



2025-2026

REGISTRATION BOOK

MEMORIAL COMPOSITE HIGH SCHOOL

50 Westerra Centre
Stony Plain, Alberta T7Z 1R3
Phone: 780-963-2255
Fax: 780-963-6722
Email: mchs@psd.ca
Website: www.mchs.psd.ca

**Our purpose is to
prepare, engage and
inspire our students
to be their best in a
quickly changing
global community.**

Online school registration
opens for ALL students on
February 10, 2025 and
closes on **March 28, 2025.**

This process must be
completed before course
choices can be made.

**Students in Grades
10-12 must have a
myPass account with
Alberta Education.
Please refer to the
Student Services
section of this book
for further details.**

OUR SCHOOL

We respectfully acknowledge the traditional land of many First Nation, Métis, and Inuit peoples, including our neighbors from Paul First Nation, Enoch Cree Nation, Alexis Nakota Sioux Nation, Alexander Cree Nation and others whose histories and cultures shape our community.

Memorial Composite High School, established in 1949, honours the community's fallen soldiers of WWII and carries forward the legacy of tradition and pride that characterizes Stony Plain.

Our collaborative culture values learning, respect, and citizenship. We foster empathy, responsibility, and growth in a supportive environment.

In addition to quality academics:

- We are a true Composite High School. We have vibrant Career and Technology Studies, Fine Arts, Second Languages, Work Experience, and Registered Apprenticeship programs.
- Our LAWS (Life Academic Work Skills) programs provide educational opportunities both at school and in the community for young adults with moderate to severe cognitive and/or physical challenges.
- We offer a supportive and encouraging environment for our Indigenous students and are growing our relationship with Paul First Nation.
- We support Parkland School Division Programs such as Connections for Learning Outreach, Building Futures, and the Parkland Student Athlete Academy.
- Community partnerships are integral to a number of our programs and provide students with an authentic perspective to their learning.
- We have many extracurricular activities, relying heavily on teacher and community volunteers. We are setting the future for our students with an increased focus on citizenship and social responsibility.

Torch Time

Torch Time, inspired by our motto 'The Torch Held High,' provides students with opportunities to enhance learning through instructional sessions, homework help, and skill-building. Teachers and parents can direct students as needed, with attendance monitored via PowerSchool.

Teachers will assign students requiring extra help to appropriate Torch Time sessions, and parents can register their children via PowerSchool. If a teacher or parent registers a student, they cannot unregister themselves. Students in good standing may register for sessions independently and adjust their schedules as needed.

Students in good standing, meeting expectations of teachers, parents, and themselves, may use Torch Time outside of school for personal growth. Parents should discuss family expectations regarding this time. Students who remain at school must attend a Torch session.



ABOUT MEMORIAL COMPOSITE HIGH SCHOOL

Vision

Our students possess the confidence, resilience, insight and skills required to thrive in, and positively impact, the world.

Mission

Parkland School Division assures supportive learning environments, meaningful experiences and healthy relationships that create opportunities to develop resilience, to gain diversity in perspectives and to achieve enduring success.

Goals and Values

Our Ultimate Goal is Student Success and Well-Being.

We therefore value:

- Learning opportunities that are:
 - Purposeful
 - Essential
 - Relevant
 - Authentic
 - Responsive
- Excellence in achievement
- Trustworthy, respectful relationships
- Resilience with self-awareness

Education happens minute by minute, and at the same time occurs across generations. Our staff members demonstrate the belief that student success is closely linked to student well-being and the development of social-emotional assets that build resiliency. *Student Success and Well-Being* exists as our Ultimate Goal - the ultimate reward for reaching our vision.



HOW WE DEFINE SUCCESS

At MCHS, we define success through our graduates, who leave us with the independence and critical thinking skills to become productive, engaged citizens. Our success is reflected in their positive contributions to society, strong academic performance, and local and global awareness.

MCHS is more than a good school—we are an excellent school. Strong relationships between students, teachers, and families create a supportive learning environment. Teachers are approachable, responsive, and committed to student success, offering a wide range of courses to meet diverse interests and goals. Our intervention system ensures that students needing additional support can reach their potential.

We take pride in a high school completion rate, consistent above-average diploma results, and 30% of students achieving honours annually. Parents regularly commend the positive atmosphere and dedicated staff. Our well-maintained facility includes specialized learning spaces, and our office staff is always ready to assist.



HIGH SCHOOL DECISION MAKING

Decisions made during high school may determine future opportunities. Of the decisions made in High School, selecting appropriate courses may be the most important. The majority of high school students do not know the career they will choose for life. The key is to not limit one's choices and keep options open.

Be Aware The major factors that influence student decisions are abilities, interests, values, and goals. Improve awareness of these by talking with parents, counsellors, and others who can help you clarify "who you are". There are numerous online tools to assist with academic and career planning.

Be Realistic Choose courses and programs that are consistent with previous achievements and work habits. Recommended marks from prerequisite courses are carefully set. We want you to succeed. Choosing courses that are too difficult will lead to discouragement; choosing courses that are too easy may lead to disengagement.

Know Make sure you understand the diploma requirements, scholarship guidelines, prerequisites, content, and difficulty level of your course choices.

Plan Most students complete the Alberta High School Diploma requirements in three years. This is done with a recommended course credit load of:

Grade 10	40 credits minimum
Grade 11	35 credits minimum
Grade 12	30 credits minimum

****Note: Our aim is for all students to graduate with a minimum of 110 credits.**

Plan for all three years of high school, not just next year.

The formula for success is relatively simple. At Memorial Composite High School, students are expected to:

- ❖ Choose appropriate courses
- ❖ Develop good work habits, in and out of class
- ❖ Attend classes
- ❖ Cooperate with others
- ❖ Take responsibility for their learning



STUDENT SERVICES DEPARTMENT

Students work with their grade level counsellor for any of the following planning and support.

School Programming

- Graduation requirements
- Timetable changes
- Course selection
- Post-secondary program prerequisites

Career Exploration

- Career counselling
- Career information

Post-Secondary Planning

- University and college information from across the continent
- Information on scholarships
- Student finance
- Admissions and applications
- Transcript and credit information

Personal Counselling

- Stress, anger, anxiety or depression
- Peer conflicts
- Grief and loss
- Suicide prevention
- Study skills/organization
- Access to out-of-school specialists and community resources

Diverse Learning Needs

- Individualized Program Planning
- Knowledge and Employability academic planning
- Transitions Program
- Academic Support
- Accommodations

Indigenous Education

- Student support
- Indigenous programming
- Cultural connections and engagement

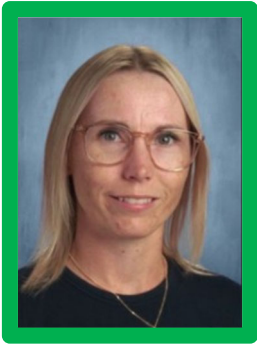


Students must have a myPass account

Alberta Government myPass is a secure self-service website for students to access their education information. This is available 24/7 upon completion of the registration. It will show all high school marks earned to date and what is needed to complete your Alberta High School Diploma. A personal email address is needed as your PSD email account will be deactivated upon leaving Memorial. Visit <https://mypass.alberta.ca> to request access.



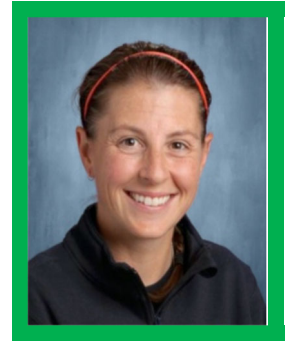
Student Services Staff



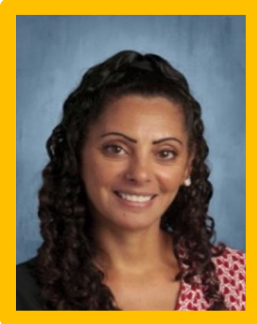
Ms. J. Mazereeuw
Grade 10 Counsellor
Inclusive Education Lead



Ms. M. Cox
Grade 11 Counsellor
Inclusive Education Lead



Ms. A. Small
Grade 12 Counsellor
Inclusive Education Lead



Ms. Joy Currie
Diverse Needs Lead Teacher



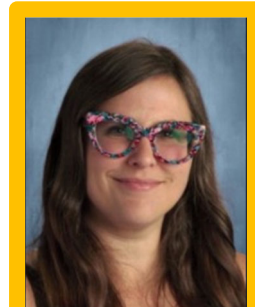
Ms. Rhonda Harbert
Indigenous Graduation Coach



Constable Gordon Marshall
School Resource Officer



Mrs. B. Station
Student Services Secretary

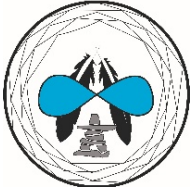


Mrs. L. Traverse
Indigenous Culture and Education Teacher

School Resource Officer

Constable Gordon Marshall is the School Resource Officer for MCHS. Constable Marshall works with us half time and SGCHS the other half. His priority work is to build positive relationships between our students and the RCMP. As well, he offers students information about the legal system, assists administrators with occasional discipline concerns that have legal implications, offers presentations to classrooms, and assists with school security. If you have any questions or concerns, you can email Constable Marshall at Resourceofficer@psd.ca.





Indigenous Culture and Education

Indigenous Education and Student Services

MCHS offers academic support and guidance to First Nations, Metis, and Inuit students through the support of MCHS Indigenous Graduation Coach(es). We aim to support students and families in establishing student success in high school as well to build culture and community. With focus on transitions, academic counseling and post-secondary guidance, students receive one to one support in their courses and in the school community. Indigenous students are provided with a common space and the opportunity to engage in academic tutoring as well as connect academically, socially and culturally. For more information, please contact: [Ms. Rhonda Harbert](mailto:rhonda.harbert@psd.ca), Indigenous Culture and Education Teacher at rhonda.harbert@psd.ca



Library / Learning Commons

MCHS Library/Learning Commons is a space for students to work on school assignments, collaborate with others, or relax with a good book. It is open from 8:15 a.m. - 3:45 p.m. daily. Students must have their student ID to sign out textbooks, computers, calculators or books from the library. Books can be returned to the library or the book depository window/slot in the cafeteria. Please note that if a student does not return the materials signed out to them, or returns them in unusable condition, they will be required to pay to replace the item before being issued another.



PROPOSED STUDENT FEES

****Note: The 2025/2026 fee structure will be similar to the 2024/2025 fees shown below. The updated fees will be made available on the MCHS website at a later date. Please ensure to check the website for the accurate 2025/2026 fees prior to course registration. ****

Mandatory Fees for 2025/2026

School Cultural Activities	10.00
Total	\$ 10.00

The following complementary courses have additional fees (subject to minor adjustments). **Note: Course Material Fees will be prorated if a course is dropped.**

Art 10/20/30	\$85.00	Indigenous Wellness	\$55.00
Advanced Acting	\$75.00	LAWS	\$75.00
Communication Tech	\$51.00	Mechanics	\$100.00
Computer Numerical Design (CNC)	\$80.00	Personal Fitness Training	\$40.00
Construction	\$85.00	Phys Ed. 10 (5 cr)	\$80.00
Cosmetology 10	\$35.00	Phys. Ed. 20 / 30	\$80.00
Cosmetology 20/30	\$75.00	Sports Medicine 15	\$65.00
Environmental Outdoor Education 10	\$70.00	Sports Medicine 25	\$70.00
Environmental Outdoor Education 20	\$80.00	Sports Medicine 35	\$80.00
Fabrication	\$85.00	Wellness 10	\$55.00
Food Studies	\$85.00	Music	TBD

Optional Fees:

Yearbook	\$48.00
Grad Packages	Prices may range from \$35 - \$65

Lockers

- The locker rental agreement must be approved by parent through the registration process before a locker is issued.
- Memorial Composite High School provides the locks for all lockers in the school.
- Students will be responsible for any costs to repair or replace lockers.



GRADUATION PATHWAY

ALBERTA HIGH SCHOOL DIPLOMA: GRADUATION REQUIREMENTS (ENGLISH)

The requirements indicated in this chart are the minimum requirements for a student to attain an Alberta High School Diploma. The requirements for entry into post-secondary institutions and workplaces may require additional and/or specific courses.

100 CREDITS including the following:

ENGLISH LANGUAGE ARTS – 30 LEVEL (English Language Arts 30-1 or 30-2)

SOCIAL STUDIES – 30 LEVEL (Social Studies 30-1 or 30-2)

MATHEMATICS – 20 LEVEL (Mathematics 20-1, Mathematics 20-2 or Mathematics 20-3)

SCIENCE – 20 LEVEL ¹ (Science 20, Science 24, Biology 20, Chemistry 20 or Physics 20)

PHYSICAL EDUCATION 10 (3 CREDITS) ²

CAREER AND LIFE MANAGEMENT (3 CREDITS) ³

10 CREDITS IN ANY COMBINATION FROM:

- Career and Technology Studies (CTS) courses
- Fine Arts courses
- Second Languages⁴ courses
- Physical Education 20 and/or 30
- Knowledge and Employability courses
- Registered Apprenticeship Program courses
- Locally developed/acquired and authorized courses in CTS, fine arts, second languages or Knowledge and Employability occupational courses⁵

10 credits in any 30-level course

(in addition to a 30-level English language Arts and a 30-level social studies course as specified above) ⁶

These courses may include:

- 30-level locally developed/acquired and authorized courses
- Advanced level (3000 series) in Career and Technology Studies courses
- 30-level Work Experience courses⁷
- 30-level Knowledge and Employability courses
- 30-level Registered Apprenticeship Program courses
- 30-level Green Certificate Specialization courses
- Special Projects 30

¹ ¹ The science requirement—Science 20 or 24, Biology 20, Chemistry 20 or Physics 20—may also be met with the 10-credit combination of Science 14 and Science 10.

² See information on exemption from the physical education requirement.

³ See information on exemption from the CALM requirement.

⁴ Students may earn any number of credits in the study of second languages, but only a maximum of 25 language credits may be used to meet the 100-credit requirement for the Alberta High School Diploma.

⁵ Integrated Occupational Program (IOP) occupational courses may be used in place of Knowledge and Employability occupational courses to fulfill this requirement.

⁶ 30-level English language arts or 30-level social studies courses from a different course sequence may not be used to meet the 30-level course requirement.

⁷ Students may earn a maximum of 30 credits in Work Experience, but only 15 credits may be used to meet the 100-credit requirement for the Alberta High School Diploma.



GRADUATION PATHWAY

CERTIFICATE OF HIGH SCHOOL ACHIEVEMENT REQUIREMENTS (ENGLISH)

The requirements indicated in this chart are the minimum requirements for a student to attain a Certificate of High School Achievement. The requirements for entry into post-secondary institutions and workplaces may require additional and/or specific courses.

80 CREDITS^①

including the following:

ENGLISH LANGUAGE ARTS 20-2 OR 30-4

MATHEMATICS 10-3 OR 20-4

SCIENCE 14 OR 20-4

SOCIAL STUDIES 10-2 OR 20-4

PHYSICAL EDUCATION 10 (3 CREDITS)^②

CAREER AND LIFE MANAGEMENT (3 CREDITS)^③

5 CREDITS IN

- 30-level Knowledge and Employability occupational course, or
- Advanced level (3000 series) in Career and Technology Studies courses, ^④ or
- 30-level locally developed course with an occupational focus

AND

5 CREDITS IN

- 30-level Knowledge and Employability Workplace Practicum course, or
- 30-level Work Experience course, ^⑤ or
- 30-level Green Certificate course, ^⑥ or
- Special Projects 30

OR

5 CREDITS IN

- 30-level Registered Apprenticeship Program (RAP) course ^⑦

^① To qualify for a Certificate of High School Achievement, students must successfully complete a minimum of one academic Knowledge and Employability course or be identified as a Knowledge and Employability student (710 code) within the 12 months previous to the awarding of the Certificate.

^② See information on [exemption from the physical education requirement](#).

^③ See information on [exemption from the CALM requirement](#).

^④ Courses that are identified using a post-secondary institution (PSI) course code may be used to meet the certificate requirement of “five credits in Advanced level (3000 series) in Career and Technology Studies courses.”

^⑤ Refer to the [Off-campus Education Handbook](#) for additional information.

^⑥ Refer to Alberta.ca for additional [Green Certificate](#) information.



Knowledge and Employability Program (KAE)

Knowledge and Employability courses provide students with opportunities to experience success and become well prepared for employment, further studies, citizenship and lifelong learning. Staff at MCHS will ensure that students are enrolled in courses that are appropriate to their highest level of achievement. Students enrolled in the KAE program will achieve a **Certificate of High School Achievement** once they successfully complete 80 credits in an appropriate combination of KAE and other high school courses. Students have the opportunity to explore further education opportunities with their certificate. Knowledge and Employability courses are available to students in grades 10 through 12 who have been recommended from their previous school and have a recent psycho-educational assessment. A consent to enrol form must be completed by parent/guardians. Eligible students wishing to explore further post secondary opportunities work with our Grade Administrators and/or Counsellors to develop a plan for upgrading specific courses or transitioning to work toward a diploma.

