Collège Miles Macdonell Collegiate

River East Transcona School Division

COURSE HANDBOOK

2022 - 2023

TABLE OF CONTENTS

clip art: freepik.com

MISSION STATEMENT

At Collège Miles Macdonell Collegiate we value the development of critical thinkers who responsibly and compassionately contribute to a more peaceful, sustainable and equitable world.
The compass represents our four core values.

Direction

We value perseverance: setting and pursuing goals and developing leadership skills.

Exploration

We value inquiry:

being academically dedicated, thoughtful, and intellectual risk-takers who consider both global and local issues.

Inclusion

We value balance: supporting all members of our community, inclusive of language, culture, and background.

Compassion

We value service: striving to be caring, empathetic citizens.

BUCKEYES

As students experience a myriad of programs, courses, community events, activities, and clubs at Collège Miles Macdonell Collegiate, they will also learn about themselves. The key characteristics of being a Buckeye are traits that students can carry with them throughout their lives. Once a Buckeye, always a Buckeye!

B - BOLD:	We are confident. *Nous sommes confiants.*
U - UNITED:	We are connected. *Nous faisons partie d'une communauté.*
C - CREATIVE:	We are imaginative. *Nous avons de l'imagination.*
K - KNOWLEDGEABLE:	We are curious. *Nous sommes curieux.*
E - EMPOWERED:	We are responsible. *Nous sommes responsables.*
Y - YOURSELF:	We are unique. *Nous sommes uniques.*
E - ENTHUSIASTIC:	We are positive. *Nous sommes enthousiastes.*
S - SELFLESS:	We are caring. *Nous sommes sympathiques.*

MESSAGE FROM THE **PRINCIPAL**

Thank you for your interest in Collège Miles Macdonell Collegiate. We are extremely proud of our wide variety of academic programs, our extra-curricular opportunities, and the dedicated staff and students who bring life to our school.

In this handbook you will find information on all courses and you will find details on the following programs:

1. Regular High School Diploma
2. French Immersion
3. International Baccalaureate
4. sTeam
5. English as an Additional Language

We offer optional courses that will complement the mandated provincial requirements. Please read through this booklet and select those programs and courses that you will find interesting and will challenge you academically. Thoughful planning is an integral part of the registration process.

If you have any questions about the course options or the registration process, please contact the counsellors in our Student Services Department. Welcome to Collège Miles Macdonell Collegiate!

Mr. J. Muller, Principal

HOW TO USE THIS **HANDBOOK**

1. Read the introductory pages of this handbook carefully. They contain information that will help you choose the program of study that is right for you.
2. Courses offered at Collège Miles Macdonell Collegiate are listed by departments, beginning on page 21.
3. Not every course is offered every year. Course offering is dependent on student enrolment and interest, as well as school staffing. The maximum number of credits available to each student may be limited but will provide them the required 30 credits for graduation.
4. Assistance with course selection is available from Student Services, teacher advisors, and classroom teachers.

CURRENT GRADE 8 STUDENTS AND FAMILIES &

NEW STUDENTS ENTERING GRADES 10-12 AND FAMILIES:

Information will be posted on the school website on:

Wednesday, February 16th, 2022

2022 - 2023 SCHOOL YEAR

We are excited to be starting the registration process for 2022 – 2023 school year. This past year 2021 – 2022, students were teamed into groups, with the movement of students within the school carefully managed to reduce the number of contacts, and they were assigned specific entrance and exit times all with safety in mind. Student scheduling had to be significantly changed to accommodate the public health restrictions in place.

As we look at scheduling for 2022 – 2023 we will be exploring different types of schedules for students as this plan needs to be fluid and ready to make changes with any present public health restrictions for September.

Regardless of student scheduling, we are dedicated to providing a quality educational experience for our students. More specific information to be shared prior to school start up in the fall.

REGISTRATION

Applications for the 2022–2023 school year will be available from ***January 28 - January 29, 2022*** from middle years schools in RETSD.

- Grade 9 applications must be approved and signed by the Middle Years counsellor or administrator and the parent/guardian.
- Completed application packages must be forwarded to the counsellor of the student's Middle Years school by **Tuesday, March 1, 2022**.
- Students should select compulsory courses first, followed by optional courses.
- Students should consider graduation requirements and future planning. All students will require a minimum of 30 credits to receive a provincial diploma.
- A completed application form will include the following documents:
    - Student registration form
    - Course selection form
    - Internet, e-mail, media, PE/Health and Smudging permission forms
    - School of choice form (if applicable: in division or out-of-division)
    - Most recent transcript for students new to RETSD
    - Proof of residence for students new to RETSD

STUDENT FEES 2022 – 2023

Incidentals	25.00
Yearbook	25.00
TOTAL	**$50.00**

DIRECT ENTRY ELIGIBILITY

- REGULAR PROGRAMMING: Collège Miles Macdonell Collegiate catchment information located on the RETSD website using the school location tool provided
- FRENCH IMMERSION: River East side of the school division only
- INTERNATIONAL BACCALAUREATE: All of RETSD
- sTeam: River East side of the school division only

SCHOOL OF CHOICE APPLICATION PROCESS

If not eligible for direct entry, students are welcome to apply under Schools of Choice:

- IN DIVISION OUT OF CATCHMENT SCHOOL OF CHOICE
  Applications to feeder schools by **March 1** and forwarded to Collège Miles Macdonell Collegiate by the feeder school by **March 9**. Parents will be notified by the Principal of Collège Miles Macdonell by **June 30** as directed by RETSD Senior Administration.

- OUT-OF-DIVISION SCHOOL OF CHOICE:
  May 2 is the opening date for applications to be accepted.

  September 30 is the deadline for completed Out-of-Division School of Choice applications to be submitted.

- Parents will be notified by the Principal of Collège Miles Macdonell Collegiate by June 30th as directed by RETSD Senior Administration.

Due Dates for Applications to Collège Miles Macdonell Collegiate

March 1
Completed registration forms for In-Division students submitted to middle years schools in the River East Transcona School Division. Middle years schools will also accept In-Division school of choice applications.

March 9
Completed registration forms (school of choice forms if required) forwarded to Collège Miles Macdonell Collegiate by sending schools.

May 2
Out of Division school of choice applications accepted.

May 23 - September 30
Out-of-Division school of choice applications accepted.

DIVISIONAL PROGRAMS

Students residing within the River East Transcona School Division may apply for Divisional Programs. Out of catchment, in-division students must maintain status within their designated Divisional Program in order to remain registered at Collège Miles Macdonell Collegiate.

French Immersion

French Immersion students from École John Henderson Middle School and École Munroe Middle School may apply to the French Immersion Program at Collège Miles Macdonell Collegiate.

