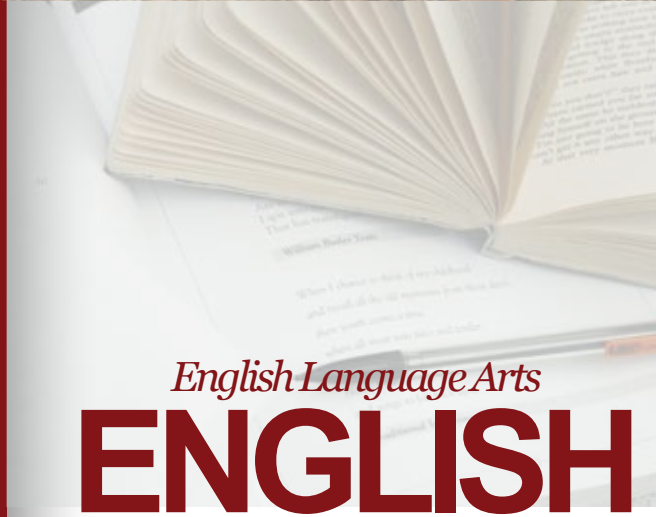


RELIGION



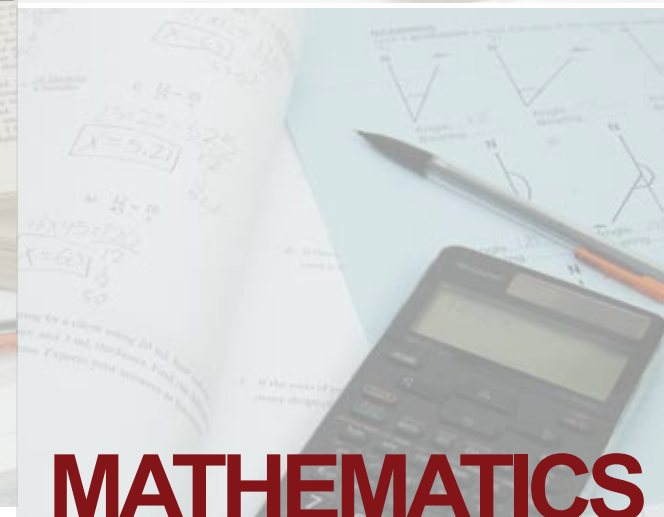
Career and Life Management

CALM

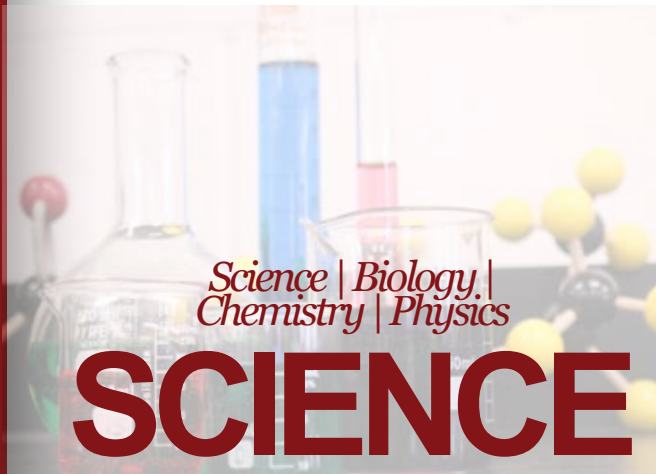


English Language Arts

ENGLISH

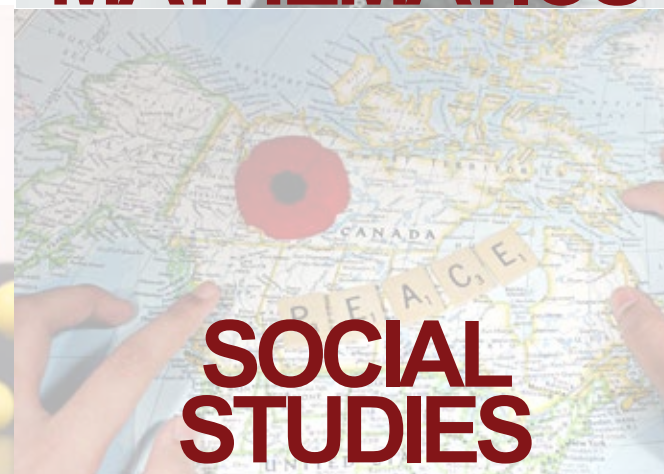


MATHEMATICS



*Science | Biology |
Chemistry | Physics*

SCIENCE



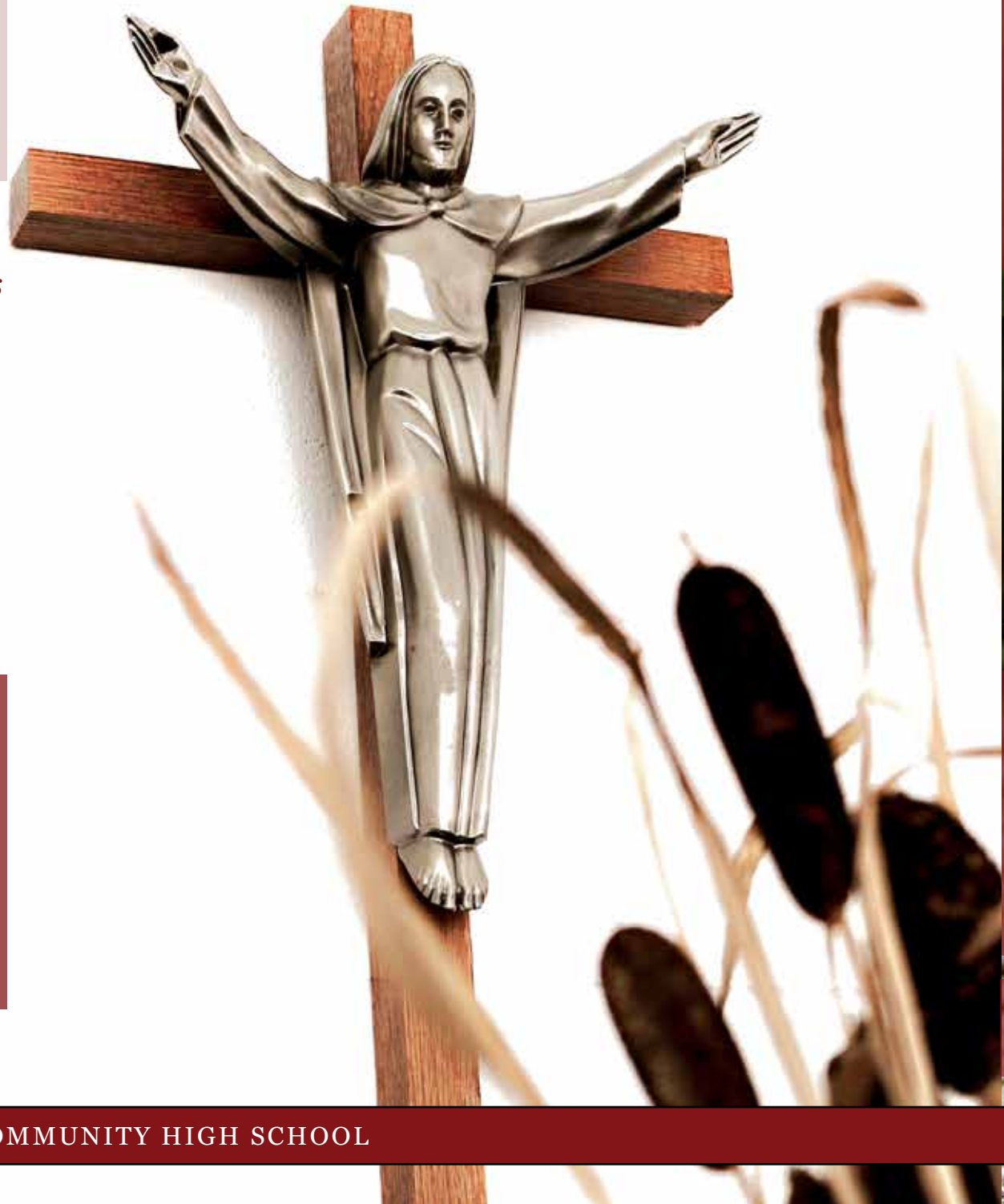
**SOCIAL
STUDIES**

RELIGION

At Father Mercredi Community High School our religion programs offer our students the opportunity to learn how a study of their faith can enrich their lives and guide them toward moral decision making. Students at Father Mercredi not only share their faith in a classroom setting, but also through liturgies, morning prayer, and school masses.

COURSES OFFERED:

*Religion 7
Religion 8
Religion 9
Religion 15 / CALM
Religion 25
Religion 35*



Religion 15 / CALM *(Career and Life Management)*

This will be a combined course with students completing CALM and Religion 15 in the same semester. The aim of high school Career and Life Management (CALM) is to enable students to make well-informed, considered decisions and choices in all aspects of their lives and to develop behaviors and attitudes that contribute to the well-being and respect of self and others, now and in the future. CALM is the core course for health literacy at the senior high school level in Alberta. Throughout Religion 15, students are asked to consider their call to discipleship in relation to our culture. World Religions are examined through the perspective of creation. CALM and Religion 15 are two separate courses that are taught, either, simultaneously or separately (this is up to the teacher's discretion).

Religion 25