For more information on the [KAE program](#), please contact Ms. Meghan Cox via email (meghan.cox@psd.ca) or by calling Student Services at 780-963-2255 Ext. 1094.

GRADUATION PATHWAY

Certificate of School Completion

The Certificate of School Completion may be awarded to students with a significant cognitive disability who meet the qualification criteria listed on the following page. Certificates will be generated using student information in PASI upon nomination by the principal/assistant principal of the school.

Life Academic Work Skills (LAWS)

LAWS provides an alternate non-credited classroom program for students with mild, moderate, and severe cognitive delays. The focus is on life skills where students learn functional academics, daily living skills, and vocational skills. Much of this learning occurs through community work placements. Students are also involved in many community activities and outings to further develop their skills. Students have access to adaptive technology to gain more independence. Sensory needs can be met through the use of an on-site sensory room as needed. At the successful completion of their grade 12 year, students are encouraged to participate in the school's graduation exercises and they are awarded a **Certificate of School Completion** in a Special Education Program. Students completing this program may consider going into the workforce or attending a Transitional Vocational Program at a post-secondary institution. To be eligible for this program, Individual Program Plans and recent psycho-educational testing must identify the need for specialized programming. Placement in this program is through an individual intake with the student, present school, parents, and Memorial staff and the personalized details of the programming will be established during the intake meeting.

For more information on the [LAWS program](#), please contact Ms. Joy Currie via email (joy.currie@psd.ca) or by calling Student Services at 780-963-2255 Ext. 1094.



GRADE 10

Grade 10

Grade 10 course codes start with the digit “1”. Students in grade 10 are expected to enrol in courses totaling 40 or more credits. Courses offered are typically 5 or 6 credits (taught each day). We encourage students to complete as many credits as possible in grade 10 to ensure greater timetable flexibility in the subsequent years.

Selecting Grade 10 Courses

The selection of grade 10 courses is based on grade 9 report card marks and comments and teacher recommendations. To increase the probability of success, choose a course level recommended by your teacher or by the high school. Remember to plan for all three years of high school, not just one. A student is not permitted to register for a course out of grade level without the Grade Administrator approval.

Transitions Program

There are some students who enter grade 10 who are academically capable but are not ready for grade 10. For a number of reasons, they have significant gaps in their learning so prerequisite knowledge and skills are not in place for them to be successful in grade 10 level courses though they have the ability. The MCHS Transition Support program supports students in finding and filling their learning gaps in preparation to transition to a typical classroom. This could be -2, -3 or -4 Grade 10 programming and earn a high school Diploma or completion certificate.

Academic Achievement Centre (AAC) – Located in Room 1083A

When a timetable cannot be filled with a full course load, students may be assigned an AAC block where they will complete a self directed learning course via modules. The AAC time can also be used to study for upcoming exams, complete homework, missed assignments, and complete their self directed course work.

Grade 10 students are expected to have a full timetable and cannot have spares, so they may be assigned a block of AAC to meet this expectation.

Grade 10 students are given first priority for registration in a 10 level course.
Grade 11 students are given first priority for registration in a 20 level course (if prerequisites are met).
Grade 12 students are given first priority for registration in a 30 level course (if prerequisites are met).



Grade 10 Program Worksheet

Descriptions of the courses offered at MCHS, the suggested routes, and teacher recommendations are given on the pages that follow. (* Indicates a possible all year course)

MANDATORY COURSES

Choose one of each of the following:

ENGLISH (5cr)

- English 10-1
- English 10-1 Honours
- English 10-2
- English 10-4

SOCIAL STUDIES (5cr)

- Social 10-1
- Social 10-1 Honours
- Social 10-2
- Social 10-4

MATHEMATICS (5cr)

- Math 10C
- Math 10C Honours
- Math 10-3/C (by teacher referral only – all year)
- Math 10-3
- Math 10-4

SCIENCE (5cr)

- Science 10
- Science 10 Honours
- Science 14
- Science 10-4

PHYSICAL EDUCATION

- PE 10 Girls (5cr)
- PE 10 Boys (5cr)
- PE 10 Co-Ed (5 cr)
- Wellness 10 (6cr = PE 3cr / CALM 3cr)
- Wellness: An Indigenous Approach* (11cr = PE 3cr/CALM 3cr/Aboriginal Studies 10 5cr)

COMPLEMENTARY COURSES

Please select courses from the following list so that the credits taken in both columns total **40** or more.

FINE ARTS

- Advanced Acting (5cr) *audition required (after school)*
- Art 10 (5cr)
- Choral Music (5cr)
- Drama 10 (5cr)
- General Music (5cr)
- Technical Theatre (5cr)
- Vocal Ensemble (5cr) *audition required (after school)*

COMPLEMENTARY COURSES CONT.

SECOND LANGUAGES (5cr)

- French 10-3Y
- German 10-3Y
- Japanese 10-3Y

CTS (CAREER & TECHNOLOGY STUDIES) (5cr)

- Accounting (BIT)
- Business Innovations (BIT)
- Communication Technology 10 (BIT)
- Computer Numerical Control Design (MDC)
- Computer Science 10 (BIT)
- Construction Technology 10 (TMT)
- Cosmetology 10 (HRH)
- Environmental Outdoor Education (NAT)
- Fashion Studies 10 (MDC)
- Fabrication 10 (TMT)
- Food Studies 10 (HRH)
- Leadership (HRH)
- Legal Studies (BIT)
- Marketing (BIT)
- Mechanics 10 (TMT)
- Office Computer Skills (BIT)
- Personal Fitness 15 (HRH)
- Sports Medicine 15 (HRH)
- Video Broadcasting & Editing (BIT)
- Web Design (BIT)

ADDITIONAL COURSES

- Astronomy (6cr)
- CALM & Job Preparation (5cr)
- Forensic Studies (6cr)
- Introduction to E-Sports 10 (5cr)
- Psychology (6cr)
- Yearbook (5cr)

OFF CAMPUS OPTIONS (by appointment only)

- Green Certificate
- RAP
- Work Experience (up to 15cr) *(after school)*

TOTAL CREDITS _____



GRADE 11/GRADE 12

GRADE 11

Students can register for grade 11 courses based on grade 10 final marks and/or the most recent report card marks. If the prerequisite course shows a grade below the recommended transition average, the student is **not** permitted to register for the next course in the sequence without Grade Administrator approval. Grade 11 course codes start with the digit “2”.

Credits

If 40 or more credits were earned in grade 10, the student should enrol in **at least 35** credits in grade 11. The intent is that each student should have at least 75 credits by the end of grade 11.

Grade 11 Program Requirements

- Select any core grade 10 courses in which credits were not earned, or transfer to lower level sequences, with Grade Administrator approval, in order to earn retroactive grade 10 credits
- Choose one of: English 20-1, English 20-2 or English 20-4
- Choose one of: Social Studies 20-1, Social Studies 20-2 or Social Studies 20-4
- Choose one of: Math 20-1, Math 20-2, Math 20-3 or Math 20-4
- Choose at least one of: Science 20, Science 24, Science 20-4, Biology 20, Chemistry 20, or Physics 20
- Choose CALM (if not already completed)
- Choose other courses sufficient to bring your credit Total to 75.

Students granted a spare are expected to follow the direction given to them by their Grade Administrator with regards to their whereabouts during their spare.

If a grade 11/12 student ends up with 2 spares in his/her timetable in one semester/quarter, one block will most likely be required to be in the AAC room unless an alternative suitable learning option is available.

GRADE 12

Grade 12 students are expected to check diploma requirements carefully and complete a *Registration for Graduation form available during semester one*. It is the responsibility of each student to ensure that the appropriate graduation requirements are met (see page 12). A student who fails a course in a higher-level sequence may, with an appropriate mark, transfer to a lower level sequence. Grade 12 course codes start with the digit “3”.

Grade 12 Program Requirements

- Select any core grade 11 courses in which credits were not earned, or transfer to lower level sequences in order to earn retroactive grade 11 credits
- Choose one of: English 30-1, or English 30-2 or 30-4
- Choose one of: Social Studies 30-1, or Social Studies 30-2
- Choose at least 10 credits in grade 12 level courses other than English/Social
- Choose other courses sufficient to bring your credit total to at least 30

Grade 10 students are given first priority for registration in a 10 level course.

Grade 11 students are given first priority for registration in a 20 level course (if prerequisites are met).

Grade 12 students are given first priority for registration in a 30 level course (if prerequisites are met).



Grade 11 Program Worksheet

Grade 11 students are expected to check diploma requirements carefully and ensure they are taking the appropriate courses to meet the requirements for an Alberta High School Diploma.

MANDATORY COURSES

Choose one of each of the following:

ENGLISH (5cr)

- English 20-1
- English 20-2
- English 20-4

SOCIAL STUDIES (5cr)

- Social 20-1
- Social 20-2
- Social 20-4

MATHEMATICS (5cr)

- Math 20-1
- Math 20-2
- Math 20-3
- Math 20-4

SCIENCE (5cr)

- Biology 20
- Chemistry 20
- Physics 20
- Science 20
- Science 24

COMPLEMENTARY COURSES

Please select courses from the following list so that the credit count in both columns totals **30** or more.

PHYSICAL EDUCATION

- PE 20 (5cr)
- Wellness: An Indigenous Approach * (11cr = PE 3cr/CALM 3cr/Aboriginal Studies 10 5cr)

FINE ARTS

- Advanced Acting (5cr) *audition required (after school)*
- Art 20 (5cr)
- Choral Music 20 (5cr)
- Drama 20 (5cr)
- General Music (5cr)
- Technical Theatre (5cr)
- Vocal Ensemble (5cr) *audition required (after school)*

COMPLEMENTARY COURSES CONT.

SECOND LANGUAGES (5cr)

- French 20-3Y
- German 20-3Y
- Japanese 20-3Y

CTS (CAREER & TECHNOLOGY STUDIES) (5cr)

- Accounting (BIT)
- Business Innovations (BIT)
- Communication Technology 20 (BIT)
- Computer Numerical Control Design 20 (MDC)
- Computer Science 20 (BIT)
- Construction Technology 20 (TMT)
- Cosmetology 20 (5cr) (HRH)
- Early Learning and Childcare (HRH)
- Environmental Outdoor Education 20 (NAT)
- Fabrication 20 (TMT)
- Fashion Studies 10 (MDC)
- Food Studies 20 (HRH)
- Leadership (HRH)
- Legal Studies (BIT)
- Marketing (BIT)
- Mechanics 20 (TMT)
- Mechanics 20 – Heavy Duty (TMT)
- Office Computer Skills (BIT)
- Personal Fitness 25 (HRH)
- Sports Medicine 25 (HRH)
- Video Broadcasting & Editing (BIT)
- Web Design (BIT)

ADDITIONAL COURSES

- Astronomy (6cr)
- CALM & Job Preparation (5cr)
- Forensic Studies (6cr)
- Introduction to E-Sports 10 (5cr)
- Psychology (6cr)
- Yearbook (5cr)

OFF CAMPUS OPTIONS (by appointment only)

- Green Certificate
- RAP (up to 40cr)
- Work Experience

TOTAL CREDITS _____



Grade 12 Program Worksheet

Grade 12 students are expected to check diploma requirements carefully and ensure they are taking the appropriate courses to meet the requirements for an Alberta High School Diploma.

ENGLISH (5cr)

- English 30-1
- English 30-2
- English 30-4

SOCIAL STUDIES (5cr)

- Social 30-1
- Social 30-2

MATHEMATICS (5cr)

- Math 31 (Calculus)
- Math 30-1
- Math 30-2
- Math 30-3

SCIENCE (5cr)

- Biology 30
- Chemistry 30
- Physics 30
- Science 30

COMPLEMENTARY COURSES

Please select courses from the following list so that the credit count in both columns totals **30** or more.

PHYSICAL EDUCATION

- PE 30 (5cr)
- Wellness: An Indigenous Approach * (11cr = PE 3cr/CALM 3cr/Aboriginal Studies 10 5cr)

FINE ARTS

- Advanced Acting (5cr) *audition required* (after school)
- Art 30 (5cr)
- Choral Music 3 (5cr)
- Drama 30 (5cr)
- General Music (5cr)
- Technical Theatre (5cr)
- Vocal Ensemble (5cr) *audition required* (after school)

TOTAL CREDITS _____

COMPLEMENTARY COURSES CONT.

SECOND LANGUAGES (5cr)

- French 30-3Y
- French 30-9Y
- German 30-3Y
- German 20-6Y
- Japanese 30-3Y
- Japanese 20-6Y

CTS (CAREER & TECHNOLOGY STUDIES) (5cr)

- Accounting (BIT)
- Business Innovations (BIT)
- Communication Technology 30 (BIT)
- Computer Numerical Control Design 30 (MDC)
- Computer Science 30 (BIT)
- Construction Technology 30 (TMT)
- Cosmetology 30 (10cr)* (HRH)
- Early Learning and Childcare (HRH)
- Environmental Outdoor Education 30 (NAT)
- Fabrication 30 (TMT)
- Fashion Studies 10 (MDC)
- Food Studies 30 (HRH)
- Leadership (HRH)
- Legal Studies (BIT)
- Marketing (BIT)
- Mechanics 30 (TMT)
- Office Computer Skills (BIT)
- Personal Fitness 35 (HRH)
- Sports Medicine 35 (HRH)
- Video Broadcasting & Editing (BIT)
- Web Design (BIT)

ADDITIONAL COURSES

- Astronomy (6cr)
- CALM & Job Preparation (5cr)
- Forensic Studies (6cr)
- Introduction to E-Sports 10 (5cr)
- Psychology (6cr)
- Yearbook (5cr)

OFF CAMPUS OPTIONS (by appointment only)

- Green Certificate
- RAP (up to 40cr)
- Work Experience

*Cosmetology 30 is timetabled over 2 periods.



RETURNING GRADE 12 STUDENTS

Typically, students currently in grade 12 have not been included in the registration process and must apply to attend for a fourth year of high school. If there is room in the courses they seek, they may be granted entry at the start of the school year.

Should you know that you'd like to return for a fourth year of high school, and are currently in good standing, you may be permitted to register for the following year by completing the [NEW Student Registration](#) form. Any grade 12 students wishing to register for Memorial for the Fall of 2025 must also complete a returning grade 12 form available at student services AND email Ms. Marsie Fisk (Marsie.Fisk@psd.ca) prior to **March 14, 2025** indicating their wish to return. **If approved students must then complete their PSD Registration and MCHS course selection prior to March 21, 2025.**

Any students who miss this registration window will then use the usual returning grade 12 registration process of applying in the spring/summer to attend in the fall and receive notification at the beginning of the school year if there is room in the courses they wish. Alternatively, returning grade 12 students may register at the Outreach or Virtual programming.



ENGLISH

High School English Language Arts courses are designed to improve communication skills in six areas – listening, speaking, viewing, reading, writing, and representing. English is one of the required programs that students must take at all grade levels. Through the completion of English courses at the grade 10, 11 and 12 levels, graduates are either preparing for continued academic studies, or they are improving their communication skills for the world of work. **All English courses are five credits.** English 30-1 and English 30-2 are diploma exam courses.

English 10-1, 20-1, 30-1

These courses are for students who have demonstrated strengths in their use of language and their understanding of print and non-print texts. The -1 signifies the more *academically rigorous* sequence. In English 10-1, 20-1, 30-1, students study literature and writing that is both complex and formal. Print and non-print texts become increasingly more involved at each grade level. Students will write both personal responses and literary compositions based upon the works they have studied. Students begin with the study of the analytical formal essay at the English 10-1 level; they hone their skills through additional practice at the English 20-1 level, and should become proficient at more complex writing tasks at the English 30-1 level. In English 30-1, serious works of literature are emphasized, making the course demanding and challenging. The students' final grade for English 30-1 is weighted 70% school-awarded mark and 30% diploma exam mark. The English 10-1, 20-1, 30-1 route demands a considerable amount of reading, homework, and study time. English 30-1 is a course intended for students who wish to enrol in degree programs at post-secondary institutions. A final grade of 60% or better in English 10-1 and English 20-1 is recommended for students to continue in the 20-1 or 30-1 program. Students who earn a final grade of 50-59% should register in English 20-2 or 30-2.

English 10-2, 20-2, 30-2

These courses are for students who need to strengthen their use of language and their understanding of texts. The -2 signifies the *minimum level* required for graduation. In English 10-2, 20-2, and 30-2, students study literature and writing that is less complex than that studied in the more academic route. Print and non-print texts are generally of a high interest level and are less difficult to read and analyze; composition is more personal in nature. The students' final grade for English 30-2 is weighted 70% teacher awarded mark and 30% diploma exam mark. The English 10-2, 20-2, and 30-2 route demands a moderate amount of reading, homework, and study time. English 30-2 is a course intended for students who wish to enrol in a diploma program at post-secondary institutions or who choose to enter the workforce following graduation.