To obtain a provincial French Immersion Diploma, students will need to earn a minimum of 14 credits in French instruction.

International Baccalaureate Program

Students from schools within the River East Transcona School Division may choose to apply to the International Baccalaureate Program (IB) at Collège Miles Macdonell Collegiate. IB program is an internationally recognized program for capable and motivated students.

Students in Grade 10 may need to take some accelerated courses to develop the skills and knowledge necessary to complete the IB Diploma. The program officially begins in Grade 11. Students who complete all the requirements of the program will receive the International Baccalaureate Diploma.

French Immersion students may take a combination of French Immersion and IB courses; it is possible to earn both a French Immersion Diploma and an IB Diploma.

sTeam

The sTeam Program provides innovative and interdisciplinary programming for a wide range of students through skill-building. sTeam provides students an opportunity, through project-based inquiry, to fulfill multiple credit requirements. In the sTeam Program students explore topics and issues that they are passionate about. sTeam teachers facilitate students' learning by helping them connect to the curriculum and the community. Through sTeam learning, students will develop skills in collaboration, critical thinking, creativity, communication, character, and citizenship. Students who apply for the sTeam Program should appreciate interdisciplinary learning through technology, design, experimentation, and self-reflection. Students will focus on community building, self-awareness and resiliency and should enjoy cooperating with peers on group projects and collaborative learning explorations. There is a strong focus on sharing and celebrating learning with peers. Students in this program will also be connected with industry partners and engage in learning around high-potential careers with multiple paths. Students applying to the sTeam Program should demonstrate a commitment to learning and exploring new ideas that look towards creating positive community and global change. The sTeam program begins in Grade 10. Students interested in pursuing the sTeam pathway in Grade 10, must submit an expression of interest form for sTeam with their Grade 9 Registration form.

SCHOOL ORGANIZATION

The Teacher Advisor System
Each student is assigned a teacher advisor (TA). The TA serves as the student's advocate. TA groups meets regularly throughout the school year.

The Semester System
The school year is divided into two semesters, each of approximately 100 days. Semester One runs from September through to the end of January, and Semester Two runs from February to the end of June. Each full course is the equivalent of one credit and each half course is the equivalent of one half credit.

Assessment and Reporting
Assessment is based on observations, conversations, classroom activities, tests, lab work, projects and seminar work. Final assessments may be written at the end of January and at the end of June. IB Exams are mainly written in May of the Grade 12 year. There are a few IB courses that IB students complete by the end of their grade 11 year, in these cases their final assessments will be written in May of that year.

Library Information
The Collège Miles Macdonell Collegiate library offers a large collection of materials, including books, encyclopedias, magazines and newspapers. The collection is searchable online through the RETSD Catalogue. The library houses a number of laptops available for student and classroom use. There are also several lookup stations where students can access online databases such as EBSCOhost and Repère.

Heritage Language (Special Language Credit Option, SPLCO)
Students can apply to gain up to four academic credits in a Heritage language. More information is available from our EAL teachers and guidance counselors. Exams can be written in either fall or spring. These credits can be used to fulfill the requirements of the World Languages Diploma or Certificate.

Credit for Employment
Students gain valuable skills through on-the-job work experience, therefore the Credit for Employment (CFE) credit is available to provide students with the opportunity to earn up to 2.0 high school credits for paid employment. CFE can enrich students' understanding of the relevance of education and the importance of developing career readiness. Students are responsible for finding their own employment. Students must hold a minimum of a 0.5 credit in a career development course (Life/Works) to be eligible.

Private Music Option Credit
As of 2017, The Private Music Option is recognized **only** as additional credits beyond the minimum 30 credits required for graduation, and cannot be used to fulfill graduation requirements. Students wishing to add these credits to their transcript should visit Student Services.

Community Service Credit (Student-Initiated Project)
The skills, knowledge, and attitudes gained through community service can increase a student's confidence and maturity, and provide more awareness of the needs of others in the community. Students participating in such an activity may earn a credit. Students must apply through Student Services before beginning a service project.

Cadet Credit
Students can earn up to two credits for successful completion of the Cadet basic and advanced training programs. The Cadet credits are recognized **only** as additional credits beyond the minimum 30 credits required for graduation.

Internet and E-Mail
Integrating Information Technology into all courses is a priority in RETSD. Each student is given an e-mail address and access to the school's Wi-Fi network. The division uses advanced filtering systems for both internet and e-mail communication. Students must return the signed divisional Internet and e-mail permission form.

ONLINE LEARNING & APPRENTICESHIP

Online Learning

River East Transcona School Division will be offering a select number of courses for Online learning in 2022 - 2023 school year. Students interested in this learning will require access to the internet at school and/or at home. Courses are delivered through Office 365 TEAMS and all communications will be done through this platform. Students who would like to pursue this opportunity to learn are asked to see their Student Services personnel.

Online learning courses are considered as an alternative to in class learning.
Who can access these courses:

- Student requesting a course that is not offered at the home school.
- Student who has a timetable conflict.
- Student requiring credits to fulfill graduation requirements.
- Student who is away from school for an extended period.
- Student who requires special accommodations.

High School Apprenticeship Program (HSAP)

The High School Apprenticeship Program (HSAP) is a great opportunity for students to get on-the-job experience with an employer. HSAP provides practical, paid, work experience and up to eight credits towards your high school diploma. HSAP provides an opportunity for early entry into trades and to build interest with youth. Students are able to transfer their hours of HSAP on-the-job training after graduation to a Level One apprenticeship training program.

Students should be either currently working in the skilled trades, or have a genuine interest in a career in the skilled trades.

Students should be:
- 16 years or older
- Currently enrolled in high school courses (either academic or vocational stream)
- Willing to find an employer to take them on as an apprentice

Benefits of Apprenticeship and a Career in the Trades:
- An affordable post-secondary opportunity and lower student debt
- Federal and provincial tax incentives and scholarship opportunities
- Strong earning potential
- Red Seal Certification transferable across Canada
- Steadily increasing demand and extensive opportunities for advancement

For more information:
River East Transcona School Division: www.retsd.mb.ca
Apprenticeship Manitoba Website: www.gov.mb.ca/tradecareers
River East Transcona School Division Apprenticeship Teacher (204)223-0529 or apprenticeship@retsd.mb.ca

HONOURS & AWARDS OF RECOGNITION

Honours Criteria

Honour Roll will be calculated for the final report of the year. The following qualifications are required for honour roll recognition.