Religion 25 invites students to closely examine the life, death, resurrection, and ascension of Jesus Christ. They will deepen their understanding of the joy and sacrifice of discipleship by considering the invitation to seek the Truth in all things, and make decisions based on the love of God, self, and neighbor. In this course, students will have an opportunity to demonstrate their learning, through a variety of print, visual and oral media, and deepen their understanding of the Old Testament, each of the four Gospels as four distinct accounts of the message of Jesus and the role of Paul in the early years of Church development and history.

Religion 35

Religion 35 invites students to explore their creativity in the ways they choose to communicate what they have learned and their response to the call to discipleship. They will explore ethical and moral guides for living and learn that the major life decisions of a disciple of Christ must flow from a living relationship of love with the lord and the wisdom acquired through that relationship. As true disciples, students will strive to live in the world conscious that their choices should be rooted in their relationship with Christ and fidelity to his call. They will focus on making moral and ethical decisions based on Truth.

Grade 12 students have the opportunity to experience a spiritual retreat. Students enjoy this time together as their high school careers are ending and they are beginning to make plans for their future.

ENGLISH

Language Arts (ELA)

Through the High School English stream, one goal is to encourage students' understanding and appreciation of the significance and artistry of literature. A second aim is to enable each student to understand and appreciate language and to use it confidently and competently for a variety of purposes, with a variety of audiences and in a variety of situations for communication, personal satisfaction and learning.

Students will also acquire employability skills: the fundamental, personal management and teamwork skills they need to enter, stay in and progress in the world of work.

Senior high school students must be prepared to meet evolving literacy demands in Canada and the international community. (*Alberta Education*)

COURSES OFFERED:

Grade 10

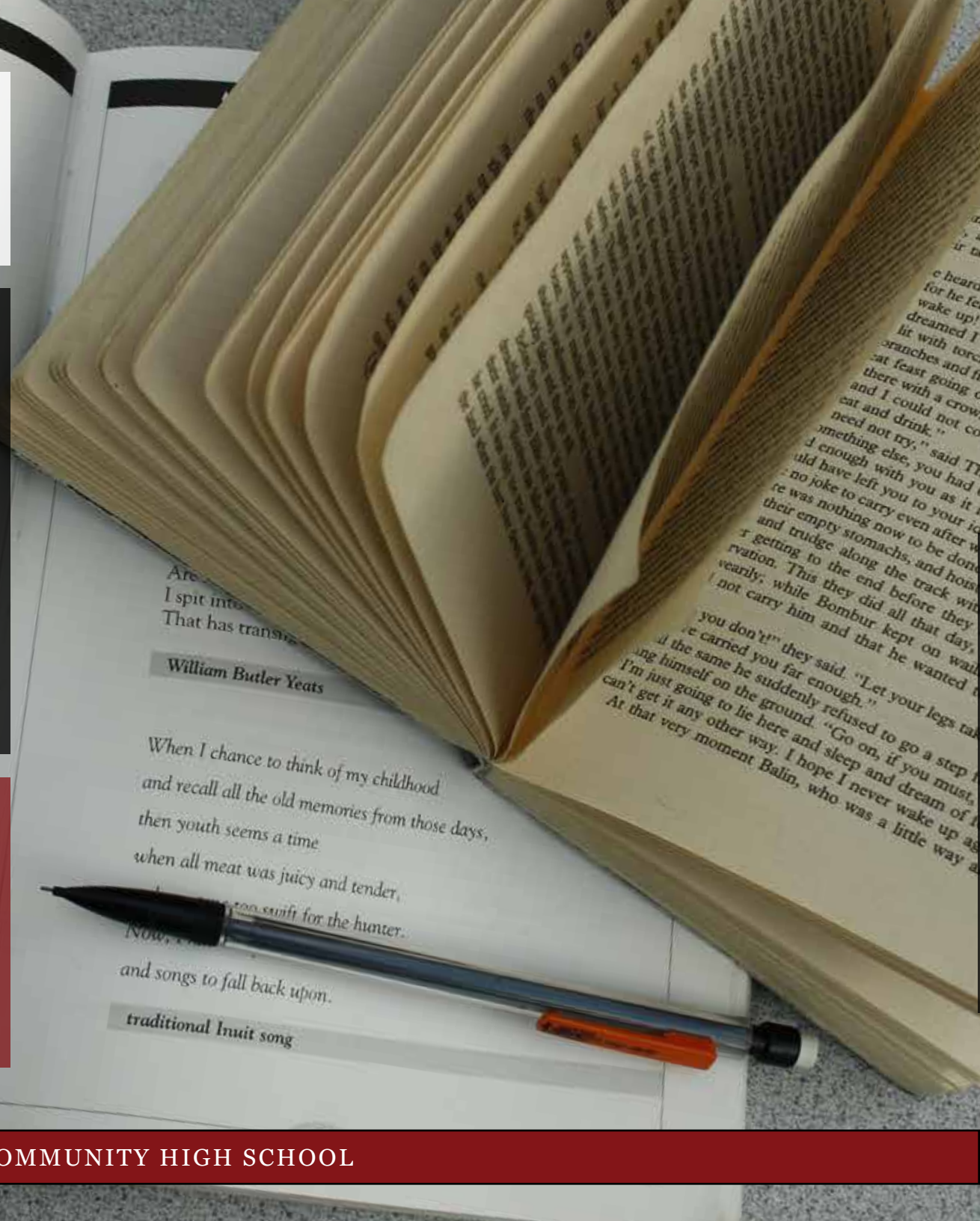
English 10-1 | English 10-2

Grade 11

English 20-1 | English 20-2

Grade 12

English 30-1 | English 30-2



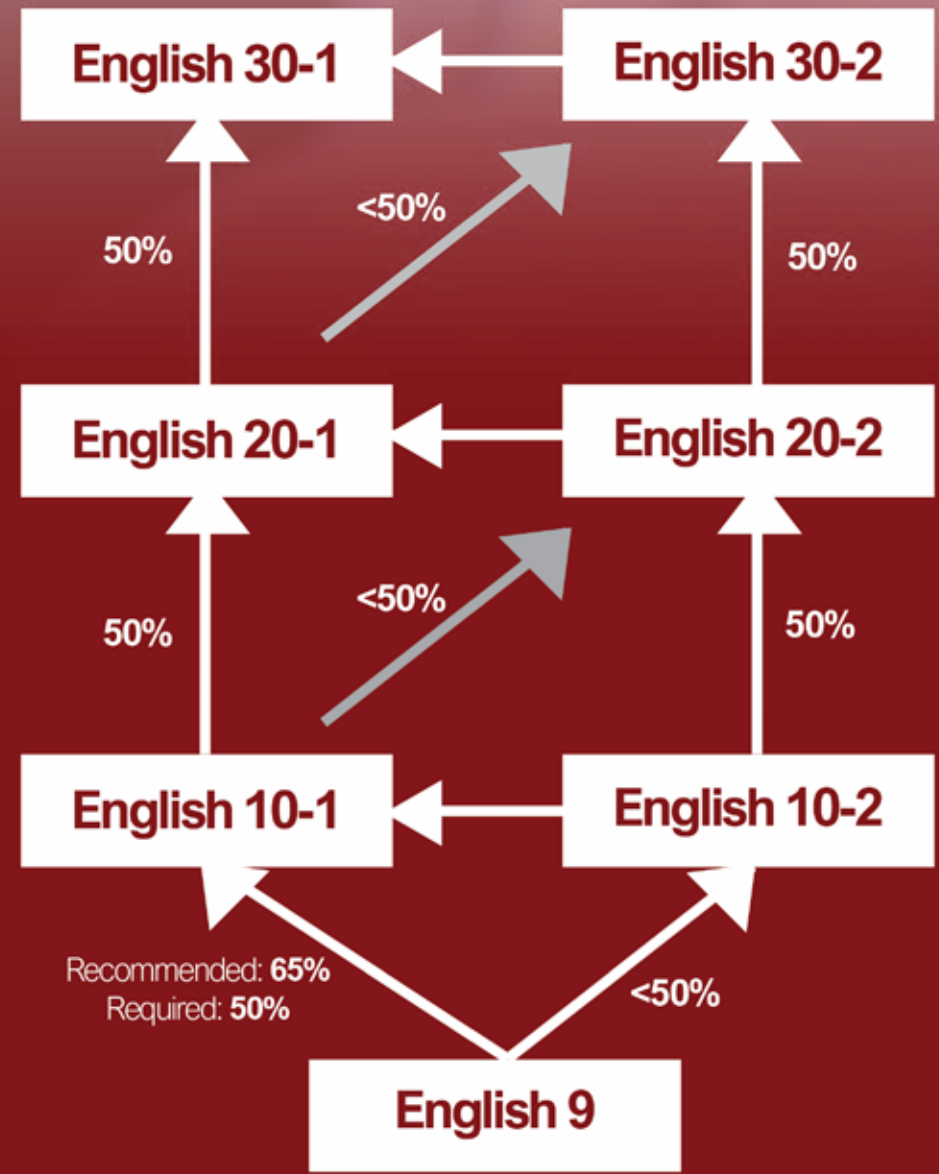
ENGLISH

Language Arts (ELA)

All students are required to take English 30-1 or 30-2 in order to earn their High School Diploma.

All university programs require English 30-1.

Students are encouraged to speak with their counsellor to determine whether -1 or -2 is required for their desired program of study.



SOCIAL STUDIES

Social studies provides opportunities for students to develop the attitudes, skills and knowledge that will enable them to become engaged, active, informed and responsible citizens. Recognition and respect for individual and collective identity is essential in a pluralistic and democratic society. Social studies helps students develop their sense of self and community, encouraging them to affirm their place as citizens in an inclusive, democratic society.

It has at its heart the concepts of citizenship and identity in the Canadian context. The program reflects multiple perspectives, including Indigenous and Francophone, that contribute to Canada's evolving realities. It fosters the building of a society that is pluralistic, bilingual, multicultural, inclusive and democratic. *(Alberta Education)*

COURSES OFFERED:

Grade 10

Social Studies 10-1 | Social Studies 10-2

Grade 11

Social Studies 20-1 | Social Studies 20-2

Grade 12

Social Studies 30-1 | Social Studies 30-2

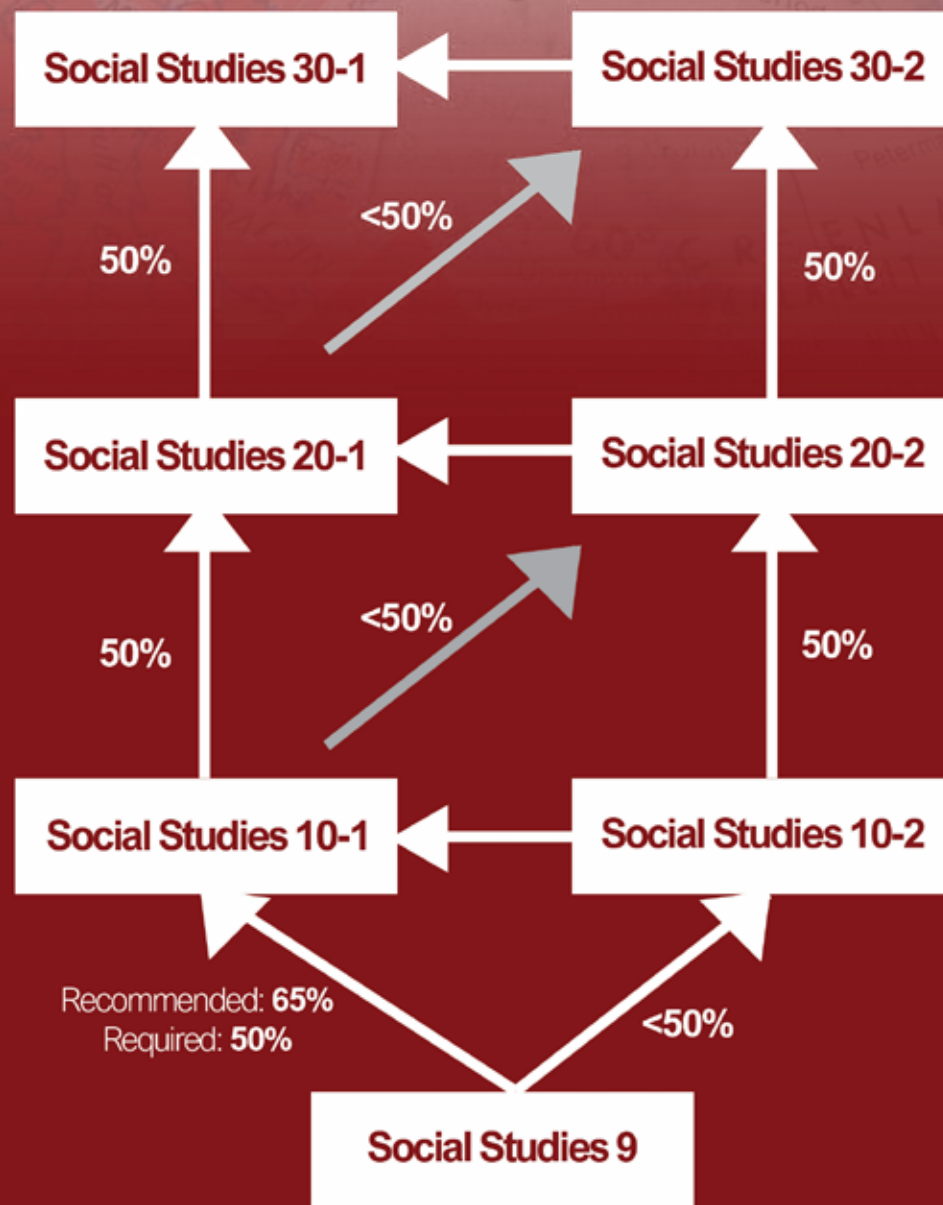
SOCIAL STUDIES

All students are required to take Social Studies 30-1 or 30-2 in order to earn their High School Diploma.

Students are encouraged to speak with their counsellor to determine whether -1 or -2 is required for their desired program of study.

Did you know?

To receive a high school diploma, students must complete either Social 30-1 or 30-2. Both streams can also be used towards achieving a Rutherford Scholarship.



MATHEMATICS

The main goals of the High School Mathematics Courses are to prepare students to solve problems, communicate and reason mathematically, and to make connections between mathematics and its applications. Students become mathematically literate, appreciate and value mathematics and make informed decisions as contributors to society.

Students construct their understanding of mathematics by developing meaning based on a variety of learning experiences. This meaning is best developed when learners encounter mathematical experiences that proceed from simple to complex and from the concrete to the abstract. The use of manipulatives, visuals and a variety of pedagogical approaches can address the diversity of learning styles and developmental stages of students. At all levels of understanding, students benefit from working with a variety of materials, tools and contexts when constructing meaning about new mathematical ideas. Meaningful student discussions also provide essential links among concrete, pictorial and symbolic representations of mathematics. (*Alberta Education*)

COURSES OFFERED:

Grade 10

Math 10C Advanced | Math 10C | Math 10-3

Grade 11

Math 20-1 | Math 20-2 | Math 20-3

Grade 12

Math 30-1 | Math 30-2 | Math 31 (Calculus)



MATHEMATICS

A 20 level Math course will fulfill the High School Diploma requirements. However, post-secondary programs and many trades will require a 30-level Mathematics course.

Students are encouraged to speak with their counsellor to determine which math courses are required for their desired program of study.

-1 strand

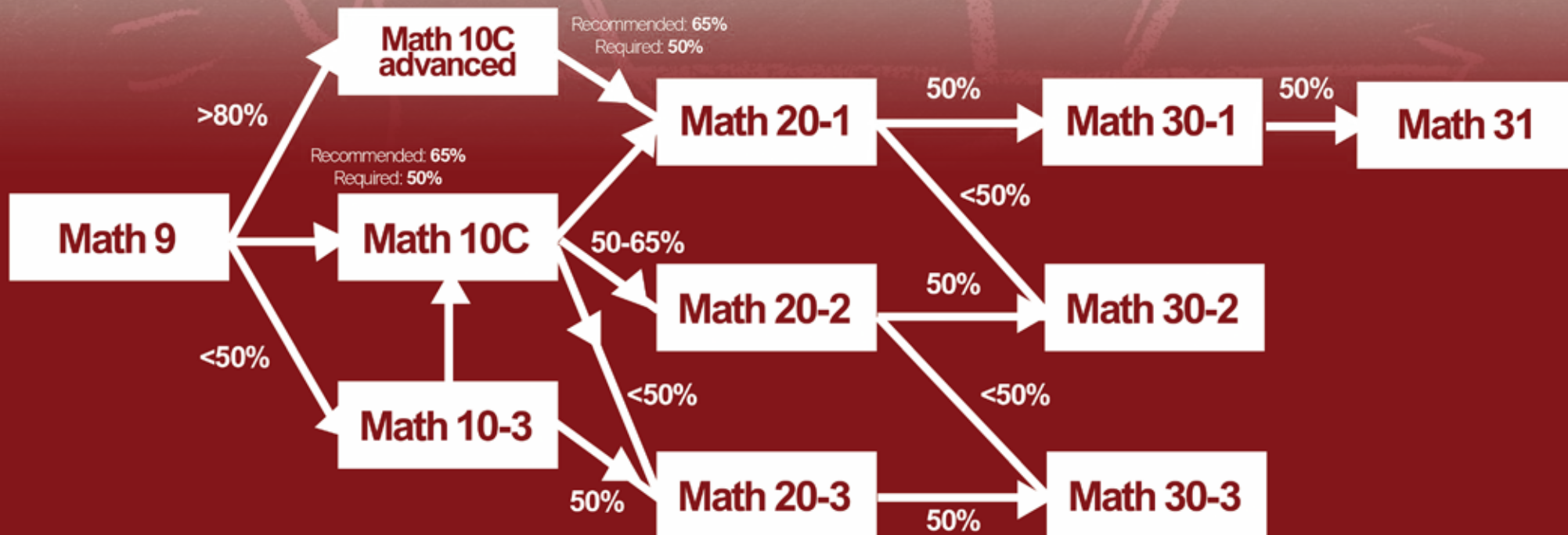
For careers that require the study of calculus.

-2 strand

For careers that require a high level of math but do not require Calculus.

-3 strand

For careers that require basic math skills.