NOTE: Successful completion of English 30-1 or 30-2 is required for all students in order to earn an Alberta High School Diploma.

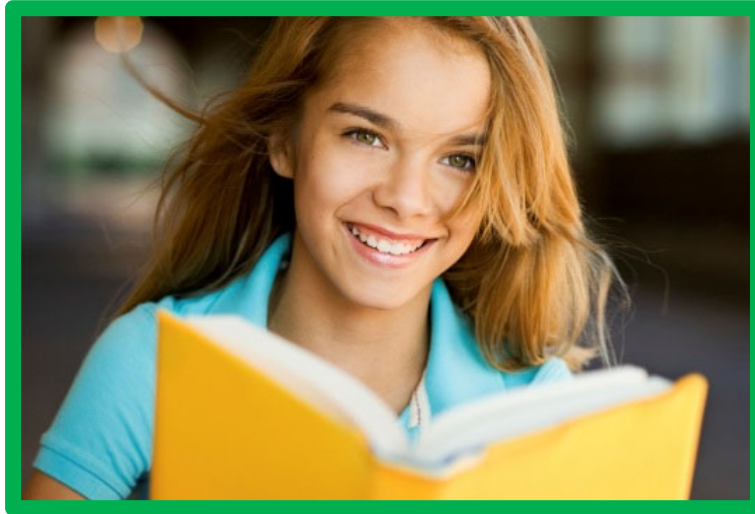
English Language Arts Honours Program

This program is designed for students seeking to immerse themselves in a challenging English Language Arts environment and enhance their learning in preparation for post-secondary education. Its purpose is to enable students to reach their full academic potential while granting access to unique learning opportunities exclusive to this program. Students will continue to develop core skills in reading, writing, discussion, viewing, and representing as they would in the regular 10-1 class, but they will additionally have the opportunity to dive deeper into classic literature, pursue personal research projects, and express themselves creatively in a variety of mediums. A minimum achievement of 85% (Excellent) in English Language Arts 9 or a teacher recommendation is required for enrolment in the English Language Arts 10-1 Honours Program.

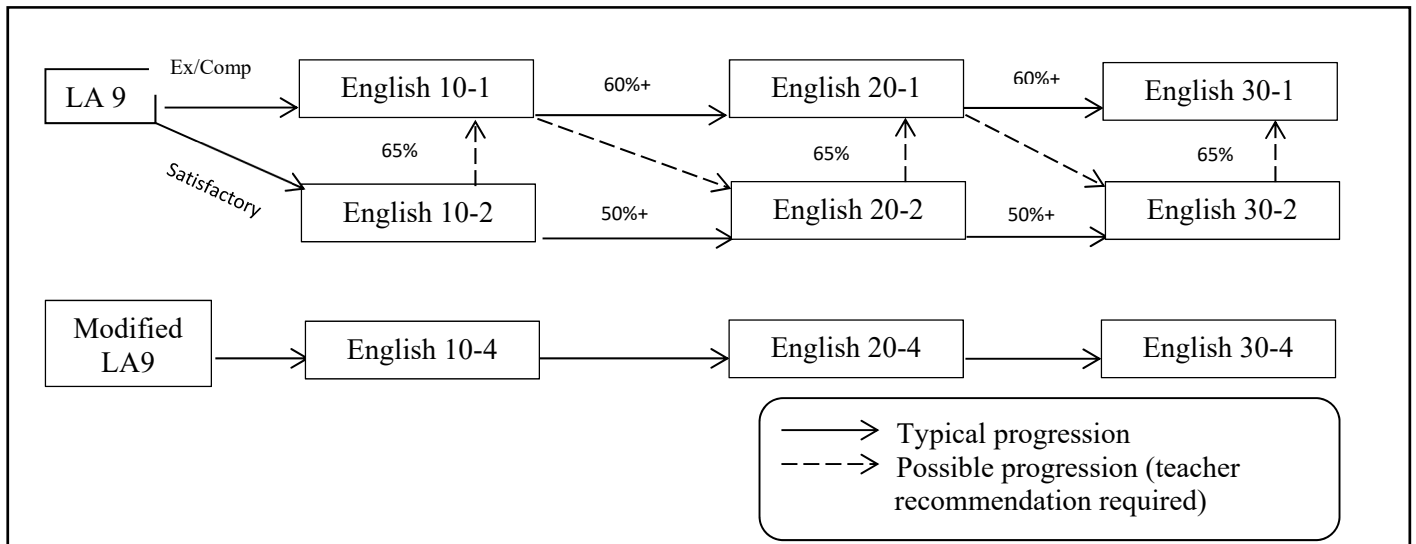


English 10-4, 20-4, 30-4

These courses are for students who are earning a Certificate of High School Achievement in the KAE Program. The aim of English Language Arts is to improve communication skills in six areas – listening, speaking, viewing, reading, writing and representing. In English 10-4, 20-4, and 30-4, students focus on developing the basic language competencies needed for everyday living at home, in the community and in the workplace. Successful completion of English 30-4 is required for all students in order to earn a Certificate of Achievement.



Suggested Transfer Points and Prerequisite Marks



SOCIAL STUDIES

Social Studies provides opportunities that will enable students to become active, informed and responsible citizens. It is an interdisciplinary subject that draws upon history, geography, ecology, economics, law, philosophy, political science and other social science disciplines. Social Studies is one of the required programs that students must take at all grade levels. All students must earn credits at the 10, 20, and 30 level to be eligible for graduation. **All Social Studies courses are 5 credits each.** Students should select courses on the basis of their ability, interests, and career plans. Social Studies 30-1 and Social Studies 30-2 are diploma exam courses.

Grade 10 Social Studies: Perspectives on Globalization

Students will explore the multiple perspectives on the origins of globalization and the local, national and international impacts of globalization on lands, cultures, economies, human rights and quality of life. Students will examine the relationship among globalization, citizenship and identity to enhance skills for citizenship in a globalizing world. The infusion of a multiple perspectives approach will allow students to examine the effects of globalization on peoples in Canada and throughout the world, including the impact on Indigenous and Francophone communities.

Grade 11 Social Studies: Perspectives on Nationalism

Students will explore the complexities of nationalism in Canadian and international contexts. They will study the origins of nationalism and the influence of nationalism on regional, international and global relations. The infusion of a multiple perspectives approach will allow students to develop understandings of nationalism and of how nationalism contributes to the citizenship and identities of peoples in Canada.

Grade 12 Social Studies: Perspectives on Ideology

Students will explore the origins and complexities of ideologies and examine multiple perspectives regarding the principles of classical and modern liberalism. An analysis of various political and economic systems will allow students to assess the viability of the principles of liberalism. Developing understandings of the roles and responsibilities associated with citizenship will encourage students to respond to emergent global issues.

Social Studies 10-1, 20-1, 30-1

This is an academically rigorous program in which students will be expected to concentrate on the complex and analytical study of globalization, nationalism and ideology. The 10-1, 20-1 and 30-1 numbers signify the 'higher level' sequence. A mark of 65% or higher (Excellent/Competent) is recommended from Social Studies 9 to enrol in Social 10-1. Research, inquiry, and analytical skills as well as reading, writing, discussion, debate, and presentation skills are emphasized in a more complex and formal form. Social Studies 30-1 is a course intended for students who wish to enrol in degree programs at post-secondary institutions.

Social Studies 10-2, 20-2, 30-2

This is a general program in which students will be expected to concentrate on relationships concerning living in a globalizing world, understanding nationalism, and ideology. The 10-2, 20-2, 30-2 numbers signify the 'minimum level' required for graduation. A mark between 50% and 64% (Satisfactory) is recommended from Social Studies 9 to enrol in Social 10-2. Students will investigate, analyze and evaluate policies and actions in response to, for example, contemporary local, national and global issues. Social Studies 30-2 is a course intended for students who wish to enrol in a diploma program at post-secondary institutions or who wish to enter the work force following graduation.



Social Studies Honours Program

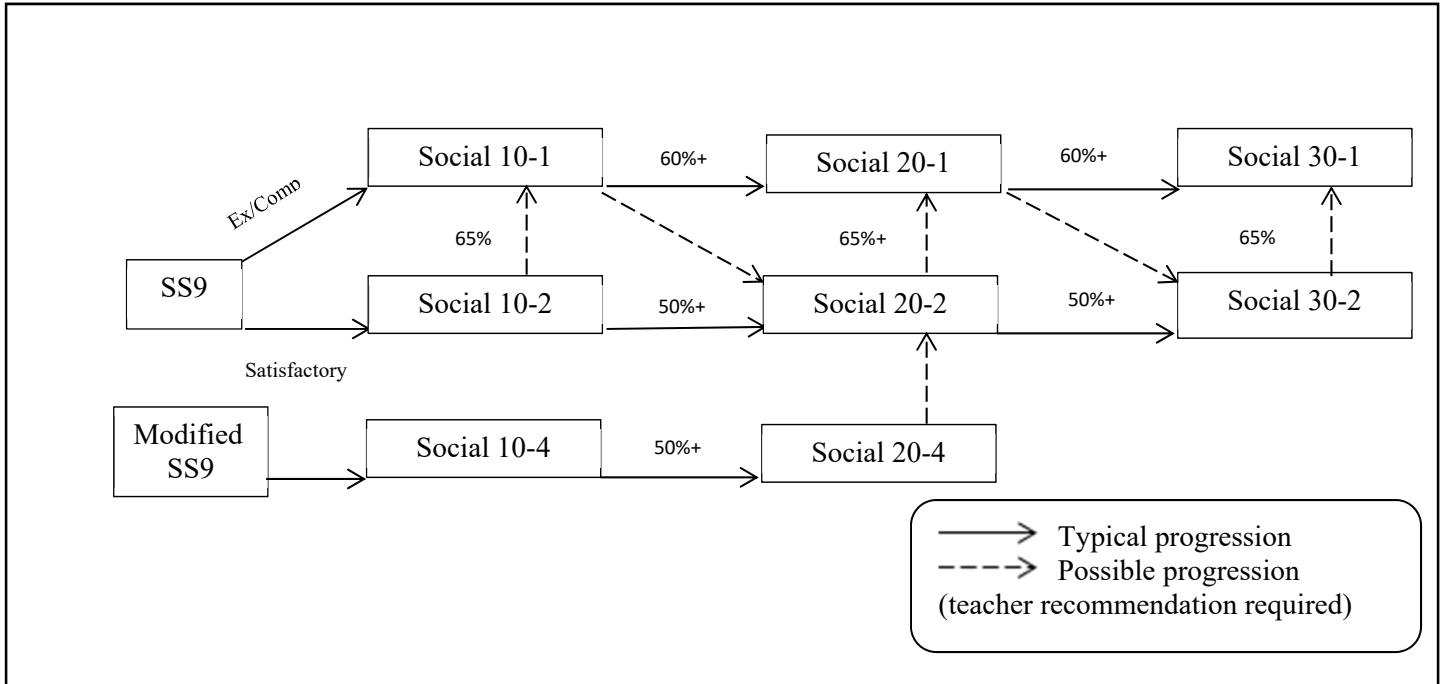
This program is designed for students seeking to challenge themselves in an enriched Social Studies environment and enhance their learning in preparation for post-secondary education. Its purpose is to enable students to reach their full academic potential while granting access to unique learning opportunities exclusive to this program. Students will continue to develop core skills in research, inquiry, analysis, reading, writing, discussion, debate, and presentation as they would in the regular 10-1 class, but they will additionally have the opportunity to engage in extracurricular activities, such as attending university lectures, participating in the Holocaust Symposium, and exploring other advanced learning experiences. A minimum achievement of 85% (Excellent) in Social Studies 9 or a teacher recommendation is required for enrolment in the Social 10-1 Honours Program.

Note: Successful completion of Social 30-1 or 30-2 is required for all students in order to earn an Alberta High School Diploma.

Social 10-4, 20-4

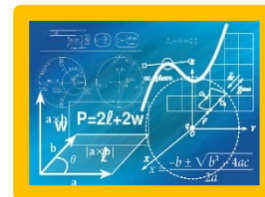
This program is for students who are earning a Certificate of High School Achievement in the KAE Program. Social Studies provides opportunities for students to develop the attitudes, skills and knowledge that will enable them to become engaged, active, informed and responsible citizens. Recognition and 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. Successful completion of Social Studies 10-2 or 20-4 is required for all students in order to earn a Certificate of Achievement.

Suggested Transfer Points and Prerequisite Marks



MATHEMATICS

Welcome to the Memorial Composite High School Mathematics Program. Students should be aware of the following as they select their course sequence.



- **All math courses are 5 credits each.** Students require a 20 level (grade 11) math course to graduate from high school.
- Diploma exams will be written in Math 30-1 and Math 30-2. A school generated final will be written in Math 30-3 (there is no Diploma exam for Math 30-3).
- For the Principles of Mathematics and Pre-Calculus routes the TI-84 will be the calculator used by the teachers in the classroom. A list of other permissible calculators is posted on the Alberta Education website, (under the link called [2024-2025 Calculator Information and Rules for Mathematics and Science](#))
- Upon successful completion of a math course, subsequent placement will be recommended by the teacher.

Math 10C (Math10 Combined) is designed to prepare students for both Pre-Calculus and the Principles of Mathematics routes. Students must have demonstrated consistent proficiency (Excellent/Competent) in Math 9 in order to enrol in Math 10C. **To be successful in Math 10C**, students require a strong work ethic and must be prepared to work outside of class time. Students in academic courses can expect 30 to 60 minutes of homework per night for each core course.

- Math 10C is the prerequisite course for both Math 20-1 and Math 20-2.
- Principles of Mathematics Route: The Math 20-2 and Math 30-2 route is accepted as a prerequisite for a variety of programs offered at universities, colleges and technical institutions. As these courses are more algebraically vigorous, students are recommended to have a minimum mark of 70% in the pre-requisite course in order to be successful in the next level of this route.
- Pre-Calculus Route: The Math 20-1 and Math 30-1 route is required for students planning to enter post-secondary programs that involve the study of calculus. Pre-calculus requires a strong algebra background and therefore students should have a minimum of **70%** in the pre-requisite course in order to have success in the next level of this route.

Math 10C Honours Program is a rigorous curriculum designed for students with a strong aptitude and passion for mathematics. In addition to completing Math 10C, the purpose of the program is to enable students to reach their full academic potential while granting access to unique learning opportunities exclusive to this program. It challenges learners to deepen their understanding of mathematical concepts, develop critical thinking skills, and explore complex problem-solving techniques in preparation for post-secondary education in the Science, Technology, Engineering, and Mathematics (STEM) fields. Participants will have opportunities to work on collaborative projects, compete in math contests, and engage in enrichment activities such as guest lectures, workshops, and research projects. With personalized instruction and a supportive environment, this program fosters academic excellence and a lifelong appreciation for mathematics. A minimum achievement of 85% in Mathematics 9 and teacher recommendation is required for enrolment in the Mathematics 10C Honours Program.

Math 10-3/C is a full year blended course in the semester system. It is intended for students who have not yet met the recommended guidelines for entering Math 10C but whose grade 9 teacher believes they will be able to achieve those guidelines, given a little extra time and remediation. This course completes Math 10-3 at a faster pace and Math 10C at a slower pace. The intention of the course is to allow the student the opportunity to fill any gaps in their mathematics learning, allow them more time to gain a better understanding of the more challenging Math 10C concepts, with the intention of preparing students for Math 20-2. **Enrollment in this course is by grade 9 teacher recommendation only.** *This course will only be offered if there is sufficient enrollment.*



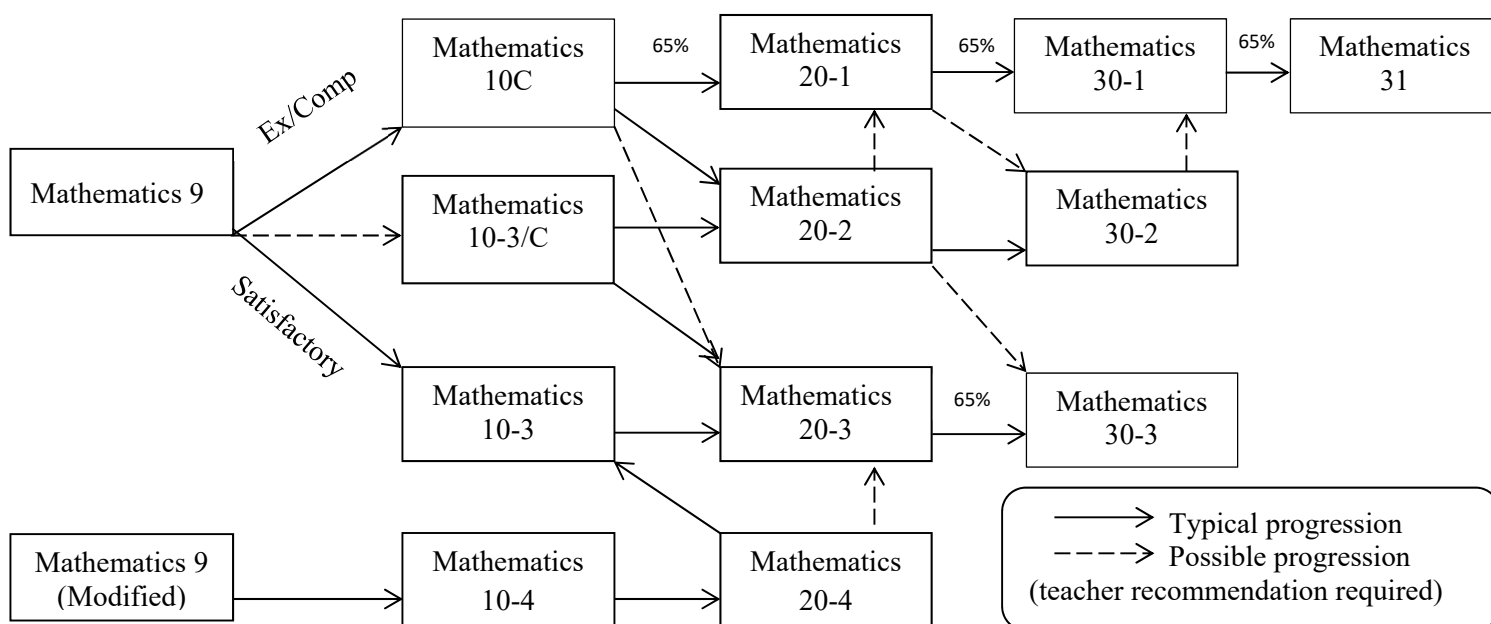
Note: Successful completion of a 20-Level Math is required for all students in order to earn an Alberta High School Diploma.