- Grade 9, 10, 11 students may qualify for the honour roll by achieving an average of 80% or greater with no score in any subject below 70%. Students will receive Honours with Distinction if they have an average above 90%.
- Grade 12 students may qualify for the honour roll by completing 5 courses (including physical education) at the grade 12 level in addition to achieving an average of 80% or greater with no mark below 70%.
- Grade 12 students may qualify for Honours with Distinction by completing a minimum of 5 courses (including physical education) at the Grade 12 level in addition to achieving an average of 90% or greater with no mark below 80%.
- Courses comprised of two half credits are included: the mark forwarded will be the average of the two. For Theory of Knowledge, the Grade 11 and the Grade 12 courses will be combined. Both half credits must be earned.
- Distance Education, Online, Special Language and non-repeater summer school credits may be included.
- IB courses at the 42S level are considered separate courses for the purposes of calculating Honours. For example, English 42SSL IB and English 42SHL IB are different courses and can both be used in the individual calculations.
- All students across all programs are eligible to be considered for honours consideration based on the criteria above.

Scholarships and Bursaries

Grade 12 students can apply for a variety of scholarships and bursaries. For many scholarships, marks are not the only criteria. For example, community service and school leadership are often a requirement. Students should investigate the criteria for scholarships in Grades 10 and 11 in order to meet the requirements in their graduating year.

Visit the Collège Miles Macdonell Collegiate "Scholarships and Post-Secondary Information" link on the school's home page: *http://cmmccounsellors.blogspot.ca/*

EXTRA CURRICULAR INFORMATION

The Athletic Program

Collège Miles Macdonell Collegiate offers an excellent inter-collegiate athletic program which has earned provincial titles in cross country, volleyball, basketball, indoor and outdoor track and field, curling, hockey, badminton, indoor and outdoor soccer, golf, field hockey, and football. We participate in both the Kilcona Peguis Athletic Conference (KPAC) and the Manitoba High School Athletic Association (MHSAA).

The intramural program is a great opportunity to be active during the lunch hour, and to interact with schoolmates. Activities offered in the past include: basketball, 21 competition, dodgeball, floor hockey, indoor soccer, team handball, ultimate frisbee, volleyball and open gym. Students are encouraged to be involved, whether it be as a member of a team, as a scorekeeper, or as a spectator.

Student Council (STUCO)

All students can be involved with the many Student Council events held throughout the school year. Part of the student fee supplements the costs associated with student-organized events such as dances, spirit weeks, talent shows, and pep rallies.

Student Clubs, Committees and Opportunities

Students are encouraged to become actively involved in student life by joining one or more clubs listed below. Our CMMC clubs will meet outside of the school day (after school) or during the lunch hour. If you have an interest that is not represented here, let us know!

Angling Club
Arts Council
Best Buddies
Breakdance Club
Concours d'art oratoire
Concours les Voix de la poésie
Dragon Boat
Drama Production
Ethics Bowl
ESD
Festival Théâtre Jeunesse
GLOW (Gay, Lesbian, or Whomever)
Grad Committee
Hack Club
Indigenous Club
Interface Club
Key Club
Lit Mag
French Lit Mag
Manitoba Drama Youth Festival
Model United Nations
Physics Club
Prodigy
Reach for the Top
Recycling Team
Run for Women
sTeam Club
Skills Manitoba
Student Council (Stuco)
Superphonic
Table Tennis Club
Vietnam Orphanage Committee
Yearbook Committee
Youth in Philanthropy

International Travel

Collège Miles Macdonell Collegiate has offered cultural and educational tours to locations around the world. Recent destinations include Italy, France, Spain, Germany, Belize and Switzerland.

International out of school education experiences will be shared with the CMMC students and parent community as opportunities present themselves dependent on existing travel advisories/restrictions.

STUDENT SERVICES DEPARTMENT

The Student Services Department at Collège Miles Macdonell Collegiate supports students, educational assistants, teachers, administrators, and parents.

The Student Services Department supports students in:

- Acquiring and using skills in career exploration and planning
- Developing knowledge of self and others
- Developing educational and vocational skills

Counsellors and resource teachers focus on each student's potential for personal growth. Students will be assigned a Student Services contact representative who will be responsible for assisting them in the following areas:

Academics

- Academic assessment, programming, and placement
- Work habits and goal setting
- Test-taking strategies
- Summer school information
- Special credits (language, music, cadets, volunteer, etc.)
- Distance education courses
- Organizational and study skills
- Timetabling

Life outside/after High School

- Annual visits from post-secondary institutions
- Educational information and transition to post-secondary (college, university, or career)
- Financial assistance, scholarships, bursaries, and student aid information
- Employment opportunities, resumés, interview skills
- Volunteer opportunities
- Leadership and learning seminars

Wellness

- Health concerns
- Personal, social, emotional, and family concerns
- Conflict mediation/resolution
- Referrals for additional support

CREDIT SYSTEM & CODES

A credit is earned by successfully completing 110 hours of instruction. A half-credit represents 55 hours of instruction. Students must earn a minimum of 30 credits to graduate from high school.

Each course is assigned an alpha-numeric code formed as follows:

First Character

1 – courses developed for Grade 9
2 – courses developed for Grade 10
3 – courses developed for Grade 11
4 – courses developed for Grade 12

Second Character

0 – developed or approved by Manitoba Education for 1 credit
5 – developed or approved by Manitoba Education for ½ credit
1 – developed by school or division (includes SICs – School Initiated Courses and SIPs - Student Initiated Projects). These courses may be full or ½ credit courses.
2 – International Baccalaureate (IB) courses.

Third Character

A – Advanced - Grade 12 IB courses recognized for credit at most post-secondary institutions.
F – Foundation - Courses which are appropriate for all students, and which may lead to further studies.
G – General - Courses which provide a general educational experience.
E – E.A.L. Courses in English as an Additional Language - for newcomers to Canada
M – Modified - Courses where curriculum outcomes have been significantly modified to take into account the learning requirements of students. An Individual Educational Plan (I.E.P.) is required for each student.
S – Specialized - Courses which provide learning experiences, knowledge, and skills that may lead to further post-secondary studies.

Additional Characters

FI – French Immersion - Courses with French instruction and eligible for a French Immersion Diploma.
IB – International Baccalaureate - Courses at the Grade 11 & 12 level which are recognized for credit or placement at most post-secondary institutions.
PB – Pre-Baccalaureate - Courses in Grade 10 that prepare students for IB courses

Challenge for Credit

The River East Transcona School Division recognizes that students may, in exceptional circumstances, have already acquired the knowledge and skills required for a particular course. The challenge for credit option provides a process for students to demonstrate that they have achieved course outcomes as defined in the Manitoba curriculum. The requirements to earn a credit via this process will involve demonstrating that the student can meet the curricular learning outcomes in an appropriate way. Further information can be found in the RETSD policy manual found at *www.retsd.mb.ca/site/about/policy/polmain.html* policy IGCC-R1.