SCIENCE



The secondary science program is guided by the vision that all students have the opportunity to develop scientific literacy. The goal of scientific literacy is to develop the science-related knowledge, skills and attitudes that students need to solve problems and make decisions, and at the same time help them become lifelong learners — maintaining their sense of wonder about the world around them. Diverse learning experiences within the High School Science program provide students with opportunities to explore, analyze and appreciate the interrelationships among science, technology, society and the environment, and to develop understandings that will affect their personal lives, their careers and their futures.
(Alberta Education)

COURSES OFFERED:

Grade 10

Science 10 | Science 14

Grade 11

Science 20 | Science 24

Biology 20 | Chemistry 20 | Physics 20

Grade 12

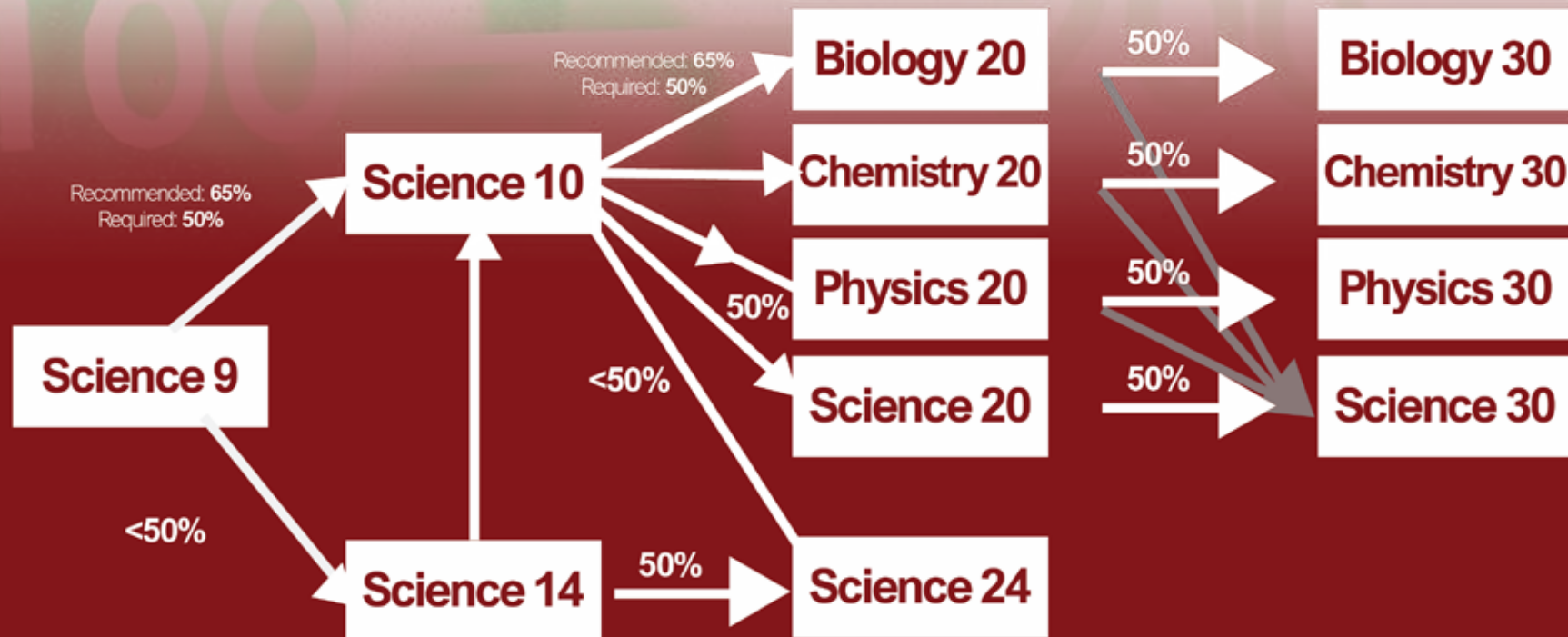
Science 30

Biology 30 | Chemistry 30 | Physics 30

SCIENCE

For a High School Diploma, students require a 20 level Science course. However, post-secondary programs and many trades will require a combination of 2 or 3 30-level Science Courses.

Students are encouraged to speak with their counsellor to determine which science courses are required for their desired program of study.



NOTE: STUDENTS HAVE THE ABILITY TO GO TO SCIENCE 30 WITH ANY 20 LEVEL SCIENCE COURSE.

ELECTIVES

Career & Technology Studies (CTS)

CONSTRUCTION

**COSMETOLOGY &
FASHION STUDIES**

FABRICATION

FOOD STUDIES

INDIGENOUS ENTREPRENEURSHIP

LEADERSHIP

MECHANICS & AUTOMOTIVES

MUSIC

VISUAL ARTS

Science & Technology (CTS)

COMMUNICATION TECHNOLOGIES

COMPUTER SCIENCES

CNC MILLING

ENGINEERING

HEALTH SCIENCES

ROBOTICS & AUTOMATION

SPORTS MEDICINE

**SUSTAINABLE
ENERGY SYSTEMS**

CONSTRUCTION

A photograph of a workshop wall covered in various tools. At the top, several hand saws with different blades are hanging vertically. Below them, a red spirit level is mounted. A wooden shelf holds several blue and orange tape measures. Another shelf below that holds more orange tape measures. To the left, several metal clamps are hanging. At the bottom, a small wooden shelf holds three red apples. The background is a light-colored wooden wall.

Construction

Students in the construction program have the opportunity to investigate and develop important knowledge, skills and attitudes relative to the design, construction and maintenance of buildings and other products. Students will learn how to use hand tools and machinery safely while building an introductory project. Students will develop a drawing, tools and materials lists, material and cost estimates and a procedure list for safely building a project of their own design. Successful completion of courses in this strand is intended to provide students with the skills and experience required for entry-level employment or for further post-secondary education.

Courses in this program are available at both the high school and middle school levels.

COSMETOLOGY



Cosmetology

The Cosmetology program provides students with the opportunity to experience all levels of hair styling and esthetics. In a project-based learning environment, you will work on the forming, finishing and designing of hair, trichology, hairstyling and manicuring. As students work from beginner to advanced levels, the program prepares students towards becoming trained professional hairstylists. It creates a positive fun environment where students receive their training in a fully equipped hair salon.

FASHION STUDIES



Fashion Studies

In the fashion studies program, students discover the world of fashion, textiles, sewing and garment assembly. As students work from beginner to advanced levels, they learn about fashion illustration to create fashion sketches. Students learn how to choose and determine pattern size and make pattern alterations, as well as choose and prepare fabric and pattern for layout. Students apply their sketching techniques and assembly skills to create garments. Students do not have to know how to use a sewing machine to take this class.



FABRICATION

Fabrication

The Fabrication program is based on theory, employability skills and a practical application. Students work at their own pace to complete the necessary components of the program. Students develop basic skills in the safe handling of:

- basic hand tools and materials used in fabrication processes, and safely transform common metals into useful products.
- oxyacetylene equipment.
- Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) processes
- Shielded Metal Arc Welding (SMAW).
- oxyfuel equipment and supplies to braze and fusion weld.
- thermal cutting equipment and supplies.

Courses in this program are available at both the high school and middle school levels.



FOOD STUDIES

Foods and Nutrition

Join us on a culinary adventure exploring a variety of skills required to make snacks, appetizers, baked treats, and meals from around the world. With a focus on hands-on learning, students will develop the technical skills to allow you to cook most anything. Each of the lessons is completed as a class. Course work includes safety, food planning and preparation.