Math 10-3 The Math 10-3, Math 20-3 and Math 30-3 route was developed in conjunction with the trade and apprenticeship programs to ensure that the concepts are applicable to some apprenticeship trades and/or direct entry into the workplace. Math 30-3 can be a prerequisite requirement for some post secondary institutions. As such, it is through teacher recommendation that students in Math 20-3 with a strong work ethic and work habits may continue into Math 30-3.

Math 10-4 The Math 10-4 and Math 20-4 courses are designed to develop essential mathematics knowledge, skills and attitudes needed for everyday living at home, in the workplace and in the community for students in the KAE program. Some trades require higher level math, so students should investigate required course prerequisites. Successful completion of Math 10-3 or Math 20-4 is required for all students in order to earn a Certificate of High School Achievement.

Suggested Transfer Points and Prerequisite Marks

Students will be enrolled based upon their grade 9 math teacher recommendation



Curriculum Course Sequences:

Mathematics 10C, 20-1, 30-1

For entry into:

post-secondary programs at universities, colleges and technical institutions that may require further study of mathematics:

- Engineering
- Mathematics
- Sciences
- Business

Designed for:

students interested in careers emphasizing mathematics or sciences

Topics in this sequence include:

permutations and combinations, relations and functions, sequences and series, trigonometry, logarithms, exponents and statistics

Mathematics 10C, 20-2, 30-2

For entry into:

a variety of programs and faculties at universities, colleges and technical institutions:

- Arts program
- Medical technologies
- Some Apprenticeship programs
- Nursing programs
- Education programs

Designed for:

students interested in careers in a wide variety of areas

Topics in this sequence include:

relations and functions, equations, probability, trigonometry, logarithms

Mathematics 10-3, 20-3, 30-3

For entry into:

a variety of apprenticeship programs or the workforce:

- Trade programs
- Some Apprenticeship programs

Designed for:

students interested in trades or direct entry into the workforce

Topics in this sequence include:

finance, geometry, measurement and trigonometry



SCIENCE

Senior High Science courses are designed to provide students an opportunity to understand the scientific world and gain an appreciation for scientific research. In addition, students attain a level of scientific awareness, become scientifically literate, explore careers in science, and make informed decisions. Students begin high school in a general science program that is designed to provide a strong background in science and technology.

In the second year of science, the student may choose to enter one or more of the individual disciplines – Biology, Chemistry or Physics – or remain in the general program.

The science disciplines are designed for students who plan to move into post-secondary education programs that require extensive scientific knowledge. The general Science 10-20-30 sequence will meet the needs of most students hoping to go into technical school, college or directly into the work force.

The *academic science courses (10-20-30 level)* demand that students be attentive, thoughtful and good communicators, both orally and in writing. Skill at mathematical concepts and procedures are good indicators of success in the sciences.

All science courses are 5 credits each.

Science 10-4

Knowledge and Employability Science 10-4 students explore the digestive and circulatory systems of the human body. They investigate common chemicals used at home and in the workplace, and how to safely handle them. Students discover how force and heat energy are transferred in technologies they use in their daily lives, and they ask questions about how human activities affect the natural world. Students who have experienced challenges or difficulty with their skills will be provided with additional strategies for success in the Knowledge and Employability -4 course sequence.

Science 20-4

In Knowledge and Employability Science 20-4, students gain an understanding of the applications of science skills and knowledge for success at home, at work and in the community. They investigate and classify simple chemical reactions; learn about energy conversions and conservation; and examine how social, environmental and genetic factors affect human health. They also apply their knowledge of moving objects and conservation of momentum to transportation safety. Students who have experienced challenges or difficulty with their skills will be provided with additional strategies for success in the Knowledge and Employability-4 course.

Science 14-24

This basic science program is ideal for the student planning to proceed directly from high school into the work force. Basic scientific knowledge and principles are studied. Successful completion can provide an avenue to move into the more academic science program. Science 14-24 are minimum requirements for a high school diploma but do not meet any post-secondary entrance requirements nor do they meet the requirements necessary for many of the trades. The website www.tradesecrets.alberta.ca lists entrance requirements for those students considering careers in trades



Science 14 students study:

- Properties of Matter
- Energy Transfer Technologies
- From Life to Lifestyle
- Matter and Energy in the Biosphere

Science 24 students study:

- Matter and Chemical Change
- Energy Transformations
- Disease Defense and Human Health
- Safety in Transportation



Science 10

This is the introductory course in the academic program. It deals with concepts relating to cycling matter in living systems (introductory Biology), energy and matter in chemical change (introductory Chemistry), energy flow in technological systems (introductory Physics), and energy flow in global systems. A final mark of 65% or greater in Science 10 is the recommended prerequisite to enter Biology 20, Chemistry 20, or Physics 20. Grade 10 students should successfully complete Math 10C before enrolling in Chemistry 20 or Physics 20.



Science 10 Honours Program

This program is designed for students seeking to challenge themselves in an enriched Science environment and enhance their learning in preparation for post-secondary education in Science, Technology, Engineering, and Mathematics (STEM) fields. Its purpose is to enable students to reach their full academic potential while granting access to unique learning opportunities exclusive to this program. Students will continue to develop core skills in scientific inquiry, experimentation, data analysis, critical thinking, and scientific communication as they would in the regular Science 10 class, but they will additionally have the opportunity to engage in extracurricular activities, such as participating in science fairs, conducting independent research projects, and exploring other advanced learning experiences. A minimum achievement of 85% (Excellent) in Science 9 or a teacher recommendation is required for enrolment in the Science 10 Honours Program.

Science 20-30

These are the interdisciplinary courses designed to meet the needs of all students who do not require Biology, Chemistry, or Physics for their post-secondary schooling. Students with marks lower than 65% but greater than 50% in Science 10 are recommended to take Science 20 in grade 11. The prerequisite for Science 30 is one of Biology 20, Chemistry 20, Physics 20 or Science 20.

Science 20 students study:

- Chemical Changes
- Changes in Motion
- The Changing Earth
- Changes in Living Systems

Science 30 students study:

- Maintaining Health
- Chemistry and the Environment
- Electromagnetic Energy
- Energy and the Environment

Biology 20-30

Biology is the study of living things from the molecular level to the biosphere. Students are given an opportunity to explore and understand the natural world and to become aware of the profound influence of biology in their lives.

Biology 20 students study:

- Energy and Matter Exchange in the Biosphere
- Ecosystems and Population Change
- Photosynthesis and Cellular Respiration
- Human Systems

Biology 30 students study:

- Nervous and Endocrine Systems
- Reproduction and Development
- Cell Division Genetics and Molecular Biology
- Population and Community Dynamics



Chemistry 20-30

Chemistry is the study of the basic substances that make up matter and how matter is changed. As chemistry is quantitative science, superior ability in mathematics will be essential for success in these courses. Student enrolment in the Math-1 stream is recommended.

Chemistry 20 students study:

- Chemical Bonding
- Gases as a Form of Matter
- Solutions, Acids, and Bases
- Quantitative Relationships in Chemical Change

Chemistry 30 students study:

- Chemical Energy
- Electrochemistry
- Organic Chemistry
- Chemical Equilibrium Focusing on Acid-Base Systems

Physics 20-30

Physics is the study of motion and the interaction between matter and energy. Mathematics is used extensively, and students should have a good academic standing in Mathematics to ensure success in physics. Student enrolment in the Math-1 stream is strongly recommended.

Physics 20 students study:

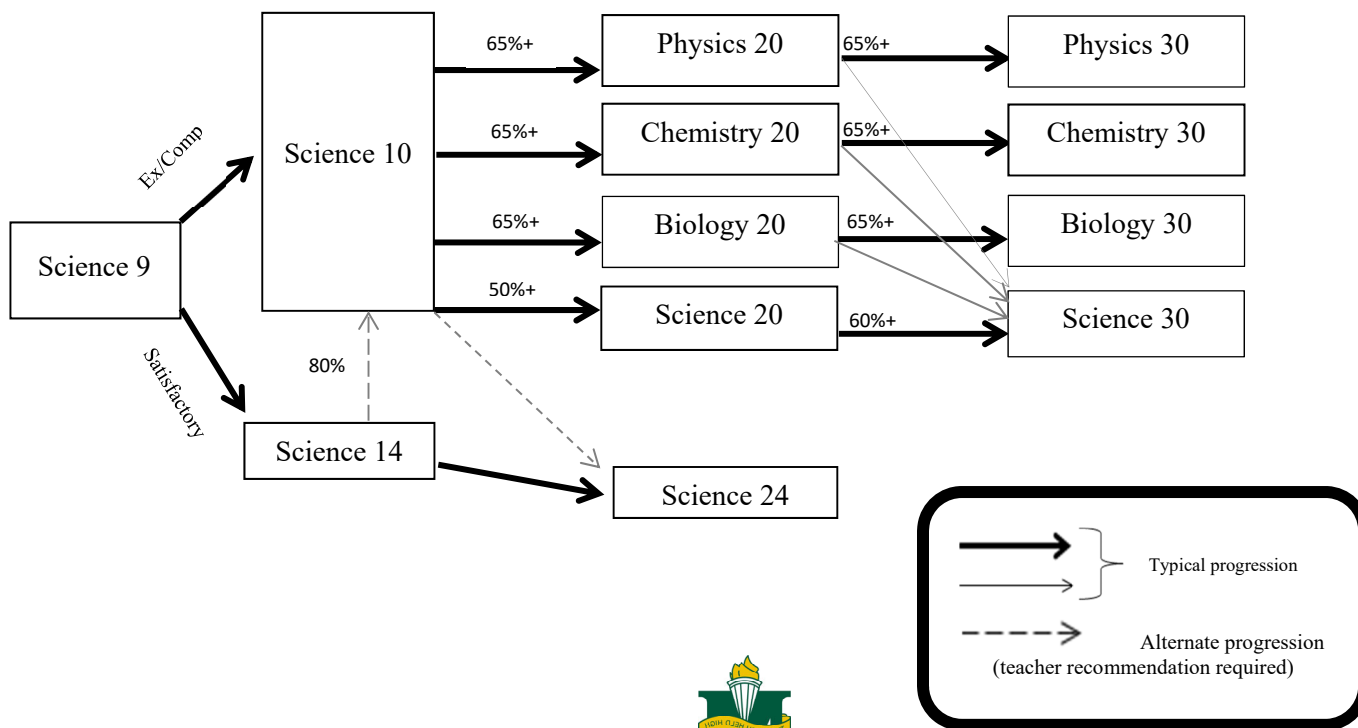
- Kinematics
- Dynamics
- Circular Motion Work and Energy
- Oscillatory Motion and Mechanical Waves

Physics 30 students study:

- Momentum and Impulse
- Forces and Fields
- Electromagnetic Radiation
- Atomic Physics

Note: Successful completion of a 20-Level Science is required for all students in order to earn an Alberta High School Diploma.

Suggested Transfer Points and Prerequisite Marks



PHYSICAL EDUCATION

Physical Education is geared towards active participation of all students. **Skills and techniques are taught in class, but they are secondary to the overall goal of making the students feel comfortable, challenged, and aware of the benefits to a healthy lifestyle.** Students' participation in Physical Education will see them explore a variety of activities on and off the campus; the goal of all of these courses is to motivate students to embrace a lifelong active lifestyle.

Students must complete a minimum of 3 credits in Physical Education (PE) in order to receive an Alberta High School Diploma. Physical Education 20 and 30 are courses that can be used for the Rutherford Scholarship and Physical Education 30 can be used to apply to some university faculties.

Physical Education 10 (5 credit) - *Prerequisite: None.*

Students have the unique opportunity to take Physical Education 10 boys, Physical Education 10 girls of Physical Education 10 CoEd. The objective of this course is to develop recreational skills and to encourage students to participate in an active lifestyle. Students will experience indoor and outdoor pursuits, including broomball, wheelchair activities, driving range, and self-defense.



Physical Education 20 (5 credit) - *Prerequisite: Physical Education 10 or Wellness 10*

A mark of 65% or higher in Physical Education 10 or Wellness 10 is recommended for entry into this course. This course is a continuation of Physical Education 10 and Wellness 10 with a variety of new and exciting sports/activities that may not have been experienced in the prerequisite course. Some of these activities include: curling, tennis, billiards, archery, and pickle ball.

Physical Education 30 (5 credit) - *Prerequisite: Physical Education 20*

A mark of 65% or higher in Physical Education 20 is recommended for entry into this course. This course is a continuation of Physical Education 20 with a variety of new and exciting sports/activities that may not have been experienced in the prerequisite course. Some of these activities include: bowling, curling, ninja warrior obstacle courses and mountain biking.

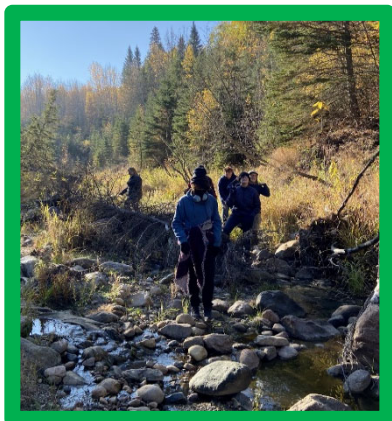
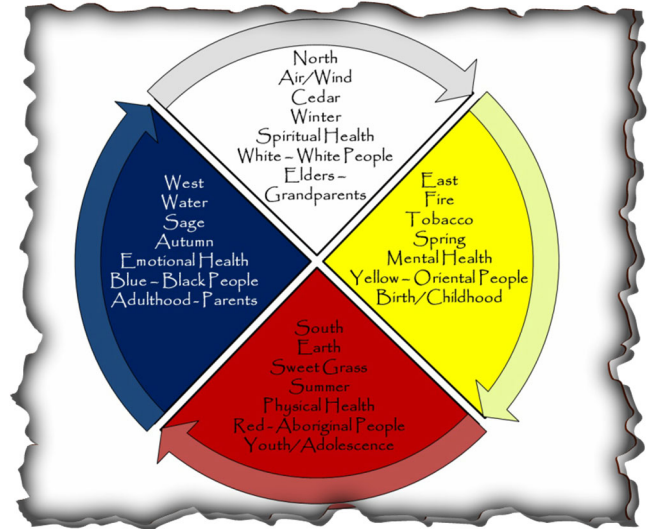


Wellness 10 (6 credits) - Prerequisite: None.

Wellness 10 is a 6 credit course where students will receive 3 credits for Physical Education 10 and 3 credits for Career and Life Management (CALM). This course meets the minimum high school requirements for Physical Education 10 and Career and Life Management. The objective of this course is to develop life skills, recreational skills and to encourage students to participate in an active lifestyle while making informed choices. Students will experience guest speakers on topics such as post-secondary education, car insurance, addictions, human sexuality, and credit/debt. Also, Wellness 10 will include indoor and outdoor pursuits, including broomball, wheelchair activities, driving range, and self-defense.

Wellness: An Indigenous Approach (11 credits) - Prerequisite: None.