HIGH SCHOOL PROVINCIAL
ACADEMIC GRADUATION REQUIREMENTS

• Compulsory credits may be taken at F, G, S, A, or PB/IB levels.

• Students planning to attend university must take at least five 40S credits (40S/42S).

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Compulsory – 5 credits	**Compulsory – 5 credits**	**Compulsory – 4 credits**	**Compulsory – 5 credits**
Language Arts – 1 credit	English – 1 credit	English – 1 credit	English – 1 credit
Mathematics – 1 credit	Mathematics – 1 credit	Mathematics – 1 credit	Mathematics – 1 credit
Physical Education – 1 credit	Physical Education – 1 credit	Physical Education – 1 credit	Physical Education – 1 credit
Social Studies – 1 credit	Geography – 1 credit	Canadian History – 1 credit	Additional Grade 12 Courses – Min. 2 credits
Science - 1 credit	Science - 1 credit		
Options – min. 3 credits	Options – min. 3 credits	Options – min. 3 credits	Options – min. 2 credits
8 credits	**8 credits**	**7 credits**	**7 credits**
30 credits required for graduation			

FRENCH IMMERSION PROGRAM
GRADUATION REQUIREMENTS

- Students must earn at least 14 credits from courses taught in Français to meet the requirement of the provincial French Immersion Program Diploma. Students must study Français and Mathematics at all the grade levels.
- Students may combine courses from the French Immersion Program and International Baccalaureate programs which permit them to obtain a French Immersion Program Diploma and a number of IB Certificates or Diploma.
- To obtain a French Immersion Program Diploma, students are required to write the provincial French Immersion exam.
- All Science and Social Science courses in Grades 11 and 12 must be taken in Français.
- Students in the French Immersion Program are to enrol in as many Français courses as possible as this will increase Français language skill acquisition and fluency.

GRADE 9	**GRADE 10**	**GRADE 11**	**GRADE 12**
Compulsory – 6 credits	**Compulsory – 6 credits**	**Compulsory – 5 credits**	**Compulsory – 5 credits**
Français – 1 credit	Français – 1 credit	Français – 1 credit	Français – 1 credit
Language Arts – 1 credit	English – 1 credit	English – 1 credit	English – 1 credit
Mathématiques – 1 credit	Mathématiques – 1 credit	Mathématiques – 1 credit	Mathématiques – 1 credit
Physical Education – 1 credit	Physical Education – 1 credit	Physical Education – 1 credit	Physical Education – 1 credit
Sciences humaines - 1 credit	Géographie - 1 credit	Histoire du Canada 1 credit	
Sciences de la nature – 1 credit	Sciences de la nature– 1 credit		1 additional Grade 12 credit taught in French
Options – Min. 2 credits	Options – Min. 2 credits	Options – Min. 2 credits	Options – Min. 2 credits
8 credits **Minimum 4 credits in the Immersion program**	**8 credits** **Minimum 4 credits in the Immersion program**	**7 credits** **Minimum 3 credits in the Immersion program**	**7 credits** **Minimum 3 credits in the Immersion program**
30 credits required for graduation			

COLLÈGE MILES MACDONELL COLLEGIATE

INTERNATIONAL BACCALAUREATE PROGRAM

The IB program at Collège Miles Macdonell Collegiate offers a wealth of opportunities for creative and motivated students. The IB program aims to develop inquisitive, knowledgeable, and caring young people who help to create a better and more peaceful world through intercultural understanding and respect. In the two-year Diploma Program, students study courses from six subject areas along with three core requirements.

International Baccalaureate is a two-year Diploma Program, starting in Grade 11. While the IB curriculum officially begins in Grade 11, students in Grade 10 begin to take accelerated courses to fullfil requirements of the Diploma Program.

At Collège Miles Macdonell Collegiate, all students have the opportunity to earn the full IB Diploma by writing IB assessments in each subject area. Students may also opt out of the IB assessments while still earning provincial course credit (but not university credit), they will be benefiting from classroom learning and collaborative cohorts.

IB consists of three core requirements and courses selected from five groups. Course descriptions can be found in each subject area of the handbook.

FOR GRADES 11 & 12	
International Baccalaureate Group	**Courses offered at Collège Miles Macdonell Collegiate**
IB Core	Creativity, Activity, Service Extended Essay Theory of Knowledge
Group 1: Studies in Language and Literature	English
Group 2: Language Acquisition	French Français Spanish
Group 3: Individuals and Societies	History
Group 4: Experimental Sciences	Biology Chemistry Environmental Systems and Societies Physics
Group 5: Mathematics	Mathematics Math Studies (Applied Math)

For details, please see the IB registration combinations on the next page. Please note that CAS and the Extended Essay will be completed outside of the classroom and so do not require registration.

COLLÈGE MILES MACDONELL COLLEGIATE

INTERNATIONAL BACCALAUREATE PROGRAM

GRADE 9 REGISTRATION

Students from the River East Transcona School Division may register for the Access to IB Program. This will include registering for the following courses:

- Skills for Academic Success (Reading is Thinking) RIT10S
- French 10F OR Français 10FFI

GRADE 10 REGISTRATION

Students from the River East Transcona School Division may register for the Pre-Baccalaureate Program. Students intending to pursue the program will register for the following courses:

- English 20F PB
- Math 20SI PB or Mathé 20SI PBFI
- Science 20F PB or Sciences 20F PBFI
- Geography 20F PB or Géographie 20F PBFI
- Physical Education 20F
- Second Language (at least of one of the following):
  - French 20FPB and French 32SIB
  - Français 20FPBFI and Français 32SIBFI
  - Spanish 20G PB

GRADE 11 REGISTRATION

Students entering the Grade 11 year may choose **ONE** of the following paths:

IB Diploma Program	IB Course Program
• Students will choose one of the IB Registration Combinations outlined on page 20 • **Required for all new registrants to CMMC requesting IB programming at the Grade 11 level.	• IB course students must register for a minimum of **THREE** IB subjects • Theory of Knowledge does not qualify as one of the required three • **Only available for current CMMC students

COLLÈGE MILES MACDONELL COLLEGIATE

INTERNATIONAL BACCALAUREATE PROGRAM

GRADE 12 REGISTRATION

IB Diploma students entering the Grade 12 year will choose from **ONE** the following paths:

IB Diploma Program

- Students will choose one of the IB Registration Combinations outlined below
- Students who have completed the anticipated French course in the grade 11 year need not select the course in the grade 12 year