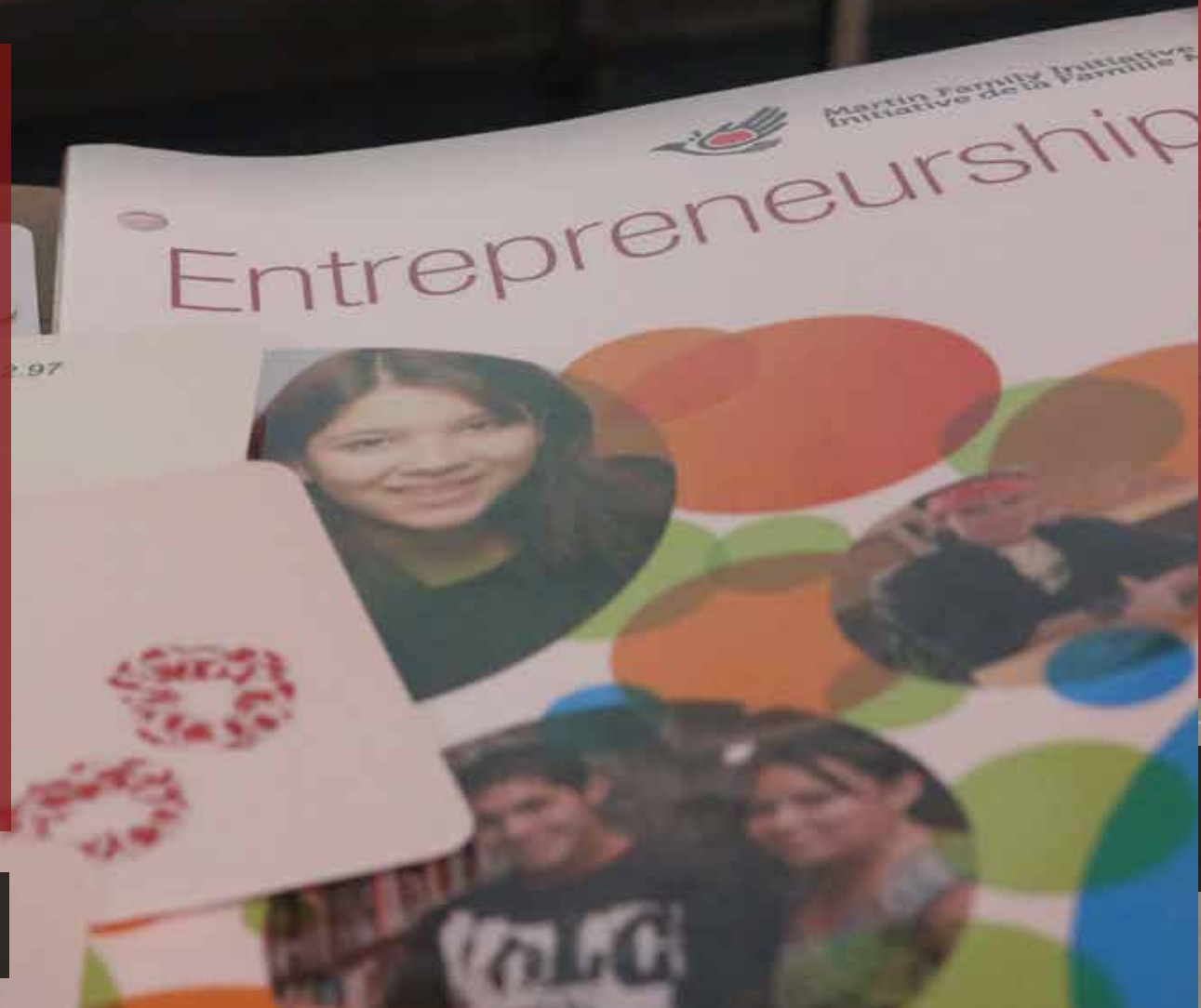
Courses in this program are available at both the high school and middle school levels.

INDIGENOUS ENTREPRENEURSHIP

Indigenous Entrepreneurship

Indigenous Entrepreneurship focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. During this course, students will create business plans for their own ventures. Through hands-on experiences, they will have opportunities to develop the values, characteristics, and skills often associated with successful entrepreneurs. In the introductory level of the course, students will participate in hands-on activities designed to teach them the principles of developing and operating a business and the final activity is a Business Plan Presentation.

Courses in this program are available at the high school level only.



LEADERSHIP

A photograph of a school hallway. On the right side, there are rows of blue and green lockers. The hallway is brightly lit by fluorescent lights on the ceiling. At the end of the hallway, there is a red "EXIT" sign above a doorway. The floor is polished and reflects the lights.

Leadership

The leadership program at Father Mercredi High School is focused on developing both individual and collective leadership skills with a focus on school-based initiatives. Students will be given opportunities to explore and strengthen their own leadership styles and develop an understanding of the need for community service as part of their overall civic and professional responsibilities. The course will also give the students an opportunity to develop and lead a variety of activities in and around the school community.

Courses in this program are available at both the high school and middle school levels.



MECHANICS & AUTOMOTIVES

Mechanics and Automotives

In the Mechanics program, students have the opportunity to increase their knowledge and skills related to the maintenance of vehicles through hands-on experiences. Whether a student plans to prepare for a workplace role in the industry or wants to simply be an informed owner of a vehicle, the mechanics program can be very useful.

Courses in this program are available at both the high school and middle school levels.

MUSIC

A photograph of various musical instruments including a saxophone, clarinet, trumpet, and flute. The instruments are arranged vertically, with the saxophone on the left, the clarinet in the center, and the trumpet and flute on the right. The background is a blurred indoor setting, likely a music room.

Instrumental Music

This course is designed for students who have achieved a level of proficiency in instrumental music or who have participated in the Middle School Band Program. Emphasis will be placed on tone, blend, balance, technique, interpretation, theory and history. Working together as a team is stressed. Concerts, festivals and tours are among the opportunities for students. In high school, this course is combined with Religion so that the student receives both of these subjects all year, every second day.

Courses in this program are available at both the high school and middle school levels.

VISUAL ART

The visual arts program involves students learning and developing technical skills, exploring various forms of artistic expression and learning the vocabulary needed to properly evaluate and critique works of art.

Students explore various forms of visual art including drawing, painting, and sculpture. Students learn technical skills related to various mediums, as well as, compositional skills related to the elements and principles of design. As students move from beginner to advanced levels, they will learn to self-select medium to explore and create projects to express their own thoughts ideas, and experiences.

Courses in this program are available at both the high school and middle school levels.

COMMUNICATION TECHNOLOGIES

CommTech

This course introduces students to communications technology from a media perspective. Students will work in the areas of photography, animation, videography and graphic design. Students will learn about creating and manipulating both raster and vector graphics. Students can also choose to complete courses in motion graphics, learning to create and edit both animation and live action video productions. As part of this course, students will participate in projects connected to the community. Successful completion of courses in this strand is intended to provide students with the skills and experience required for entry level employment or for further post-secondary education.

Courses in this program are available at both the high school and middle school levels.



COMPUTER SCIENCES

Network Academy - IT Essentials

This course covers the fundamentals of PC computer technology, networking, and security. The curriculum offers the following features:

- Students develop a working knowledge of digital technology
- Hands-on labs and Virtual Laptop and Desktop learning tools help students develop critical thinking and complex problem-solving skills for workstation technology and operations.

Computer Sciences

In this course, students learn valuable computer skills such as programming and 3D modelling. As part of the IT program, students continue to learn the fundamentals of being a computer technician.

Students in this program can write the A+ certification exams (part 1), as well as the part 2 exam to become a certified computer technician. Students can also write the PCAP exam and to become certified associate python programmers.

Students work meticulously to continue to upgrade and maintain the computer lab – assembling new computers for the lab and switching most computers to the Linux operating system to provide a stable and more cost-effective platform for our open-source programs. IT students also help migrate computers from other parts of the school, to help and support students in need. Approximately half a dozen students from Father Mercredi were able to get a free home computer do to our recycling efforts, as the IT program securely prepared old school computers to be distributed to those in need.