This 11 credit course will combine outcomes of CALM and Physical Education 10, from a holistic approach. It will incorporate components of living a balanced life in focusing on the four directions of the medicine wheel: physical, emotional, spiritual and mental. The course is meant to have students reflect on their current approaches to maintaining a healthy lifestyle and working towards a positive and well balanced future. Students will spend time both in the classrooms and off site in order to reflect the holistic approach to physical education. Activities could include, but are not limited to: traditional games, canoeing, archery, time in nature and other physical activities to support student engagement with traditional perspectives. Furthermore, to complement the course, curricular outcomes from the Aboriginal Studies 10 course will be implemented. These will include, but are not limited to: a focus on Indigenous land and people of Alberta and Canada, oral traditions and stories, Indigenous worldviews, traditional societies, contact and cultural exchange between non-Indigenous and Indigenous people, as well as artistic symbolism and expression. Overall, this course would be offered every day during block one for the entire school year (semester system). Students would receive 11 credits for the course, which are comprised of five credits for Aboriginal Studies, and three credits for CALM and Physical Education respectively with the potential for credits earned through single module courses.



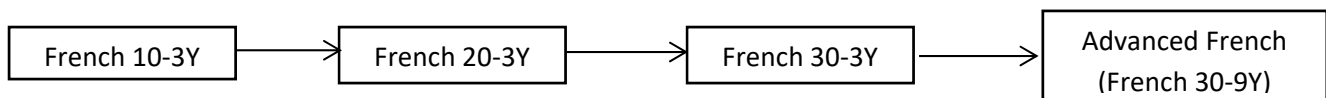
SECOND LANGUAGES

Learning a Second Language means...

- You can communicate with more people in the world and travel easier.
- You learn “neat stuff” about the daily life of other countries; what people eat, what they wear, how they celebrate and become a more creative and flexible thinker.
- You can experience the art, music, drama, literature, and sports of another culture first-hand, without having to rely on others to interpret for you.
- You have an advantage in further education and your career choices are expanded.
- You can express new and different aspects of your personality.

(Note: Offering of any second language course is dependent upon sufficient enrollment.)

French as a Second Language (All French classes are 5 credits each.)



Students coming from K-9 French Immersion program should contact the MCHS French teacher for placement information.

French 10-3Y

This course begins with introductory material, then quickly progresses in order to give a balanced foundation of the French language. Reading, writing, listening, and speaking skills/strategies will be studied around numerous areas of focus including: activities and pastimes, food, school, family/friends, occupations, and French speaking areas around the world. Grammatical structures include the use of negation, adjectives, regular and irregular verbs in the present tense, and question formation.

French 20-3Y – Prerequisite: French 10-3

This course is a continuation of the students’ previous experience where they will move into the more complex level. The grammatical concepts are aimed at having participants communicate effectively in French and begin to use some idiomatic expressions and linguistic norms. Reading, writing, listening, and speaking skills/strategies will be studied around numerous areas of focus including: clothing, food, health, travel and Paris. Grammatical structures include the imperative tense, past tense, as well as the continuation of more complex verbs in the present tense.

French 30-3Y – Prerequisite: French 20-3

This course builds on previous knowledge of the language and further expands students’ linguistic understanding into an intermediate level where students will be expected to communicate more fluidly. Cultural concepts of Quebec, France and other international francophone destinations will be explored. Reading, writing, listening, and speaking skills/strategies will be studied around numerous areas of focus. Grammatical structures include the review of past tense, reflexive verbs, direct/indirect object pronouns, relative pronouns, the imperfect and the conditional tenses.

Advanced French - French 30-9Y – Prerequisite French 30-3

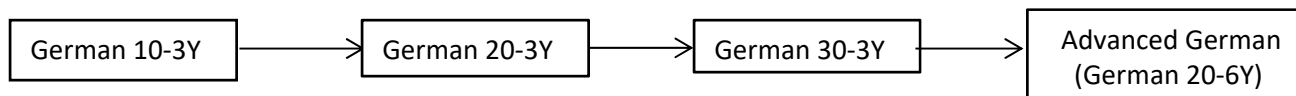
This course will focus on oral and written comprehension and production and a more careful examination of grammar and linguistic concepts. Projects will be a major focus. There will be a more in-depth examination of international francophone culture, and is generally an independent study program.

Travel and Exchange Opportunities for Students of French

Many enrichment programs exist for students studying French, including summer study and exchange programs funded by the federal government. Information about some of these can be found at these websites: Alberta Education and www.myexplore.ca **Alberta/Quebec Exchange Program will again be available when approved by Alberta Education.** Talk to your French teacher early in the school year for more details about this exciting opportunity!



German as a Second Language (All German classes are 5 credits each.)



60% is recommended to move from one level to another in German. Students in grades 10, 11 or 12 are able to take German 10.

Come and learn German in an interactive and communicative environment. You may participate in one, two, three or all four levels of the German Program offered. As English is a “sister language” of German, learning to speak and write German can be as simple as saying “Volkswagen”!

German 10-3Y

This is the first stage of a 3-year high school German program. Lesson materials are presented in various forms; dialogues, pictures, comics and reading selections. Students learn to socialize, exchange information, count, express feelings and emotions, attitudes and opinions and interests. Cultural and geographical information is an integral part of the program. Much of the course work is situational. Common European Framework of Reference for Languages: A1.1-A1.2

German 20-3Y – Prerequisite: German 10-3Y

This is the second stage of a 3-year high school German program. Lesson materials continue to be highly interactive and student-centered. Introductory lessons in this course provide enrichment for previously acquired basic vocabulary and sentence structures. Progression of the language is quicker and vocabulary is more extensive. This course is a continuation of German 10. Common European Framework of Reference for Languages: A1.2-A2.1

German 30-3Y – Prerequisite: German 20-3Y

This is the third stage of a 3-year high school German program. Lesson materials continue to be highly interactive and situational. On completion of German 30 you will have acquired German skills to allow you to communicate in Germany, German-speaking cultures in Canada, and other countries. Common European Framework of Reference for Languages: A2.1-B1.1

Advanced German (German 20-6Y) – Prerequisite: German 30-3Y

Advanced German is an enrichment course for German students who have successfully completed German 10-3, 20-3 and 30-3 (or the equivalent). The program focuses on oral and written comprehension and production. This involves the study of the novel, poetry, drama, short stories and composition. German culture and history will also be studied. Common European Framework of Reference for Languages: B1.1-B2.2

All four levels of German offer opportunities for students to experience culture and use their language skills.

Note: Students who have no prior high school credit in German but who have German as a first language will be required to complete Challenge Packages for each level to receive credit. Please see the German teacher for more information.



Japanese as a Second Language (All Japanese classes are 5 credits each.)

Japanese is a popular language to learn among people who are interested in travel, Anime, J-Pop, as well as business, foreign trade, and tourism. Memorial is currently offering 5 levels of Japanese language instruction. The Town of Stony Plain is also twinned with Shikaoui, a town in Hokkaido, Japan. This sister-school relationship allows for constant communication between Japanese and Canadian students and teachers through reciprocal exchanges and visits. There are also other opportunities throughout the year that will allow students to experience authentic use of the language and culture. For example, there are also going to be opportunities for students enrolled in Japanese to travel to Japan every two to three years with the school.

Japanese 10-3Y

Is an introductory course that exposes students to the various writing systems, vocabulary, basic sentence structure, useful expressions, and the skill to maintain simple conversations. Students will fully learn the Hiragana alphabet and will be introduced to the culture of Japan through a variety of avenues.

Japanese 20-3Y – Prerequisite: Japanese 10-3Y

Focusing on Japan today, students will learn more about what it is like to live in Japan. The Katakana writing system and several Kanji are taught, along with more complex writing structure. Students are expected to become more fluent in their speaking, reading and writing skills. Cultural norms are presented, along with a more internal knowledge of the Japanese culture.

Japanese 30-3Y – Prerequisite: Japanese 20-3Y

This course concentrates on Japan and the world. Cultural understanding and sensitivity are developed through communication. Students will leave with a proficient level of reading, writing, speaking and thinking skills. A deeper understanding of cultural nuances and an awareness of the global community will help students to see the interactions of Japan with the world. This course counts as a 30 level course and can be used towards graduation credits. This course mark can also be used for entrance into most post-secondary programs.

Japanese 20-6Y (Japanese 40) – Prerequisite: Japanese 30-3Y

This course follows Japanese 30-3 but does not count for 30 level credit. The focus is more on casual speech as opposed to the more formal speech. An emphasis will be placed on the development of speaking and listening skills. Reading, writing and culture are also components of this course. Often this course is a combined 20/30 level depending on overall enrollments. If this is the case, students will be expected to do independent work and study.

Japanese 30-6Y (Japanese 50) – Prerequisite: Japanese 20-6.

This course follows Japanese 20-6Y (Japanese 40). This would be considered a 5th level Japanese course and continues to focus on more casual and speech oriented Japanese. Students should be comfortable with Hiragana and Katakana and basic Kanji at this level. More grammar and Kanji will be learned but the focus is on reading and speaking. Often this course is a combined 20/30 level depending on overall enrollments. If this is the case, students will be expected to do independent work and study. This is considered to be a 30 level course, therefore, counts towards grade 12 level graduation requirements.



FINE ARTS

MUSIC DEPARTMENT

The MCHS Music Department offers vocal and instrumental development through a closely connected community of fellow student-musicians, as well as the pursuit of excellence through unique opportunities for growth and performance.

Students in all MCHS Music Classes are expected to attend their scheduled classes, in addition to a small handful of out-of-timetable events such as; dress rehearsals, concert performances, as well as competitive festivals in the spring. Any cultural excursions (such as symphony concerts or musicals) offered throughout the year, as well as Spring Tour, are entirely optional.

All Music classes are cross-graded, running simultaneously in one block of the timetable. Cross-grading allows students to experience relationships in a wider circle, find their fit with learners at similar levels and experiences, and develop greater leadership skills, while completing course credits sequentially. Any music course completed to the 30 level is acceptable (and desirable) for use in post-secondary entrance requirements.

CHORAL MUSIC (Choral Music 10, 20, 30) (5 credits) – *Prerequisite: None.*

Choral Music is offered to all students who enjoy music and wish to become better singers. Through high quality choral repertoire, this course focuses on development in the areas of confidence, vocal technique and production, general musicianship, as well as solo and ensemble work. No previous choir experience is required. This is a participation-based course; students do lots of singing every class, have several performances, and will have annual opportunities to participate in music festivals and tours.

VOCAL ENSEMBLE (*By audition only* Choir 15, 25, 35) - *Prerequisite: None. Corequisite: CHORAL MUSIC preferred*

Vocal Ensemble is a select-voice, performance-oriented program which introduces new and more complex musical material. Vocal Ensemble projects may include mixed-voice or equal-voice ensembles, show choir, chamber groups, solos and more. Only students enrolled in Choral Music 10, 20, or 30 are eligible to audition for Vocal Ensemble.

GENERAL MUSIC (General Music 10–20–30) – *Prerequisite: None.*

Do you have a passion for music? General Music is a sequence of courses for students who are interested in a broad spectrum of musical experiences within a non performance-based environment. Foundational skills in instrument or voice are not required to enroll in this course, although hands-on playing and practical skill development is a course requirement, and student contributions to the productions and presentations is essential. The course has two required elements; theory, and music making, as well as elective components to be selected from the following; composition, history of western music, music and technology, world music, careers in music, jazz appreciation, and popular music. This course will provide both individual and group music-making opportunities, and provides performance opportunities, though performing is not mandatory.



DRAMA

Memorial boasts an award winning, vibrant and varied drama program. Through engaging hands on experiences, the students will increase their physical and vocal confidence, as well as learn performance skills and acting techniques. Students also develop a deep sense of community within our “theatrical family”. Come join the fun of Memorial Drama!

Drama 10 (5 credits) – *Prerequisite: None.*

Drama 10 is an exciting, practical and dynamic course which introduces students to dramatic creation. Through games and activities, the students will develop a level of comfort and competence in the theatre arts while becoming part of a creative and supportive community. **No previous experience is required for this course.**

Drama 20 (5 credits) – *Prerequisite: Drama 10*

Drama 20 introduces students to a deeper level of commitment to their personal artistic development. Students will engage in theatre studies in several practical forms. Areas to be covered include: Voice, Improvisations, Critical Play analysis, Stage Fighting and Shakespearean Scene Study.

Drama 30 (5 credits)- *Prerequisite: Drama 20*

Drama 30 uses and builds upon all of the skills and techniques acquired in Drama 10 and 20. Students will develop their acting and directorial skills through Monologue and Scene study work culminating in their participation in a major production. Students will have the opportunity to take on a variety of roles including: actor, director, stage manager, technician, designer and dramaturge.

Advanced Acting Production 15/25/35 (5 credits) - *Prerequisite: None.*

Students involved in this course will be part of the ensemble responsible for putting on our main stage production. Students will work together alongside members of the professional theatrical community to create a truly unique and exciting performance experience. Our students have most recently performed in *Mamma Mia*, *Something Rotten*, *Legally Blonde* and *Spamalot*. Note: Auditions for this full year course are held in September and the course runs all year outside normal school hours.

Technical Theatre 15/25/35 (5 credits) - *Prerequisite: None.*

The Technical Theatre program is specifically designed to meet the needs of students who wish to learn the backstage, design, and theatre management aspects of theatre. The program provides practical experience in lighting, sound, set, costume, props, rigging, and more. These essential skills are taught and practiced throughout the execution of our production season as members of our Technical Team. This course runs outside normal school hours supporting the main stage production.



VISUAL ART

Art courses allow students to represent the world in a unique visual way. It allows room for the mind to grow, to relax and to create. In this hectic, crazy and stress filled world, art allows students to find balance while at school. The following courses progress from an introductory level of study to specialized techniques used in the visual arts and finally to being a student leaving with the content ready to fill a portfolio.

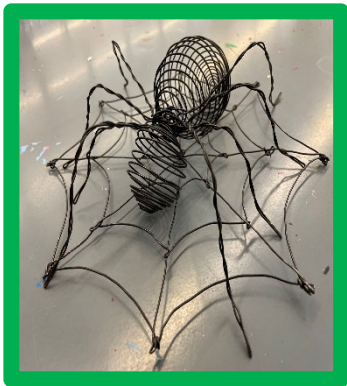
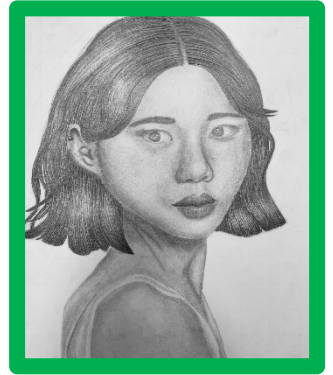


Art 10 (5 credits) Prerequisite: None.

Did you ever ask yourself, how did someone draw or paint that? Wow! Do you enjoy drawing, painting or making things with your hands? This is an introductory technical course concerned with the fundamentals of the visual arts. In this course, students will get to use a range of art pencils, markers, clay, plaster, Bombay ink, acrylic paints and block ink for printmaking. There will be day-to-day observational drawings in student sketchbooks from various sources. Students will be introduced to art and design fundamentals, drawing techniques, equipment, media, and a range of styles through first-hand experience in art making.

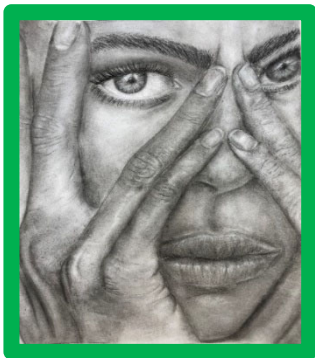
Art 20 (5 credits) Prerequisite: Art 10

Art 20 is an extension of Art 10 using more advanced applications in the areas of drawing, painting, sculpturing and printmaking. Students will work larger. They will have opportunities to create projects with the use of mediums or tools such as plaster, wire sculptures, large panel paintings, pottery wheel, scratchboard, charcoal, watercolor, printmaking plaster and creating ceramics with the kiln. This course allows students the opportunity to have more choice and voice in their work. Students will expand their personal skills and interests to create more original compositions. Students who have been successful in this course in the past have obtained at least 60%+ in Art 10.



Art 30 (5 credits) Prerequisite: Art 20

Art 30 is a comprehensive studio course based on the extension of all media with emphasis on expansions and perfection of artistic technique. In this course, students will need to generate original ideas beginning in their sketchbook and moving towards a refined product. Art 30 is a balance between guided and facilitated projects. There will be style and self-reflection in this course and an increased emphasis on independent project experimentation, abstraction and the emotional aspects of art making. Students are expected to dig deeper into historical art movements and styles to understand and adapt them to their own style. Art 30 is an accepted course and prerequisite to register in many post-secondary programs. Students who have been successful in this course in the past have obtained at least 60%+ in Art 20.



ADDITIONAL COURSES

ASTRONOMY (6 credits) – *Prerequisite: See description below*

This course consists of Astronomy 15 (Prerequisite: None) and Astronomy 25 (Prerequisite: Astro 15). Students will learn about the techniques used by astronomers. They will practice those skills of observing and documenting with the various objects visible in the day and night skies. Students will explore the connections between the history of human knowledge of the stars, exploration of space, and technological advancements. Students will see how these topics contribute to our understanding of the planet, solar system, and universe. There is no corresponding Diploma Exam for Astronomy 15 or 25, but course credit can still be used to fulfill graduation requirements.