IB Course Program

- IB course students must register for a minimum of **TWO** IB subjects
- Theory of Knowledge does not qualify as one of the required two subjects
- French 42SIB and Chemistry 42SIB, completed in the Grade 11 year can be counted as one Grade 12 IB subject but ALL students MUST study at least one further Grade 12 IB subject

IB Examinations are written as follows:

- **Grade 11** School year: May – French 42SIB, Chemistry 42SIB, Environmental Systems & Societies IB 32SSL, and IB 42SSL
- **Grade 12** School year: May – all remaining IB Subjects
- Exception: Theory of Knowledge has a written component in place of exams

IB REGISTRATION COMBINATIONS

When registering for IB courses students must choose from **ONE** of the following three combinations:

Combination 1
- English
- One of: Français, French, Spanish
- History
- Chemistry
- Biology
- Mathematics (Approaches & Analysis)
- Theory of Knowledge
- Physical Education

Combination 2
- English
- One of: Français, French, Spanish
- History
- Chemistry
- Physics
- Mathematics (Approaches & Analysis)
- Theory of Knowledge
- Physical Education

Combination 3
- English
- One of: Français, French, Spanish
- History
- Environmental Systems & Societies
- Biology
- Mathematical Studies (Applied Math)
- Theory of Knowledge
- Physical Education

COLLÈGE MILES MACDONELL COLLEGIATE

sTEAM PROGRAM

Grade 9 EXPRESSION OF INTEREST

Grade 8 students from the River East side of the River East Transcona School Division interested in future registration for the Collège Miles Macdonell Collegiate sTeam program should complete an **Expression of Interest** form included in the registration package.

Grade 10 PROGRAM REGISTRATION

Grade 9 students from Collège Miles Macdonell Collegiate may apply to the CMMC sTeam program by completing an Expression of Interest form and application. Students who are accepted into the program would then be registered for the grade 10 sTeam program. The new English Grade10 sTeam program consists of the following courses:

- English 20F
- Science 20F
- a 20S Arts option course of the student's choice

French Immersion students can participate in the sTeam program and still fulfill all grade 10 FI course requirements.

- English 20F
- Science de Nature 20F

**Application forms can be found on the school website.*

Grade 11 PROGRAM REGISTRATION

Grade 10 sTeam students wishing to continue in the sTeam program in grade 11 can register for this program. New students wanting to enter the grade 11 sTeam program can complete an Expression of Interest form and application. The grade 11 sTeam program consists of the following courses:

- English 30S Comprehensive Focus
- History of Canada 30F OR Histoire du Canada 30F FI

******French Immersion students can participate in the sTeam program and still fulfill all grade 11 FI course requirements.*
**Application forms can be found on the school website.*

Grade 12 PROGRAM REGISTRATION

Grade 11 sTeam students wishing to continue in the sTeam program in grade 12 can register for this program. This grade 12 program consists of the following courses:

- English 40S Comprehensive Focus
- Global Issues 40S
- One additional Elective at the 40S level of the student's choice

******French Immersion students can participate in the sTeam program and still fulfill all grade 12 FI course requirements.*

CAREER CONNECT

LIFE/WORK BUILDING & TRANSITIONING COURSE DESCRIPTIONS

The Career Connect program prepares students for the transition to the world of work through the practical study of such topics as personal and professional growth, career exploration, lifelong learning, securing and maintaining employment, success and promotion in the workplace, communication and interpersonal skills, ethics, and workplace safety.

GRADE 10 COURSE

CAREER DEVELOPMENT: LIFE/WORK PLANNING

Credit: 1 (20S)

Students will receive an overview of career development outcomes while building positive self-esteem, locating work information, and selecting high school courses. Students will develop skills in personal management, career exploration, and career/community experiences.

GRADE 11 and 12 COURSES

CAREER DEVELOPMENT: LIFE/WORK BUILDING & TRANSITIONING

Credits: 2 (30S and 40S)

Students will identify work or career interests and will then be placed in an entry level position with a local business partner. This three month placement will develop students' knowledge, skills, confidence, and employability through new contacts and references, and an enhanced resume. Students will work with their teacher mentor to ensure a successful transition to the world of work or to continued career-related training and education.

Some examples of past placements include:

- Cancer Care Manitoba
- Law enforcement
- Salons
- Elementary and middle schools
- Restaurants
- Community clubs
- Animal services
- Law firms
- Physiotherapy clinics
- Trades
- Veterinary clinics
- Autobody

CREATIVE ARTS COURSE DESCRIPTIONS

DANCE

DANCE 10S
Credit: 1

Students will be introduced to fundamentals of ballet, jazz, lyrical, hip hop, and modern. Students will develop body strength and coordination as well as a basic understanding of dance terminology, performance etiquette, and choreographic skills. Students will apply their learning by choreographing and performing a dance routine. Opportunities for viewing different dance styles will be provided. *Students new to the Dance course must purchase dance shoes through the school. Cost TBA.*

DANCE 20S
Credit: 1

Students will explore various dance styles, including ballet, jazz, hip hop, lyrical and modern. Students will learn a variety of dance routines that emphasize coordination, technique, and endurance. This course will strengthen and improve dance fundamentals. Opportunities for viewing and creating choreography will be integrated into the course.

DANCE 30S
Credit: 1

Students will extend their dance experience by focusing on improving technique and flexibility. Students will enhance their dance etiquette, knowledge, and choreographic skills. Students will explore dance as medium to develop self-discipline, risk taking, cooperation, assertiveness, and creativity by creating, and reflecting through dance. Opportunities for viewing and creating choreography will be integrated into the course.

DANCE 40S
Credit: 1

This course is designed as a consolidation of the fundamental elements in dance. Students will continue to develop dance technique, flexibility, agility, coordination, fitness, musicality, and creativity while continuing to explore ballet, jazz, hip hop and modern dance. This class strives to complete the dancers' education by giving them the opportunity to teach a class to others. Opportunities for viewing and creating choreography will be integrated into the course.

CREATIVE ARTS COURSE DESCRIPTIONS

DRAMA

DRAMA 10S
Credit: 1

This introductory course is based on the premise that everyone can act and does act. Students will be introduced to drama through participation in a variety of games, exercises, and performance opportunities. Students will explore the world of Theatre and will act on stage in small and large groups and individually. Students will learn the basics of stage composition and will experiment with ideas, elements, and forms to create several original performance pieces.

DRAMA 20S
Credit: 1

Students will discover acting's component parts in various theatre games, workshops, and activities. Students will learn the basics of the theory and practice of acting and how to immerse themselves in the "truth of the moment." Students will develop a greater understanding of drama and will perform for their peers while developing on-stage and backstage skills using a range of dramatic forms.