Courses in this program are available at both the high school and middle school levels.

CNC MILLING

CNC Milling

The CNC Milling course is for students interested in CNC Machining and Milling. It is recommended students have taken a CAD or CAM course prior to enrolling in this course. Students will learn to code using G-Code, a common language used in controlling CNC Machines. Students will also work further with MasterCam CAM software and generate tool paths that will be used to machine components. This course can lead to a certificate from EMCO as well as a Certificate from Amatrol training systems. Students will use the EMCO Concept Mill 105 for this course.

Courses in this program are available at the high school level only.



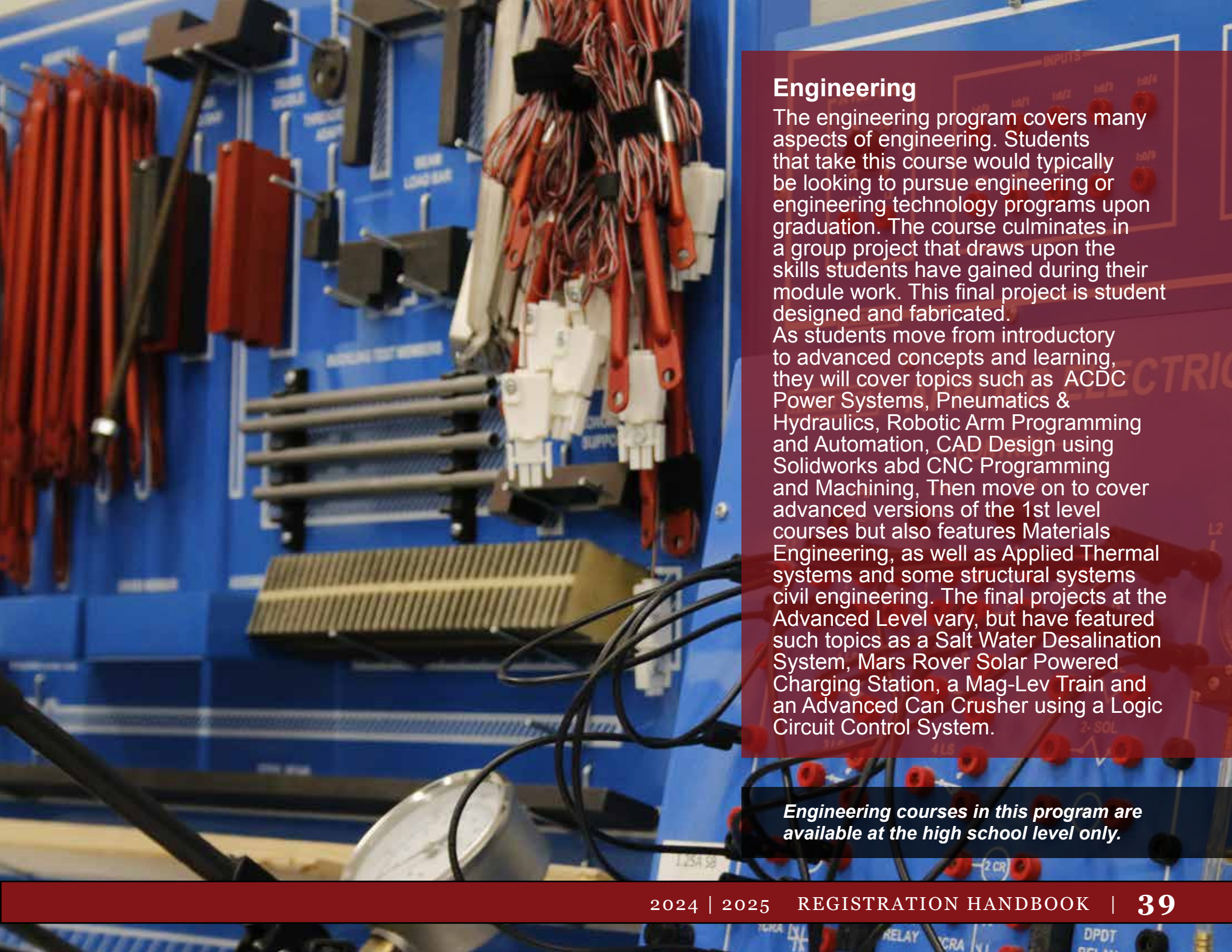
ENGINEERING

Pre-Engineering

This program is focused on the Engineering Design process. Students will be required to engage in STEM projects that aim to challenge their problem solving, critical thinking and fabrication abilities. To facilitate this STEM learning, students will have at their disposal various technologies. Such as but not limited to; software, hardware, and fabrication tools that will help them gain technological confidence to further pursue other technology and fabrication courses we offer.

As students move from introductory to advanced levels, they will be challenged with projects from Robotics, Mechanical, Electrical, and Civil engineering disciplines.

Pre-engineering courses in this program are available at the middle school level only.



Engineering

The engineering program covers many aspects of engineering. Students that take this course would typically be looking to pursue engineering or engineering technology programs upon graduation. The course culminates in a group project that draws upon the skills students have gained during their module work. This final project is student designed and fabricated.

As students move from introductory to advanced concepts and learning, they will cover topics such as ACDC Power Systems, Pneumatics & Hydraulics, Robotic Arm Programming and Automation, CAD Design using Solidworks and CNC Programming and Machining, Then move on to cover advanced versions of the 1st level courses but also features Materials Engineering, as well as Applied Thermal systems and some structural systems civil engineering. The final projects at the Advanced Level vary, but have featured such topics as a Salt Water Desalination System, Mars Rover Solar Powered Charging Station, a Mag-Lev Train and an Advanced Can Crusher using a Logic Circuit Control System.

Engineering courses in this program are available at the high school level only.

HEALTH SCIENCES

Health Sciences

This course prepares students for careers in the healthcare field. Students will acquire the basic skills and knowledge to work in multiple areas of health care, both within the hospital and in the community. For those students preparing for a career in the health sciences, the study of anatomy and physiology provides the foundation needed to support clinical experiences. This course will also provide a career foundation for students interested in continuing their education after completing high school. A strong interest and ability in Math and Science are recommended for success in this course.

Courses in this program are available at the high school level only.





ROBOTICS & AUTOMATION

Robotics & Automation

The Robotics & Automation program exposes students to the fundamentals of robotics. Students will receive instruction on computer programming, CAD design, mechanical fabrication, and basic electronics. The course culminates with students building a functional robot. There are courses in robotics and automation program; FTC (First Tech Challenge), VEX, and Lego robotics.

Courses in this program are available at both the high school and middle school levels.



SPORTS MEDICINE

Sports Medicine

Sports Medicine is a course for students who aspire to work in the health care field specifically in the areas related to sports medicine. Various topics covered include injury management, nutrition, rehabilitation, basic anatomy and physiology, care of the musculoskeletal system and career opportunities. Students will participate in a clinical portion. The focus practical knowledge and skills related to specific injuries including preventive taping, safety and wrapping.

Courses in this program are available at the high school level only.



SUSTAINABLE ENERGY SYSTEMS

Sustainable Energy Systems

Sustainable Energy Systems course is a mixture of modules and class instruction. The focus is small wind and solar systems. Students will work towards Solar and Wind Technician certifications.