EARLY LEARNING AND CHILD CARE CTS – HRH (5 credits) - *Prerequisite: None*

Early Learning and Child Care engages students in active learning about infants, toddlers, and preschoolers. Students will have the opportunity to understand the differences between a babysitter and a professional child care provider as they explore and practice the beginning skills necessary for working with children in ways that encourage and support development of the children. The program prepares students to provide quality child care in a variety of settings and to plan developmentally appropriate activities for the children in their care. Students who are 16 years of age can apply for a Child Development Assistant certificate from the Government of Alberta upon completion of this course. Younger students may apply for this certificate with proof of course completion once they turn 16 years old.

FASHION STUDIES 10 CTS – MDC (5 credits) - *Prerequisite: None*

Fashion Studies 10 introduces students to the exciting world of clothing construction, fashion illustration, design and fabric arts. Students will be introduced to the many different elements of fashion, including sewing, design, pop culture, illustration, upcycling, quilting, outerwear, costume making, knitting/crochet, beading, embroidery and other textiles arts. Fashion Studies is not just about sewing, it is about creativity, design, inspiration, and the pure fun of making things. Students will cover basic sewing techniques, including fashion illustration, hand sewing, and construction using the sewing machine. Students will design and manufacture simple clothing and accessories.

FORENSIC STUDIES (6 credits) – *Prerequisite or Co-requisite: Science 10 OR a Minimum mark of 75% in Science 14*

Forensics studies is a combination of Forensics 25 and Forensics 35. This course is the application of medical or other sciences to police investigations of crimes. Because it includes many aspects of science, (e.g. Chemistry, Biology, Physics, Geology, Anatomy, Genetics, etc.) it would be very difficult to cover all aspects of forensic science in one course. This course will focus on a few of the major areas where forensic science is routinely used in crime investigations. Topics studies include: The Crime Scene, Forensic Entomology, Forensic Anthropology, Blood and Body Fluids, Weapons (Ballistics), Fire and Explosives Document, Fiber, Soil and Hair Analysis, Fingerprints, DNA Fingerprints. This course will also include a large laboratory component. NOTE: Forensic Studies credits CANNOT be applied towards the minimum 10 credits in Science required to earn an Alberta High School Diploma.

INTRODUCTION TO E-SPORTS 10 (5 credits) – *Prerequisite: None*

Esports has emerged as a dynamic and rapidly growing field, integrating elements of technology, strategy, collaboration, and innovation. This course, designed for Alberta high schools, introduces students to the multifaceted world of esports through a comprehensive exploration of its culture, technology, and career opportunities.

Grounded in five carefully sequenced units, the course enables students to:

- Develop foundational knowledge of gaming systems, their components, and the principles guiding effective play.
- Analyze the historical and cultural impact of video games and their role in shaping popular culture.



- Foster physical, mental, and social well-being through lessons on collaboration, teamwork, and player wellness.
- Explore the technological underpinnings of esports, including hardware, software, and ethical considerations.
- Investigate career pathways and educational opportunities within the esports industry, preparing students for future success in a digitally connected world.

LEADERSHIP (5 credits) – *Prerequisite: None. *(Career & Technology Studies – HRH)*

Welcome to Leadership! We are looking forward to an exciting and productive year filled with new adventures. The goal of leadership is to develop your communication, organization, planning, and employment skills to your full potential while practicing each on a daily, weekly, and monthly basis. Each of you will be asked to put your skills into motion through developing and promoting school spirit and culture at MCHS. In addition, you will be making valuable connections within the school and community that will enable you to demonstrate your leadership role.

PSYCHOLOGY (6 credits) – *Prerequisite: None.*

This course consists of Personal Psychology 20 and Experimental Psychology 30. Psychology is designed to help students develop skills and insight that make it possible for more effective living in our complex environment. As students progress through the course, they will discover new ways of looking at and interpreting their own behavior, gain a better understanding and knowledge of how psychologists study human and animal behavior, and develop practical applications for enriching one’s own life. Students will cover a number of areas pertaining to psychology including basic history, approaches to psychology, connections to the brain and body, cognitive processes, human development, personality assessment, and psychological disorders. This crosses over into Experimental Psychology 30 where we will connect the information learned in Personal Psychology 20 with the ethics of experimentation in psychology. In Experimental Psychology, students will be expected to come up with their own experiment based on their interests. They will learn to collect data and analyze it. This will be the final project of the course.

YEARBOOK (3 or 5 credits) – *Prerequisite: None.*

The Yearbook program is looking for students who are dedicated, artistically inclined and who display a genuine interest in graphic design and photography. Students receive “hands-on” instruction in digital photography, Adobe Photoshop, Adobe InDesign and working with the online Yearbook program. Yearbook class is a great place for creative students to make a HUGE contribution to the school in a FUN setting while collaborating with others that have similar interests. It is recommended students enroll in the full year program but semester classes are available. Credits are available in both 3 and 5 credits, and will be earned through the Applied Graphic Arts Program Curriculum. There will be an expectation that students spend time outside of regular class hours to take photos of activities at lunch, after school, evenings and/or weekends. Students must learn to work independently and understand that there are hard deadlines that must be met. Assigned pages must be completed by those deadlines. There are opportunities for students to earn extra credits in this course. It is important to remember that the yearbook is more than just a book of photos because it holds memories and is a record of Memorial’s history. You can be a part of creating that history!



CAREER & TECHNOLOGY STUDIES

Career and Technology Studies (CTS) link theory and practice, associating and extending the knowledge, skills, and attitudes developed in academic courses within a practical, personally relevant context. Each area is a series of one credit modules. It includes the following strands:

- BIT (Business, Administration, Finance and Information Technology)
 - Accounting, Computer Science, Entrepreneurship, Marketing (Advertising), Office Computer Skills
- TMT (Trades, Manufacturing and Transportation)
 - Construction, Fabrication, Mechanics
- HRH (Health, Recreation and Human Services)
 - Cosmetology, Foods, Legal Studies, Personal Fitness, Sports Medicine, Wellness
- MDC (Media, Design and Communication Arts)
 - Communication Technology, Video Broadcasting and Editing, Web Design

In CTS strands, due to prerequisite module requirements, not all modules will be at the level of the strand. E.g. in an advance course, 30-level, some of the modules may be at the intermediate, or 20 level.

(Note: All CTS course offerings are dependent upon sufficient enrollment.)

BIT – Business, Administration, Finance and Information Technology

BUSINESS EDUCATION

Why study business?

Business is essential in almost every career. Whether you're interested in the trades, starting your own business, or working in tech, understanding key business concepts helps you succeed. It's not just about making money—it's about learning how businesses manage finances, market products, solve problems, and innovate.

Business courses give you real-world skills that employers value. From accounting to marketing to office computer skills, these courses prepare you for the workforce. No matter your career path, business knowledge will help you stand out.

Explore the following courses to gain the skills you need for your future:

- Accounting
- Business Innovations
- Legal Studies
- Marketing
- Office Computer Skills

Business opens doors to endless opportunities!



ACCOUNTING (6 credits) – *Prerequisite: None.*

Step into the world of business with this fast-paced and dynamic course designed to give you a solid understanding of financial principles and the language of accounting. Whether you dream of starting your own business, managing personal finances, or exploring careers in finance, this course provides invaluable skills to help you succeed.

You'll learn how to analyze and interpret financial information, understand the essentials of business transactions, and use tools like Microsoft Excel to organize and present data. Gain confidence in managing money, making informed decisions, and understanding the financial side of business.



With its engaging, real-world applications and insights from guest speakers, this course is both practical and rewarding—a must for anyone looking to strengthen their financial knowledge and business savvy!

BUSINESS INNOVATIONS (5 credits) – *Prerequisite: None.*

Are you curious about the world of business and eager to explore your options? Business Innovations is the perfect starting point. This introductory course lets you dive into key areas like management, entrepreneurship, marketing, technology, and finance—giving you a well-rounded view of the business world.

Throughout the course, you'll engage in hands-on projects and simulations, applying what you learn to real-world business scenarios. Plus, you'll hear from guest speakers from local businesses, offering valuable insights into the industry. Whether you're interested in starting your own company or working in the business field, this course will spark your creativity and help you build essential skills for the future.

Business Innovations is the perfect first step for anyone interested in pursuing further studies in business and commerce. Get ready to explore, innovate, and set the stage for your career in business!

Note: This course replaces Entrepreneurship. Students who have already completed Entrepreneurship cannot retake Business Innovations or earn credits for both courses.

LEGAL STUDIES (5 credits) – *Prerequisite: None.*

Ever wondered how the law affects your daily life? In this exciting course, you'll explore Canadian law through real cases and fascinating topics like criminal offenses, contracts, employment disputes, tenancy rights, and family law. From high-profile criminal cases to everyday legal challenges, Legal Studies brings the law to life.

Dive into private law, criminal law, and family law while learning about your rights and responsibilities. Explore real-world issues like assault, theft, and murder, and engage in lively discussions and debates.

With guest speakers and field trips including a mock trial at the University of Alberta, this course offers hands-on learning and a glimpse into the world of law. Whether you're interested in law, business, or just want to understand how the legal system works, Legal Studies is the course for you!



MARKETING (Advertising and Promotion) (5 credits) – *Prerequisite: None.*

Ever wonder how your favorite brands grab your attention? In this exciting course, you'll explore the principles of marketing, branding, promotion strategies, and social media marketing. Learn how companies identify their customers, choose logos, and decide where and how to advertise.

Through hands-on projects, you'll design creative campaigns and use technology to bring your ideas to life. Plus, field trips to local marketing teams let you see professionals in action and gain real-world insights. Whether you're into business, creativity, or technology, this course is your first step into the exciting world of marketing!

OFFICE COMPUTER SKILLS (6 credits) – *Prerequisite: None.*

The ability to use Office software is essential to many management and office positions. It is also very valuable for managing personal records for any entrepreneur or small business owner. Learn the basics of spreadsheets, presentation software, databases and word processing. Most students think they know how to use this software but are surprised of the power of spreadsheets, how little they know about databases, or how quick a mail merge can produce multiple individualized documents. This course will focus on Microsoft Office and file management but will also show the connections to Google software and have some old school touch typing drills. A must have course for anyone entering the work force or post secondary.



COMPUTER SCIENCE

Computer scientists are sought after in the workforce and there is a constant need for talented programmers. Learn key skills for employability in the 21st century. Artificial Intelligence (AI) has become a major player in phones, vehicles, internet, financial industry and more. Be part of the population that controls computers instead of a part of the population being replaced by them. **Most Alberta post secondary programs now accept Computer Science 30 as an entrance requirement and it does NOT have a diploma exam.** The programming industry is seeking well rounded individuals with a variety of interests and not just gamers. Be a part of the future! Join Computer Science!

Computer Science 10 (5 credits) – *Prerequisite: None.*

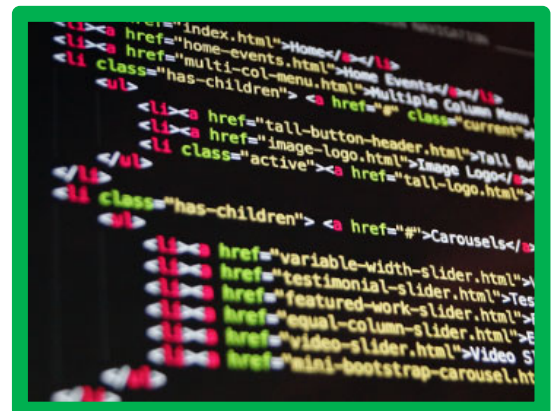
This course will have a focus on game making as we explore the field of computer science. Students will be introduced to the building blocks of programming, learn the difference between computer science, computer programming and computer engineering while creating fun games using Python.

Computer Science 20 (5 credits) - *Prerequisite: Computer Science 10*

This course is for students who completed Computer Science 10 and will have more project time. Students continue developing their understanding of Computer Science and learn the following key programming concepts:

- Procedural programming
- Data structures
- Robotics programming

This course is a programming based course with the emphasis being on writing code. Students will be introduced to machine / robotics programming using Arduinos.



Computer Science 30 (5 credits) - Prerequisite: Computer Science 20

Computer Science is a recognized 30 level Science program for university entrance. **NO DIPLOMA EXAM.** Students develop a stronger understanding of what Computer Science is and explore the following concepts:

- Iterative algorithms
- Recursive algorithms
- Object oriented programming

We will continue with Java Programming and have Arduino projects. Students will have opportunities to create unique and individualised projects.

HRH – Health, Recreation and Human Services

COSMETOLOGY

Cosmetology is the ideal course whether you are interested in pursuing a career in hair care or aesthetics, or just wanting to become more knowledgeable.

Cosmetology 10 (5 credits) – Prerequisite: None.

This introductory level introduces students to a number of cosmetology areas, such as personal grooming, long hair styling, scalp and hair care, skin care and manicuring.

Cosmetology 20 (5 credits) – Prerequisite: Cosmetology 10

Students continue to develop skills introduced at the introductory level, as well as introducing hair coloring, haircutting, makeup, and client services.

Cosmetology 30 (10 credits) – Prerequisite: Cosmetology 20

This group of modules is taught in a double block time period. Students will learn advanced techniques for hairstyling, haircutting, barbering, hair coloring, hair removal and client services.



Note that you cannot register for the 30 level (10 credits) if you have not completed the 20 level (10 credits). All 20 and 30 level Cosmetology courses are dependent on the number of students enrolled in the class.

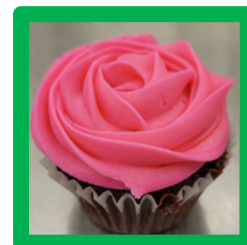
FOOD STUDIES

Explore the world of culinary and baking in the Foods program at Memorial.



Food Studies 10 (5 credits) - Prerequisite: None.

Introductory level courses help students build daily living skills through knowledge and practical lab experiences which form the basis for further learning and experience in the Foods program. Students learn about and apply safe and sanitary food handling procedures, equipment operation and care, reading recipes, the importance of efficient work habits, and the value of nutrition in their diet. Students will engage in both cooking and baking projects. Successful completion of the first module, Food Basics, is a prerequisite for all other modules that follow including: *Safe Food Handling, Contemporary Baking, Creative Cold Foods, Meal Planning, and Canadian Heritage Foods.*



Food Studies 20 (5 credits) - Prerequisite: Food Studies 10

Intermediate level courses build on the competencies developed at the introductory level. Students will continue to develop their culinary and baking skills through practical experiences in the lab. The modules we cover will include: *Cake and Pastry, Bread Products, Milk Products and Eggs, International Cuisine, and Vegetables and Fruit.*

Students continuing onto Foods 30 may be eligible to apply for a 5 credit WEX 35 opportunity.



Food Studies 30 (5 credits) - Prerequisite: Food Studies 20

Advanced level courses refine expertise, independence, and help prepare interested students for entry into the workplace or a related post-secondary program. Students will partake in a formal special event requiring planning, preparing for, and serving a four-course meal to guests. The modules we cover will include: Food Presentation, Entertaining with Food, Advanced Soups and Sauces, Yeast Products, Creative Baking, and Regional Cuisine.



Check out our Instagram page (mchs_foods) to see examples of projects that various Foods students have made in class!

SPORTS MEDICINE

Sports Medicine is a complementary course offered to any students who are interested in exploring topics pertaining to kinesiology and medicine. The course is structured to provide students with the opportunity to earn CTS credits at each level, along with additional credit opportunities through student athletic training for Memorial Athletics. Students will also receive recognition for obtaining athletic injury management, first aid and CPR knowledge and skills. Any students interested in learning more about careers in athletic therapy, kinesiology, physiotherapy, chiropractic medicine, exercise science, medicine, nursing, emergency response, paramedics and first aid would benefit from this complementary course.



Sports Medicine 15 - Introductory Level (5 credits) – Prerequisite: None.

The topics covered in Sports Medicine 15 include the following: human anatomy, physiology, health and wellness, athletic injury management, cardiopulmonary resuscitation, and nutrition.

- Certification and Recognition - Level A CPR with AED and Athletic Injury Management 1 - Alberta Sports Medicine Council of Alberta.

Sports Medicine 25 - Intermediate Level (6 credits) – Prerequisite: Sports Medicine 15.

The Sports Medicine 25 course provides students with the opportunity to further explore human anatomy and physiology. The topics covered include athletic injury management, the cardiovascular system, CPR with AED training and taping and wrapping skills of the foot, ankle, knee and hip. Students will also learn about complementary therapies that assist in rehabilitating injuries and enhancing well being.

- Certification and Recognition - Level C CPR with AED

Sports Medicine 35 - Advanced Level (5 credits) – Prerequisite: Sports Medicine 25

The Sports Medicine 35 course includes topics that pertain to advanced medical technology, human movement, back care basics, anatomy and athletic injury management of the hand, wrist, elbow and shoulder, and health care provider and standard first aid. Students may also have the opportunity to tour the Westview Health Center in Stony Plain and meet the Edmonton Oilers head athletic trainer and tour the dressing room and training facility.