DRAMA 30S
Credit: 1

Students will focus on the interpretation of characters and scripts. Students will examine the psychology of acting and role creation. Students will learn to develop characters using both published and original scripts. Students will continue to develop skills for both on-stage and backstage work and will delve into a range of styles of Theatre.

DRAMA 40S
Credit: 1

This advanced course in theory, writing, acting, directing, and play production focuses on the creative voice. Students will study theatre practitioners and various schools of theatre. Students will explore drama and theatre, including techniques of analysis and interpretation, script writing, and directing. Students will develop and direct several original scripted creations.

CREATIVE ARTS COURSE DESCRIPTIONS

MUSIC

MUSIC - CHOIR
10S, 20S, 30S and 40S
Credit: 1 at each level

There is a singer in everyone one of us. Making music together is a powerful and meaningful social practice important for communities and self-expression. Each student has a unique voice and in singing with others we come together as a unique CMMC community addressing personal growth and understanding of our diverse world through the art of vocal music. Students will learn about vocal technique, artistic performance, practice/performance procedures, and the value of bringing many voices together to create one choir. Previous singing experience is not necessary.

MUSIC - GUITAR
20S, 30S, & 40S
Credit: 1 at each level

The guitar is a great instrument for making music in a wide range of settings. No previous musical experience is necessary to enter this program. In the first year, students will focus on acquiring foundational and practical skills for making music on the guitar. Students will learn to play common chord forms, become familiar with rhythmic patterns, and learn melodies aurally and from notation. In subsequent years, students will build upon their experience and skills, continuing to explore chord theory, different musical genres, and notation. Students may be placed in a class suited to their level of previous experience.

MUSIC - CONCERT BAND
10S 20S, 30S and 40S
Credit: 1 at each level

Making music with others is an amazing community-building experience. The concert band provides the opportunity for students to develop their instrumental performance skills as an individual while in an ensemble setting. Students will learn about performance/practice procedures, technique, active listening, and accountability. There will be opportunities to explore creative expression and recording technology. All instruments are welcome. It is assumed that students will have previous experience with their chosen instrument. Students should supply their own instruments. A limited number of instruments are available to rent from the school. Any inquiries should be directed to the instructor.

MUSIC - JAZZ BAND
10S, 20S, 30S and 40S
Credit: 1 at each level

This performance-oriented course develops a student's skills for making music in the context of a jazz band. Jazz music has its own unique language which students will have the opportunity to explore through experience with multiple genres as an individual and in the ensemble. Students will learn about musical and linguistic vocabulary relating to jazz. The expressive art of improvisation will also be considered. While standard jazz band instruments are the norm, non-traditional instruments will be considered. Previous experience is required. All rhythm section players should expect to play an audition for placement in the band. Any inquiries should be directed in the instructor.

CREATIVE ARTS COURSE DESCRIPTIONS

MUSIC PRODUCTION

MUSIC PRODUCTION 20S
Credit: 1

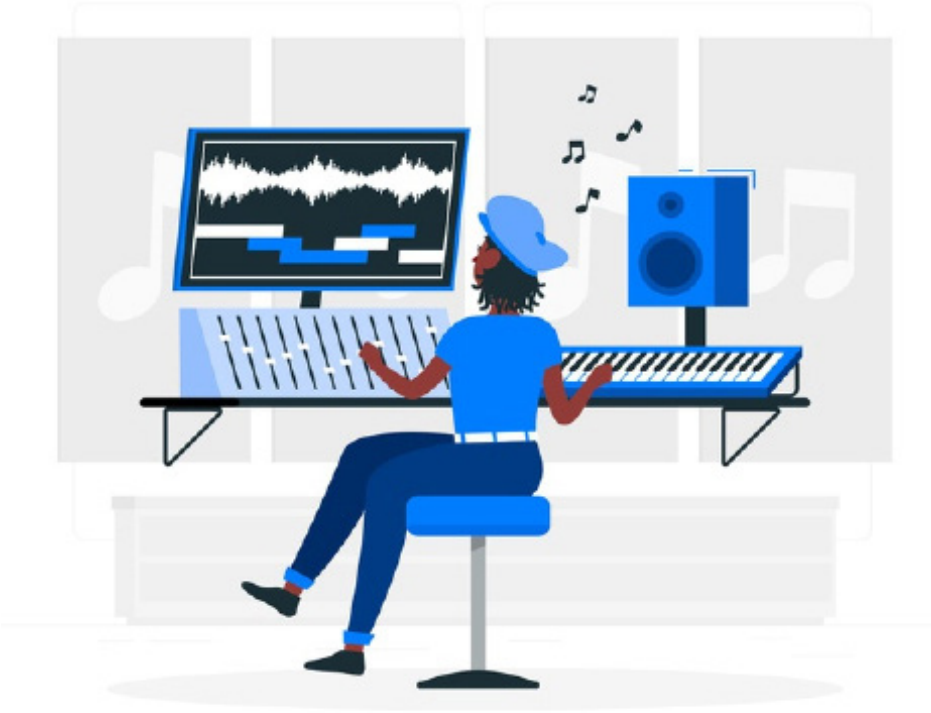
Students will learn to compose and think creatively through a unique method of teaching and learning. Previous music knowledge is not necessary, but helpful. Students will create their own compositions and will have access to computers with professional music software. Through artistic inquiry and creative expression, students will examine, reflect upon and develop an understanding of themselves and other cultures.

MUSIC PRODUCTION 30S
Credit: 1

Students will continue learning methods to develop their creativity. Elements of music such as rhythm, pitch, melody, timbre, and harmony will be explored in a way that is challenging and fun. Students have the opportunity to participate in recording projects.

MUSIC PRODUCTION 40S
Credit: 1

Students will gain critical knowledge and experience to continue their growth as creative artists and if they choose, will be prepared for post-secondary music studies or the professional music industry. Students will deepen and broaden skills and understandings of communication, artistic/musical expression, cultural practices and creativity. Students will submit a portfolio of work that represents their craft, talent and understandings.



CREATIVE ARTS COURSE DESCRIPTIONS

VISUAL ARTS

Due to demand on consumable items and equipment in visual arts, there may be additional costs for supplies throughout each semester. Students must also provide some of their own basic supplies.