Students will learn electrical theory and practice solar and wind siting. Students will also assemble and use solar and wind systems, with a focus on connecting, installing and running a small alternative energy system. It is expected that students taking this course would have an interest in alternative energy systems and electricity. It is also expected that students be comfortable with electrical theory and mathematical calculations.

Courses in this program are available at the high school level only.

Trappers ATHLETICS

Starting in middle school Father Mercredi Trappers have opportunities to participate in a variety of different extracurricular sports. Our multi-levelled system allows for beginner athletes to develop their understanding of sport and competition, while our competitive teams work towards enhancing student knowledge of movement and specific sport skills.

At the high school level, Father Mercredi Trappers compete at a level that has allowed for championships both at the City and Zones and competed in various sports at the Provincial level. In order to promote both athletics and academics, our coaches are in constant communication with classroom teachers to ensure our athletes are performing at their highest potential in the classroom. Student-athletes are strongly encouraged to attend 'Learning Recovery Fridays', which are opportunities where support is offered by a Teacher and/or Educational Assistant for any concepts that need revisiting as a result of Athletic commitments. Our athletic leaders are an integral part of our school community and we look forward to continuing to grow our capacity within Father Mercredi.

Fitness Centre

Our on-site Personal Trainer and Fitness Facility is open to all students and is used to customize specific plans to promote an understanding of physical fitness and enhance our student-athlete development.



Sports ACADEMIES

Father Mercredi Community High School offers a wide variety of athletic academies intended to promote active learning, positive social environment, and life-long sport development. Our academies are tailored to be inclusive of all developmental levels and allow students to progress to their top ability within a specific sport.

Community partnerships are integral to our successful academies, as students are provided with mentorship from a variety of different athletic professionals.

While our high school students are continuing to develop and enhance their understanding of specific sport through our athletic academies, they are also able to garner Physical Education and CTS credits required for graduation. Father Mercredi academies are offered to all levels and abilities, and we welcome both prospective students and those currently enrolled!



All Grades

Baseball - Grades 7-12

Hockey - Grades 7-12

Middle School only

Basketball - Grades 7-9

Volleyball - Grades 7-9

OFF-CAMPUS

Education

Registered Apprenticeship Program (RAP)

The Registered Apprenticeship Program (RAP) starts in high school for students who are interested in dividing their time between academics and earning hours towards an apprenticeship in a trade. Students will complete a high school diploma while accumulating hours towards a journeyman ticket. RAP students are paid for the work they do while registered in this program. Grade 10 or 11 students can be part of the application/screening process for possible placement in the following school year. Interested students are encouraged to contact the Off-Campus Coordinator in September.

Work Experience

High school students at Father Patrick Mercredi are encouraged to be well rounded. Some students may choose to work part-time outside of school hours. Through meetings with the Off-Campus office, students can register for Work Experience and earn credits for work outside of school.

DUAL CREDIT

Courses

Dual Credit NDT (Non-Destructive Training)

Dual Credit NDT (Non-Destructive Testing) in partnership with Keyano College and SAIT is offered to selected grade 11 and 12 students, (applying in spring of Gr 10/11). This full time, two semester program will be offered in Semester 2 off-site, delivery is through independent learning modules, as set by SAIT NDT Foundations curriculum with support from in class industry staff for lab experience.

Students are expected to complete their high school academic requirements in Semester 1 with expectation of Math 20-2 and minimum Science 20 before starting the program. There is a potential for summer work internships. There is a cost to this program.

Dual Credit Electrical Program

Dual Credit Electrical Program is offered in partnership with Keyano College. This is a full time, five month program for selected grade 11 and 12 students (apply in the spring of Gr 10/11) who are interested in pursuing a career in the electrical trade. Keyano instructors teach in class and in lab the theory for first year technical training. Students will then challenge the AIT provincial exam in June. Selected students will complete their high school academic requirements first semester and attend Keyano for their technical training second semester. ***Students must have a minimum of Math 20-2 and Science 20 before attending this training. This is a competitive program. There is a cost to this program.

Dual Credit Welder Program

Dual Credit Welder Program is offered in partnership with Keyano College. This is a full time, five month program for selected Gr 11/12 students (apply in the spring of Gr 10/11) who are interested in pursuing a career in the welder trade. Keyano instructors teach in class and in lab the theory for first year technical training. Students will then challenge the AIT provincial exam in June. Selected students will complete their high school academic requirements first semester and attend Keyano for their technical training second semester. ***Students must have a minimum of Math 20-2 and Science 20 before attending this training. This is a competitive program. There is a cost to this program.



SKILLS

Alberta/Canada

Every year Father Mercredi School participates in events associated with Skills Alberta.

Students have the opportunity to participate in Skills Exploration Days, Cardboard Boat Races, and Regional Skills Competitions, Girls Exploring Trades and Technology (GETT) Conference, Try-A Trade, and the Provincial Skills Competition.

SKILLS EXPLORATION DAYS

an opportunity for middle school students and teachers to work through a design thinking challenge related to a global issue to design a prototype, and then travel to Edmonton where they learn from trades people how to build their design.

CARDBOARD RACES

are a chance for teams to design, build and test transportation made entirely of cardboard and duct tape, showing their design can not only be fast but also carry passengers.

GIRLS EXPLORING TRADES AND TECHNOLOGY (GETT) CONFERENCE, FUTURE COMPETITORS, & TRY-A TRADE

are an opportunity for non-competing students to travel with Father Mercredi's Provincial Skills team to Edmonton to visit a variety of post secondary programs and participate in various activities that introduce them to some of the many trades in Alberta and the areas of competition available at the Provincial Skills Competition.

REGIONAL SKILLS COMPETITION

are an opportunity for students to compete and qualify for the provincial competition in a variety of trades areas such as baking, cabinet making, and welding.

PROVINCIAL SKILLS COMPETITION

The Provincial Skills Competition is an opportunity for students on the Father Mercredi Skills team to travel to Edmonton and compete in a variety of trades areas, some of which include animation, culinary arts, carpentry, IT networking, job search, photography, public speaking, mobile robotics, video production, welding, and more.



RSPORTS

Robotic Sports



Mission

Through robotics competition and education, RSports works to develop students strong in STEM and dedicated to pursuing a rigorous academic post secondary experience. Through mentor, parent and teacher support from both Father Mercredi High School and RSports, the students of RSports are pushed towards a rewarding and demanding career. The students are then inspired to continue the mission and spread this inspiration to younger students, so that they may experience even greater motivation and academic opportunities.

Students participate in competitive robotic programs such as:
VEX, FRC and Skills



MEDIA *Team*

The Father Mercredi Media Team shares the stories of the Trapper community through various multi media means.

Providing opportunity to students with an interest in photography, graphic design, video production and/or animation the opportunity to work on projects in support of various groups, clubs and individuals in the Father Mercredi School family.

The Media Team works with local mentors and businesses to develop skills with students that are relevant and current to industry standards.



SAFE ZONE *Club*

Father Mercredi's SafeZone provides students with opportunities within their school community to develop connections with their peers.



#TRAPPER PRIDE



Father Patrick Mercredi Community High School | 455 Silin Forest Rd, Fort McMurray, AB T9H 4V6
Phone: 780 799-5725 | <http://fathermercredi.fmschools.ca/>

#WEAREFMCS