- Certification and Recognition - Standard First Aid and Health Care Provider

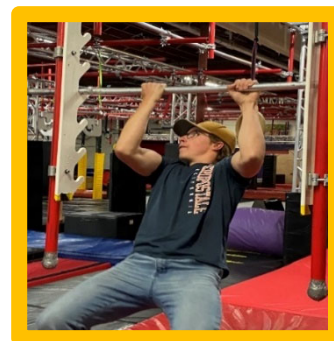


PERSONAL FITNESS

Personal Fitness Training (15-25-35) (3 or 5 credits) Prerequisites: as outlined in courses offered during regular school hours. This course offers a unique opportunity for students to train during the school day or in the morning **before our regular 8:30** classes begin because it will run from 7:00-8:20 am every other day, 2-3 days a week for one semester (3 credits) or all year (5 credits). It is recommended to any motivated students who want to explore an opportunity to improve their personal well-being. This could mean athletes who are serious about maximizing their potential in their



sport(s) of choice and/or it could be students who are looking to maximize and thrive in life in general. Students taking this class will need to be able to get transportation to the school before the start of the regular day. Also, this version of Personal Fitness will require some coursework to be completed independently. Learning and participating in this program will allow for students to gain an appreciation for how personal fitness can positively impact physical and mental health. It's just a great way to start the day! Also, it has the potential to possibly open up time during the regular school day where students can add a class, add a spare or pursue work opportunities earlier in the day. Students can earn up to 5 credits in this course.



Personal Fitness 15 (5 credits) *Prerequisite: None.*

Personal Fitness 15 is intended to help provide students with the tools to become the best version of themselves, while encouraging ways to achieve a healthier lifestyle. This course is recommended to any motivated students who want to explore an opportunity to improve their personal well-being. **Students can take Personal Fitness 15 in a co-ed class environment or they can register in Personal Fitness 15 for females only.** This program is perfect for students who want to challenge themselves, because they want to enhance their knowledge, skills, and attitudes regarding personal fitness. Through a combination of theory and practical exposure to these areas, students will be provided with a multitude of learning opportunities, such as CrossFit, metabolic conditioning, muscular strength and endurance training, and yoga. Students will also have the chance for learning opportunities outside of the school, including in areas such as firefighter training, rock climbing and boxing. Learning and participating in this program will allow for students to gain an appreciation for how personal fitness can positively impact all aspects of life.

Personal Fitness 25 (5 credits) *Prerequisite: Personal Fitness 15*

Personal Fitness 25 is a continuation of the Personal Fitness 15 curriculum. The program is designed to develop skills that senior high school students can apply in their daily lives. Through the Personal Fitness program, students are provided with opportunities to personalize their learning, identify and explore their interests in this area. Students will also have the chance for learning opportunities outside of the school, including areas such as attending high performance training facilities and attempting an official ninja warrior obstacle course. Students will also have the chance for learning opportunities outside of the school, including in areas such as firefighter training, rock climbing and boxing. Learning and participating in this program will allow for students to gain an appreciation for how personal fitness can positively impact all aspects of life.

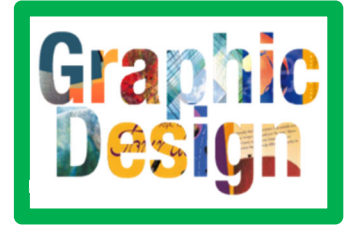
Personal Fitness 35 (5 credits) *Prerequisite: Personal Fitness 25*

Personal Fitness 35 is a continuation of the Personal Fitness 25 curriculum. The program is designed to develop skills that senior high school students can apply in their daily lives. Through the Personal Fitness program, students are provided with opportunities to personalize their learning, identify and explore their interests in this area. Students will also have the chance for learning opportunities outside of the school, including areas such as attending high performance training facilities and attempting an official ninja warrior obstacle course. Students will also have the chance for learning opportunities outside of the school, including in areas such as firefighter training, rock climbing and boxing. Learning and participating in this program will allow for students to gain an appreciation for how personal fitness can positively impact all aspects of life.



MDC – Media, Design and Communication Arts

COMMUNICATION TECHNOLOGY – Also known as “GRAPHIC DESIGN”



In Communication Technology, students will work primarily in a lab setting/environment. They will be learning graphic design and applying the designs to create a variety of finished products, such as t-shirts, coffee mugs, movie posters, banners and much more. This is a very hands-on course that is performance based. Students will learn a variety of skills that could translate into future career aspects. They will be learning practical skills, time management skills and they will stretch their creative side. Students can also earn extra credits in all courses if they work efficiently.

Communication Technology 10 (5 credits) – *Prerequisite: None.*

At this level, students work on:

- Screen Printing (clothing, card stock, stickers, window cling, etc.)
- Computer Graphics (laser engraving, learning various software programs including Corel Draw and Adobe Photoshop, understanding the basics of visual composition, elements of design, graphic arts, typography, etc.)
- Photography (taking better photos with a DSLR camera, learning about and using a variety of lenses, learning to alter or manipulate photos using the computer, create new and interesting art using photos, etc.)

Communication Technology 20 (5 credits) – *Prerequisite: Communication Technology 10*

In this **intermediate** course students will cover:

- Screen-Printing (textile printing, learning how to use multicolor photographic emulsion, release prints, etc.)
- Photography (utilizing a variety of photographic techniques, maturing photographic skills, learning more features of a DSLR camera, etc.)
- Learning how to communicate using photography
- Increasing graphic design skills
- Using the large plotter printer and vinyl cutter.
- Desktop Publishing (increased knowledge of using programs such as Corel Draw and Adobe Illustrator, creating practical designs that can have more real world uses, etc.)
- Digital Photography/Processing (increased knowledge of programs such as Adobe Photoshop, Adobe Illustrator, Corel Draw, using various photographic equipment)
- Laser Engraving (learning to make designs in programs that can then be produced on the laser engraver)

Communication Technology 30 (5 credits) – *Prerequisite: Communication Technology 20*

In this **advanced** course students will cover:

- Screen-Printing (textile printing, using photographic emulsion, release prints, etc.)
- Multicolor print design
- Photography (increased knowledge of the digital camera, lighting techniques, portrait studios, etc.)
- Desktop Imaging, Digital Photo, Image Manipulation (advanced usage of programs such as Corel Draw, Adobe Photoshop, Adobe Illustrator, Adobe InDesign)
- Large Format Printing (learning about how to use the large format printer, making practical items such as signs, creating gallery quality prints, etc.)
- Sign Making (learning how to use the vinyl cutter)
- Customer Service (creating products for the school, local businesses and non-profit organizations)

COMPUTERIZED NUMERICAL CONTROLLED DESIGN COURSES 10/20/30 (5 credits ea.) – *Prerequisite: None.*

This course will allow students the opportunity to learn the art of practical design using CAD and CNC software and machinery to design and build functional 2-D and 3-D projects using multiple forms of media including, but not limited



to, steel, wood, plastics, paper products and more! MCHS has acquired state of the art machinery including:

- Four 3D printers
- High end Laguna CNC **router** for engraving and cutting wood
- 100 watt Co2 **laser** capable of engraving and cutting acrylic, leather, wood, coated metal products and more
- Plasmacam CNC **plasma cutter** capable of cutting any shape out of steel imaginable!
- Access to all common pneumatic, battery powered and electrical tools
- Individual computers for students to complete their designs.

This course will primarily focus on designing and building projects with an emphasis on safety, effective design concepts, efficient building techniques and material selection. This program will require students to use computer software to aid in the design and control of the machinery to produce the parts for their projects. This course will be very much a “hands-on” learning experience that will enable students to produce various projects that will be taken home. Students who like to work with their hands and be creative at the same time will really enjoy this course. This course prepares students for the realities of “real world” work site experiences as most industrial, manufacturing, trades and engineering sectors have adopted CNC technology.

VIDEO BROADCASTING AND EDITING

Master the art of communicating with video. Learn how and why different shots are combined to create powerful visual messages. Create commercials, short films and live video broadcasts. This is a very student directed program.

Memorial is looking for students who want to take on an active role in adding the following to their school:

- Broadcast school announcements
- Broadcast school sporting events
- Produce video content for the school TV's
- Fine Arts performances
- Introduction to after effects

Video Broadcasting and Editing 10 (5 credits) – Prerequisites: None.

Students learn the basics of video broadcasting and editing. Students will learn how the tricastor works to create live broadcasts, learn camera shots, video editing and using a green screen. Projects will include a live video broadcast and creating various videos for the school, school division or a video contest.

Video Broadcast and Editing 20/30 (5 credits) – Prerequisites: Video Broadcasting and Editing 10

This is a 5-credit class that students can take twice. Students will not earn 30 level credits until they have completed the required 20 level credits. Expanding on basic video editing skills, students will learn the three parts of movies and broadcasts: preproduction, production and post-production. Students’ projects will include:

- Video broadcasts
- Edited news pieces
- Using special effects / after effects
- Edited videos / commercials
- 30 minute film / show
- A series of shorter videos
- A combination of videos and broadcasts

WEB DESIGN

In today’s world people are connected more and more via the Internet whether it is for business or personal life. What is CSS, HTML, DHTML, XML, CMS and how do people make websites in the real world? Web Design answers these questions and lets you create a number of web projects along the way.



Web Design 10 (5 credits) – Prerequisite: None.

Students are introduced to the basics of visual composition as it relates to web pages, the programming language of the internet (HTML), industry software for creating web pages. Explore online development tools for blogs and websites.

Web Design 20 / 30 (5 credits) – Prerequisite: Web Design 10

This is a project based class students can take twice. Students will not earn 30 level credits until they have completed the required 20 level credits. Students explore areas of web design that interest them the most and are exposed to mobile web development, JavaScript, design, CSS, database and server side scripting and then choose their own focus and direction with several different project options including:

- Use web design skills to make smartphone apps using Phone Gap
- Designing web layouts and templates
- Content management systems (like the school monitors)
- Enter Skills Canada contest
- Making websites for themselves or others

NAT – Natural Resources

In this cluster, students develop the motivation and commitment to work individually and collectively as private citizens and members of the workforce toward the conservation and responsible use of air, energy, forests, land, minerals, water and wildlife.



ENVIRONMENT OUTDOOR EDUCATION

The E.O.E program at Memorial Composite High School is an excellent student-centered program where students learn to challenge themselves mentally, physically, socially and emotionally. This program is geared towards students who love being outdoors, learning new skills, and being active. Students' participation in Outdoor Education will see them explore a variety of activities on and off the campus; the goal of all of these courses is to motivate students to embrace adventure in the outdoors.

Environment Outdoor Education 10 (5 Credits) - Prerequisite: None

In Environment Outdoor Education 10 (EOE 10), students will utilize the great outdoors as a classroom and incorporate many skills to learn how to live an active and healthy lifestyle. The focus of these courses is on building outdoor skills such as leadership, excursion, trip planning, wilderness navigation, survival, outdoor cooking and utilizing those skills both in the classroom and the outdoors. Excursions are tailored to the seasons (camping, canoeing, rock climbing, geocaching, orienteering, etc.).



Environment Outdoor Education 20 (5 Credits) Prerequisite: EOE 10

Students will build on concepts and skills developed in EOE 10. A mark of 65% or higher in Outdoor Education 10 is recommended for entry into this course. Environmental and outdoor topics will be covered in more depth and the expectations for students' proficiency in skills, knowledge, and activities will be increased. Students will participate in a variety of outdoor activities and demonstrate skills to live an active and healthy lifestyle. This course will feature an outdoor wilderness excursion that students will work towards in terms of planning, skills, and preparedness. Students will also have the opportunity to gain some certifications in or resulting from this course (I.E. First Aid/CPR & Boating Safety) as well as the opportunity to attend a camping trip.



Environment Outdoor Education 30 (5 Credits) Prerequisite: EOE 20

The Environmental Outdoor Education 30 course will build on concepts covered in EOE 20. A mark of 65% or higher in Outdoor Education 20 is recommended for entry into this course. This course will foster students' awareness and contributions in regards to connections to the natural world, as a foundation for the development of responsible community members. This course is designed to help students develop and demonstrate leadership attitudes, skills and knowledge in the planning and implementation of activities in the outdoors. The focus of this course will be on building outdoor leadership skills, excursion skills, guiding skills, cooking skills, navigational skills, and wildlife awareness/management skills and utilizing those skills both in the classroom and the outdoors. Students will be able to work towards getting their Hunter Education Certification. Students also have the opportunity to attend a camping trip and excursions are tailored to the seasons (canoeing, backpacking, hiking, backcountry skiing, climbing, mountain biking, etc.).

TMT – Trades, Manufacturing and Transportation



CONSTRUCTION TECHNOLOGY

Construction class opens up a world of opportunities for many different careers such as carpentry, cabinetmaking, furniture making, and CNC operations to name a few. Maybe you enjoy woodworking as a hobby and want to learn the basics to become a home workshop entrepreneur. Whatever your interests are, in Construction Technology you will spend the majority of your time working with your hands to create many take home projects from cutting boards, serving trays and CNC signs, to toolboxes in Grade 10, cabinets in grade 11 and coffee tables in grade 12 just to name a few. Group projects may include garden sheds, outdoor furniture and various customer projects.



Construction Technology 10 (5 credits) – Prerequisite: None.

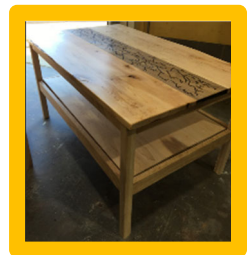
In this introductory level course students will learn safety, tools and processes at the basic level for carpentry and cabinetmaking as they build various projects. Courses are as follows:

- CON1010 Basic Tools & Materials
- CON1070 Building Construction
- CON1120 Project Management
- CON1130 Solid Stock Construction
- CON1140 Turning Operations
- CON1160 Manufactured Materials

Construction Technology 20 (5 credits) – Prerequisite: Construction Technology 10

In this intermediate level course, students will learn building techniques at the intermediate level as they take more control over stationary and power tools in the shop setting. Projects become more complicated as students work more independently on cabinetmaking and in groups building custom garden sheds. Courses include:

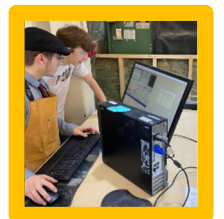
- CON2035 Floor Framing Systems
- CON2045 Wall Framing Systems
- CON2050 Roofing systems
- CON2060 Doors Windows and Siding
- CON2130 Furniture Making Box Construction
- CON2150 Finishing and Refinishing
- CON2160 Cabinetmaking Web and Face Frame
- CON2170 Cabinetmaking Drawer and Door
- CON2200 Project Development



Construction Technology 30 (5 credits) - Prerequisite: Construction Technology 20

In this advanced level course, students will learn advanced techniques and mostly work independently on individual cabinetmaking and furniture making projects. Carpentry will be included where projects are suitable.

- CON3030 Wall and Ceiling Finishing
- CON3050 Roof Structures II
- CON3060 Doors and Trim
- CON3070 Floor Finishing
- CON3120 Tool Maintenance
- CON3130 Furniture Making Leg and Rail
- CON3160 Cabinetmaking 3 Cabinets and Countertops
- CON3170 Cabinetmaking 4 Layout and Installation
- CON3190 Production Planning



FABRICATION

Fabrication class is a great choice for students who enjoy a hands-on approach to learning. Students will spend 98% of their time in the shop learning different ways to weld, join, cut, shape and finish metal to create desirable and practical projects. This course has something to offer for everyone. Whether you just like to build things or you want to pursue a career in welding, this course is for you!



Fabrication 10 (5 credits) – *Prerequisite: None.*

- Tools & Material (mandatory)
- Basic Electric Welding (Arc Welding)
- Oxy-acetylene Welding
- Semi-Automated Welding (mig & flux core welding)
- Bar and Tubular Fabrication (projects)



Fabrication 20 (5 credits) - *Prerequisite: Fabrication 10.*

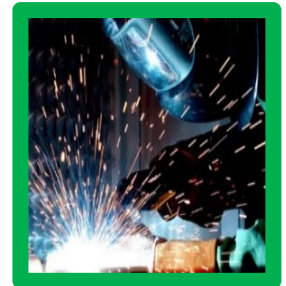
- Oxy-fuel Welding
- Stick Welding
- Gas Metal Arc Welding (mig welding)
- Flux Core Arc Welding

- Custom Fabrication (project design and fabrication)
- Thermal Cutting (Plasma and Oxy-fuel)
- CNC Plasma Cutting

Fabrication 30 (5 credits) - *Prerequisite: Fabrication 20.*

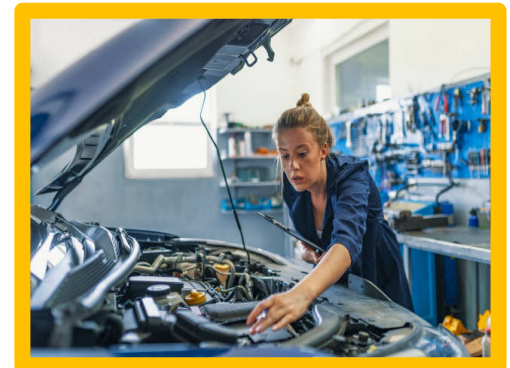
- Arc Welding 3
- Arc Welding 4
- Gas Metal Arc Welding 2
- Flux Core Arc Welding 2

- Custom Fabrication (projects)
- Gas Tungsten Arc Welding (TIG)
- CNC Plasma Cutting
- Aluminum Welding



MECHANICS

Students enrolled in MCHS Mechanics will have the opportunity to increase their knowledge and skills related to the design and maintenance of a variety of different vehicles, machines and tools. Whether a student plans for a work-related role in the industry or simply wants to be an informed owner/operator of a vehicle, the MCHS Mechanics program should be viewed as an excellent educational opportunity for all secondary students. The Auto Service program is designed to create a meaningful hands-on educational environment for all students. Students will learn the current methods and repair practices used in today's industries. Students will also have the opportunity to learn about both the business and service aspect of an automotive shop.