VISUAL ARTS 10S
Credit: 1

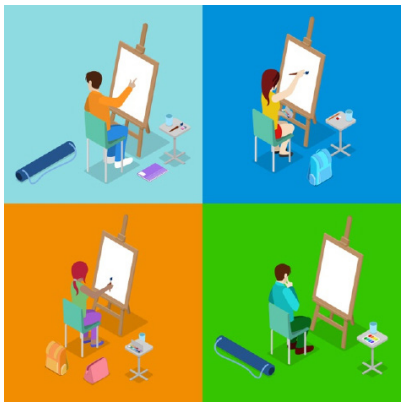
Students will explore the elements and principles of art, while experimenting with a variety of media. As students learn and grow as artists, they will apply their knowledge in larger art projects that allow for individual creative expression. Art will be viewed and discussed, highlighting how art makes connections to time, place and community, and reflects identity and society. There is a written component to this course as students view, reflect, and respond to artwork.

ART VISUEL 10S
(VISUAL ARTS 10S)
Crédit: 1

Les élèves exploreront les éléments et les principes de l'art, tout en expérimentant avec une variété de médias. Au fur et à mesure que les élèves apprennent et grandissent en tant qu'artistes, ils appliqueront leurs connaissances dans des projets artistiques de plus grande envergure qui permettent une expression créative individuelle. L'art sera vu et discuté, mettant en évidence la façon dont l'art établit des liens avec le temps, le lieu et la communauté, et reflète l'identité et la société. Il y a une composante écrite à ce cours pendant que les étudiants voient, réfléchissent, et répondent aux illustrations.

VISUAL ARTS 20S
Credit: 1

Students will explore a variety of art mediums to develop artistic and creative processes. Students are introduced to the work of local and international artists and develop their skills through sketching and hands-on art making. Students will explore the elements and principles of art and design, the proportions of the human form, perspective and observational drawing, and sculpting and ceramics. Students learn about historical art styles as well as how to analyze context and meaning.

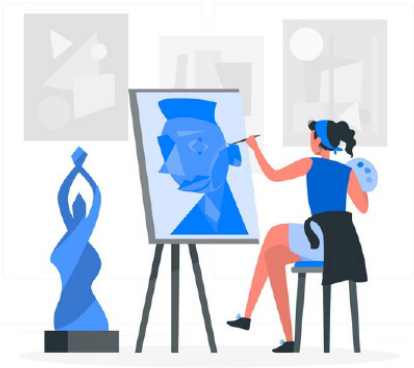


VISUAL ARTS 30S
Credit: 1

Students will focus on idea development and the creative process. Students will continue developing technical skills and working with a variety of art media. The importance of design, composition, and conceptual thought will be highlighted. Students will be expected to prepare art works as well as written components, and to share and discuss their work. Students will be responsible for developing a portfolio.

VISUAL ARTS 40S
Credit: 1

Students will be encouraged to achieve more expression through the media and techniques explored in previous courses. They will develop their own means of fulfilling assignment criteria, allowing individuals to use their personal strengths in meaningful ways. Students will be responsible for developing a portfolio.



ENGLISH COURSE DESCRIPTIONS

English is a required course from Grade 9 to Grade 12. English courses teach students to use language as a means of understanding themselves and the world around them. Courses focus on the development of thinking, reading, speaking, writing, viewing, representing, and listening skills and aim to develop an appreciation of all types of expressed thought.

"Literary" and "Transactional" are terms that describe the way language is used.

We use literary language for creative and imaginative purposes. Literary language is used in novels, poems, plays, and short stories.

We use transactional language out of necessity to conduct our lives. We transactional language in biography, documentary film, journalism, advertising, resumes, proposals, reports, essays, manuals, and many other forms of communication.

GRADE 9 ENGLISH

ENGLISH LANGUAGE ARTS 10F
Credit: 1

Students will experience a balance of transactional and literary texts. Students will develop literacy, critical thinking, and communication skills through reading, writing, speaking, listening, viewing, and representing. Students will study novels, short prose, film, and poetry. Reading and writing fluency and stamina are key goals of this course.

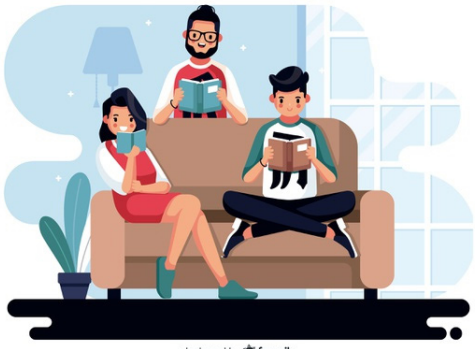
SKILLS FOR ACADEMIC SUCCESS READING IS THINKING RIT 10S
Credit: 1

This course is open to all Grade 9 students. Students will develop competency in the five key approaches to Learning: thinking skills, communication skills, social skills, self-management skills, and research skills. The focus is on the direct teaching and practice of skills.

GRADE 10 ENGLISH

ENGLISH LANGUAGE ARTS 20F
Credit: 1

Students will undertake a rich and varied study of the human experience as it is related through novels, short prose, drama, poetry, and media. Students will further develop literacy, critical thinking, and communication skills through reading, writing, speaking, listening, viewing, and representing. Both literary and transactional modes are addressed through classroom instruction, independent study, and group work.



ENGLISH COURSE DESCRIPTIONS

GRADE 11 ENGLISH

Grade 11 students have the opportunity to take more than one English course. Students planning to continue on to post-secondary studies may want to consider adding an additional English course to their schedule. A year long study of English may increase competency in reading comprehension and both oral and written communication.

ENGLISH: COMPREHENSIVE FOCUS 30SCF
Credit: 1

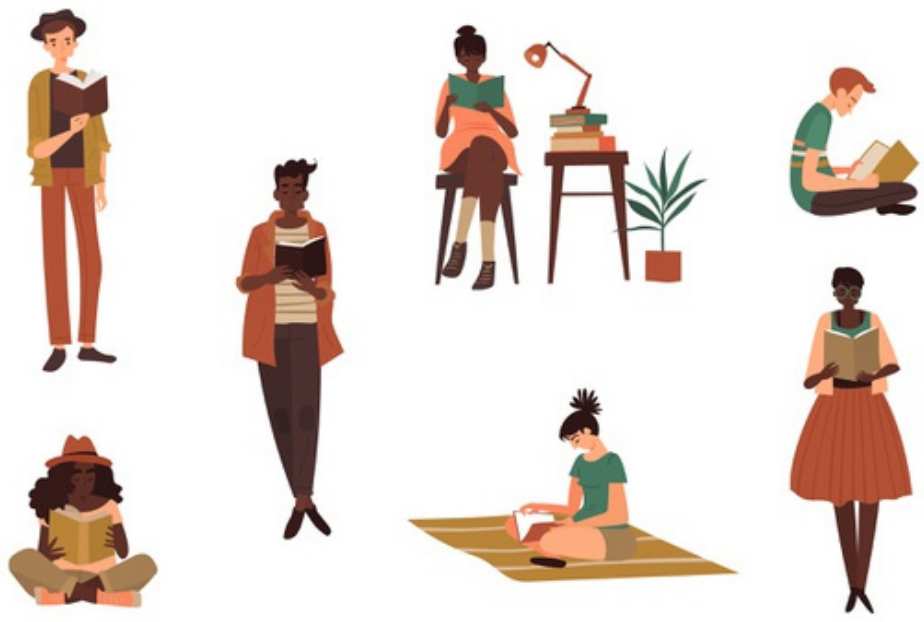
Students will focus on basic reading comprehension, exploring thoughts, ideas, and experiences, responding personally and critically to texts, and enhancing the clarity and artistry of communication. Students will study and create in a variety of both literary and transactional forms and will build reading stamina through independent reading.