Mechanics 10 (5 credits) – *Prerequisite: None.*

Mechanics 10 will help students build a knowledge base important in understanding the safe work practices required when performing various mechanics projects. As well, students will begin to understand mechanical systems and how to perform the multiple skills required in maintenance and repair. Emphasis will be placed on but not limited to:

- Safety/Tools
- Vehicle Service & Care
- Electrical Fundamentals
- Ride & Control Systems
- Engine Fundamentals
- Mechanical Systems



Mechanics 20 (5 credits) – Prerequisite: Mechanics 10

Mechanics 20 will build upon previous concepts listed above, as well as introduce more specific issues when troubleshooting a vehicle. Students will have the opportunity to diversify their expertise in mechanical systems. Building skills to aid them in any trade or real world challenges. Emphasis will be placed on but not limited to:

- Vehicle Maintenance
- Vehicle Braking Systems
- Steering & Suspension Systems
- Electrical Diagnosis
- Alternative Fuel Engines

Mechanics 20 - Heavy Duty (5 credits) - Prerequisite: Mechanics 10

Mechanics 20 - Heavy Duty will be an intermediate level course where students will expand on concepts already touched upon in their introductory level mechanics courses. This course will differ from traditional *Mechanics 20* streaming offered at Memorial by focusing on; diesel internal combustion engines, emission systems unique to diesel engine operation, hydraulic systems found on Off-Road heavy equipment, air brakes systems, as well as air ride suspension systems commonly found on On-Highway heavy equipment. **Note: Heavy Duty Mechanics 20 will be offered during period 5 programming (3:30-4:50 pm). As such students will be responsible for their own transportation after classes. Emphasis will be placed on but not limited to:**

- Alternative Fuel Engines
- Electrical Components
- Transmissions/Transaxles
- Suspension Systems
- Emission Controls
- Hydraulic Accessories
- Braking Systems

Mechanics 30 (5 credits) – Prerequisite: Mechanics 20

Mechanics 30 will introduce new concepts, such as engine rebuilding and vehicle diagnosis. Most of the advanced level mechanics will consist of customer service work. Students will have the opportunity to learn advanced diagnostic skills to determine when a mechanical system is faulty or in need of repair. Emphasis will be placed on but not limited to:

- Engines/Tune-ups
- Automotive Computer Systems
- Engine Removal and Installation
- Hybrid and Electronic Systems



OFF CAMPUS OPTIONS

WORK EXPERIENCE - Prerequisite: HCS3000 – *Note: this prerequisite module can be completed through AAC. Arrangements can be made through your Grade Administrator or a Counsellor in Student Services.*

Work Experience is a program authorized by the Province of Alberta where students are placed with employers to become familiar with the working world. In addition to learning new skills and tasks, the on-site job experiences provide students with an opportunity to develop and enhance transferable work-related skills, establish a work record, and earn an employer reference that may help them obtain future employment. The student is enrolled in Work Experience 15, 25, or 35 depending on their grade level, level of experience, and the growth and development taking place at the work site. With the cooperation of the Off-Campus Education Coordinator and the employer, students may earn up to 30 high school credits in Work Experience, 15 of which can be used towards meeting the 100 credit requirement for a high school diploma. Students must work a minimum of 75 hours (3 credits) to earn any credits. Students can earn 3, 4, 5, 6, 7, 8, 9 or 10 credits in each of the three work experiences courses (Work Experience 15, 25 and 35).

REGISTERED APPRENTICESHIP PROGRAM (RAP) - Prerequisite: HCS3000 and HCS3010– *Note: these prerequisite courses can be completed through AAC if needed. Arrangements can be made through your Grade Administrator or a Counsellor in Student Services.*

The RAP program is an apprenticeship program for senior high school students who are 15 years of age and older. RAP students are registered as both full-time students and registered apprentices, and must be actively working toward the completion of their senior high school diploma. The amount of time a RAP student spends at school and on the worksite can be quite flexible, allowing the student to divide his or her time between an approved work site and other required high school courses. The RAP apprentice attends classes, completes school assignments, and maintains passing grades as a student. The student, school, and employer jointly agree to a suitable schedule. All hours of work in this program are applied to the acquisition of a journeyman certificate, and students can earn up to 40 high school credits that can be applied to your high school diploma.

The RAP apprentice is registered with Alberta Industry Training and works under the supervision of a certified journeyman in their specific trade, and is expected to take on the same responsibilities as a regular apprentice and be just as productive. The RAP apprentice is expected to be punctual, complete tasks as assigned and observe all safety regulations and other rules of the employer.

Students are responsible for finding the company and/or journeyman to apprentice under. Some help for placement is available through CAREERS the Next Generation and the Off-Campus Education Coordinator. Students may be set up on a Work Experience Contract for a probationary period before they apply for their apprenticeship papers (Bluebook). When at the stage where they are enrolling in their apprenticeship, they will transition into the Registered Apprenticeship Program.

GREEN CERTIFICATE - Prerequisite: AGR3000 - *Note: this prerequisite course can be completed through AAC if needed. Arrangements can be made through your Grade Administrator or a Counsellor in Student Services.*

The Green Certificate Program is an apprenticeship-style agricultural training program that offers eleven specialization areas for students to choose from. These include beekeeping, cow-calf, dairy, equine, feedlot, field crop, greenhouse, irrigated crop, poultry, sheep and swine. Trainees in the program work with a trainer who is knowledgeable in the



particular specialization. As the program is hands-on, trainees actively learn skills by following their trainer's lead and are also responsible for learning the skills in the training manual. As the trainee progresses at mastering the skills in each of the three training periods, they are presented with testing opportunities to work towards certification. Upon completion of the program, trainees earn up to 16 high school credits (33-level) and receive a certificate from Alberta Agriculture and Forestry. At the high school level, the program operates under the supervision of a school representative following the Off-Campus Education Policy. The Green Certificate Regional Coordinator leads introduction meetings, schedules testing and training events and is available for support to trainees and trainers.

To register for the Work Experience, RAP or Green Certificate Program, you must speak with the Student Services secretary to book an appointment with the Off-Campus Education Coordinator.

CONNECTIONS FOR LEARNING

Connections for Learning High School Outreach provides flexible, innovative programming to help students realize success in their career and educational goals. This program focuses on the individual needs of high school students. The students, parents, teachers and administration collaborate closely together to create a personalized program plan designed specifically to meet the academic, social/emotional, health and wellness learning needs of each individual student.

Programming is available for students to earn an Alberta High School Diploma or an Alberta High School Certificate of Achievement. This can be achieved through individualized outreach programming or other alternative High School programs that Connections for Learning offers.



Location:

All registrations for outreach programming is completed at Connections for Learning, while the programming itself is offered at three additional locations.

Spruce Grove High School Outreach

Located at Ecole Broxton Park School

505 McLeod Avenue, Spruce Grove

Hours of Operation:

Monday to Thursday: 8:30am-4pm

Tuesday Evenings: 4:30-7:30pm

Thursday Evenings: 4:30-8pm

Friday Mornings: 8:30-11:45am (for course material pick-up and drop-off only)

For more information contact:

Connections For Learning Email: cfl@psd.ca

Phone: 780-963-0507

Fax: 780-968-1088



Programs Available:

[Building Futures - Grade 10 Program](#)

Building Futures is an immersive and unique program where students learn how to build a house from the ground up. Thanks to the generous support of Coventry Homes and Parkland School Division, students are able to earn their academic requirements towards their diploma, all while learning how to build a house by actually doing so. Students in the program learn their core courses from specialized academic teachers in a re-purposed garage in Spruce Grove. Classroom work emphasizes mastery learning and a good deal of hands-on, project-based learning. The program allows for individualized instruction and an environment where students can pursue their passions. By the end of the year, with the help and instruction of qualified tradespeople, the students build two complete houses while learning how to contribute to their community.

At the conclusion of the year, students will have had the opportunity to earn credit in the following high school courses:

- English 10-1 or English 10-2
- Social Studies 10-1 or Social Studies 10-2
- Science 10 or Science 14
- Math 10C or Math 10-3
- Physical Education 10 (5 credit)
- CALM
- HCS 3000 & HCS 3010 (Workplace Safety Systems)
- 18 CTS courses in the CON (Construction) strand
- Additional CTS credits based on student interest and projects pursued (e.g. Entrepreneurship, Marketing, Computer Science, etc.)
- **Total of 50+ Credits available for students to earn in their grade 10 year.**

Please visit <https://cfl.psd.ca/programs/building-futures> for more information.

[Building Futures - Grade 11/12 Program](#)

Building Futures Apprenticeships is an extension of the Building Futures Grade 10 program and is intended for students who missed the opportunity to complete this program in Grade 10, and for students who are exploring the Registered Apprenticeship Program (RAP). This program exposes students to various Alberta trades, as well as many other vocations within the construction industry such as design, architecture, real estate, sales, marketing and so much more. For students interested in RAP, this course is a great way to explore what trade to pursue and provides a head start to their apprenticeship.

This program is available to Grade 11 and 12 students attending Memorial Composite High School, Spruce Grove Composite High School or Connections for Learning interested in pursuing a career in a home building trade. Students will have the opportunity to participate and earn some or all credits in safety, site prep, concrete, framing, electrical, plumbing, HVAC, drywall, insulation, taping and mudding, cabinetry installation, floor coverings and finish carpentry. Students can expect to earn up to 10 construction credits per semester enrolled in Building Futures Apprenticeships.

[Outreach](#)

Connections for Learning Junior High & High School Outreach provides flexible, innovative programming to help students realize success in their career and educational goals. This program focuses on the individual needs of students. The students, parents, teachers and administration collaborate closely together to create a personalized program plan designed specifically to meet the academic, social/emotional, health and wellness learning needs of each individual student.

Programming is available for students to earn an Alberta High School Diploma or an Alberta High School Certificate of



Achievement. This can be achieved through individualized outreach programming or other alternative High School programs that Connections for Learning offers. For more information about other alternative High School programming, please visit the Programs section of our website or contact the Connections for Learning office.

[Parkland Student Athlete Academy](#)

The Parkland Student Athlete Academy (PSAA) is a program that provides student athletes in pursuit of high performance with technical, theoretical and experiential opportunities, while keeping them engaged in a rich and complete school community focused on academic achievement. Our aim is to provide local, high quality affordable options for unique high performance sport programming.

This program is a collaboration between Parkland School Division and a number of community partners who offer high quality athletic development in their given sport. This program fosters a long-term approach to high performance athletic development, centered around the physical, mental, emotional and cognitive improvement of the student athletes.

Please visit <https://cfl.psd.ca/PSAA> for more information.

[Summer School](#)

Parkland School Division offers Summer School for current and incoming high school students at Connections For Learning. Lists of courses, times and dates will be posted on their website closer to March 2024. Students over age 18 are also welcome to register, and select courses are open to students who have completed grade 7.

Summer School is not only a convenient way to upgrade your marks - it's also a great opportunity to get a head start on the new school year, freeing up your future schedule for courses you didn't think you'd have time to take.

Take one of our wide range of available courses, and:

- Upgrade your marks
- Make room in your high school schedule for courses that previously wouldn't fit
- Choose a course delivery method that suits your learning style
- Explore exciting career opportunities
- Earn high school credits - even on the job or at summer camp!

[Virtual Learning](#)

Virtual Learning students have the opportunity to make meaningful connections between their life and their learning. Through flexibility in education delivery and programming, Virtual Learning allows students to explore their world outside of school while taking every opportunity to link these endeavors to their school experience.

Students may be looking to schedule their education around travel, athletic pursuits, work responsibilities or any other unique experiences that present themselves. Parents may be looking to take on a more involved role in their child's learning journey, or connect their child with an opportunity that will enrich their lived and learned experience. Virtual Learning can be a great solution in any of these scenarios.

Benefits of Virtual Learning

- **Flexibility** - Integrate your education into your lifestyle.
- **Location** - Learn from anywhere with an internet connection.
- **Pace** - Adjust the pace in which you move through the Alberta Curriculum to meet your needs.
- **Content** - Access, play, pause and repeat engaging lessons at your convenience.



- **Collaboration** - Work with our staff to create a personalized plan that suits you.
- **Opportunity** - Integrate your passions into your education.
- **Communication** - Get the guidance you need from your teacher in real time, or at a time that works for you.
- **Connection** - Connect with your teacher through a user-friendly and tool-rich Learning Management System.
- **Community** - Interact with other students and staff in small groups or one-on-one.
- **Choice** - Demonstrate your learning in a variety of different ways.
- **Feedback** - Receive grades and comments on your progress in a timely manner.

Dual Credit

Dual Credit is an opportunity to earn both high school and post-secondary credits while still in high school. Dual credit can get you started on a post-secondary certificate, diploma, or degree. Upon successful completion of a course, dual credit students earn five 30-level CTS credits and three post-secondary credits in the specific course they completed. This is a unique opportunity to try a course and determine your level of interest in further pursuing it, or completing a course that you know will be needed in your post-secondary pathway. Most dual credit courses are offered online and asynchronous. Speak to your grade coordinator to learn more and register for a course!



LIFE AFTER HIGH SCHOOL

There are several online resources that can be used by students and parents to plan for life after high school.

Alberta Learning Information Service
www.alis.alberta.ca

Alberta Apprenticeship and Industry Training
www.tradesecrets.alberta.ca

myBlueprint
www.myblueprint.ca



All post-secondary schools have information regarding admissions and requirements for diploma, certificate or degree programs available online. Some common institutions that students from Memorial Composite High School choose to attend in the Edmonton Area are listed below. For institutions outside of the Edmonton area a web-search could be used to find these.

University of Alberta
www.ualberta.ca



Concordia University of Edmonton
www.concordia.ab.ca



NAIT – Northern Alberta Institute of Technology
www.nait.ca



MacEwan University
www.macewan.ca



The King's University
www.kingsu.ca



Norquest College
www.norquest.ca



AWARDS

Grade 10, 11, 12 Honours Awards – based on a weighted average of course marks

Alexander Rutherford – Available to students accepted into post-secondary studies who have achieved the following criteria: (Note: Search “Alexander Rutherford Scholarship” for complete information.)

Grade 10

Average of 75.0 - 79.9% in **five** subjects = \$300.00

Average of 80% or higher in **five** subjects = \$400.00

- English 10-1 or 10-2
- At least two of the following
 - Mathematics 10C
 - Science 10
 - Social Studies 10-1 or 10-2
 - Second Language (10 level)
- Any two courses with a minimum three credit value at the grade 10 level (1000 or 4000 series) including those listed above and combined introductory CTS courses.

Grade 11

Average of 75.0 - 79.9% in **five** subjects = \$500.00

Average of 80% or higher in **five** subjects = \$800.00

- English 20-1 or 20-2
- At least two of the following:
 - Mathematics 20-1 or 20-2
 - Science 20
 - Biology 20
 - Chemistry 20
 - Physics 20
 - Social Studies 20-1 or 20-2
 - Second Language (20 level)
- Any two courses with a minimum three credit value at the grade 11 level (2000 or 5000 series) including those listed above and combined intermediate CTS courses.



Grade 12

Average of 75.0 - 79.9% in **five** subjects = \$700.00

Average of 80% or higher in **five** subjects = \$1300.00

- English 30-1 or 30-2
- At least two of the following:
 - Mathematics 30-1, 30-2 or 31
 - Science 30
 - Biology 30
 - Chemistry 30
 - Physics 30
 - Social Studies 30-1 or 30-2
 - Second Language (30 level)
- Any two courses with a minimum five credit value at the grade 12 level (3000, 6000 or 9000 series) including those listed above and combined advanced CTS courses.

Memorial is pleased to partner with numerous community businesses and organizations in Stony Plain and Parkland County to offer a robust range of awards for MCHS graduates. In addition, Student Services provides information on numerous other awards that are available for application by Alberta and Canadian students. Please refer to the [MCHS Awards and Scholarships](#) page often as it is updated throughout the school year.