ENGLISH: LITERARY FOCUS 30SLF
Credit: 1

Students will focus on language used for creative purposes. Through novels, poems, plays, and short stories, students will experience a wide variety of texts that explore the human condition and illustrate the beauty and artistry of language. Students will develop both creative and analytical skills with a focus on reading, writing, and speaking.
Students who choose Literary Focus may not pick Literary Focus Creative Writing- as an additional English credit.

ENGLISH: TRANSACTIONAL FOCUS 30STF
Credit: 1

Students will focus on transactional or practical language and non-fiction texts, with 70% of course time and course content devoted to analysis and creation of biographies, articles, editorials, speeches, documentary films, and multimedia presentations. The remaining 30% is devoted to analysis and creation of literary forms such as short stories, drama, and lyrics or poetry. Students will read fiction or non-fiction texts daily.



ENGLISH COURSE DESCRIPTIONS

GRADE 12 ENGLISH

All Grade 12 students (with the exception of those registered in English IB42SL) must take one of the three 40S Focus courses: Comprehensive, Transactional, or Literary. All three courses will fulfill their English requirement for graduation and are accepted for university entrance requirements.

ENGLISH : COMPREHENSIVE FOCUS 40SCF

Credit: 1

Students will build skills including reading comprehension, exploring thoughts, ideas, and experiences, responding personally and critically to texts, and enhancing the clarity and artistry of communication. Students will study and create a variety of both literary and transactional forms and build reading stamina through independent reading. There will be a focus on creativity, critical thinking and dialogue.

ENGLISH : TRANSACTIONAL FOCUS 40STF

Credit: 1

Students will focus on transactional or practical language and non-fiction texts, with 70% of both time and course content devoted to critical analysis of transactional forms. Students will explore forms required in post-secondary study such as research reports, essays, websites, and multimedia presentations. The remaining 30% of course time is devoted to analysis and creation of literary forms such as short stories, drama, and poetry.

ENGLISH : LITERARY FOCUS FOCUS 40SLF

Credit: 1

Students will focus on creative, emotional language, literary texts, and using language for aesthetic purposes. Students will develop analytical skills by examining drama, film, poetry, and prose. Students will develop their powers of expression both in oral and written communication. Students will practice the skills involved in writing and speaking in a variety of styles and situations.

ENGLISH COURSE DESCRIPTIONS

INTERNATIONAL BACCALAUREATE

ENGLISH 20F PB, IB 32SHL, IB 42SSL and IB 42SHL

This course sequence focuses on independent responses to literature from around the world. It covers all of the aspects of the regular English program but with a larger component of world literature. International Baccalaureate assessments will include an international exam, an oral exam, and a literary analysis essay. Grade 12 IB English students will take English 42S IB in place of the compulsory Focus 40S course.

ENGLISH LANGUAGE ARTS 20F PB

Credit: 1

Students will develop advanced skills in literary analysis with an emphasis on expository writing and critical thinking, as well as in reading and responding personally to literature. The course is intended for students planning to continue in IB English, or for students with a particular interest in literature. Students should be willing to engage with a variety of literature including poetry, short and visual fiction, non-fiction, and sophisticated novels and plays.

ENGLISH IB 32SHL

Credit: 1

This is a challenging course in literature. It is designed to encourage a personal appreciation of literature and develop an understanding of the techniques involved in literary criticism. The course develops skills in both oral and written communication. This course focuses on links to real world issues and the culture and context of a work.

ENGLISH IB 42SSL

Credit: 1

This course is the first part of the Grade 12 two-credit IB English program and is only offered in first semester. Students will register for both sections (42SSL and 42SHL). Students will develop a personal appreciation of literature and develop an understanding of the techniques involved in literary criticism and essay writing. This course focuses on the relationship between readers, writers and texts.

ENGLISH IB 42SHL

Prerequisite: *English IB 42SSL*

Credit: 1

This course is the second part of the Grade 12 two-credit IB English program and is only offered second semester. Students must have successfully completed 42SSL to continue with this course. 42SHL is a program of study focusing on literature in English. Students will develop advanced skills in literary analysis and formal writing. This course focuses on the inter textual relationship between works.

ENGLISH AS AN ADDITIONAL LANGUAGE (EAL) COURSE DESCRIPTIONS

The EAL courses are specifically designed to meet the needs of newcomers to Canada for whom English is an additional language. The purpose of the program is to develop English language skills in the areas of listening, speaking, reading and writing. All courses listed below are offered in sheltered classroom environments.

*Access to EAL courses is limited to those students that have been screened for this divisional program.

EAL11G
Credit: 1

This course is intended for students who are at emergent and beginning stages of acquiring English skills. Students will develop basic communication skills in speaking, listening, reading, and writing. Students will focus on vocabulary development and survival language for functioning in the school and the community.

EAL TRANSITION 21G
Credit: 1

Students will have opportunities to experience content-area language and vocabulary relevant to other subjects likely to be studied. Topics studied will relate to various subject areas such as language arts, science, social studies, history or math. Students will read, write, and speak as well as use various strategies intended to support and increase additional language learning.

EAL21G
Credit: 1

Students will expand their essential English communication skills. Students will continue to receive some language support and will develop their speaking and listening skills, develop reading strategies, expand vocabulary, and begin to use more complex sentence structures. Students will have a variety of language opportunities and experiences to support and enhance their developing English skills.

EAL31G and 41G
Credit: 1 at each level

Students will continue to develop reading, writing, listening, and speaking skills. Students will experience varied styles and forms of reading and writing. Students will have greater opportunities to speak and listen. Students will be introduced to academic vocabulary, language skills and concepts in preparation for academic classes.

ENGLISH AS AN ADDITIONAL LANGUAGE (EAL) COURSE DESCRIPTIONS

E-designated courses offered follow the Manitoba Education approved curriculum for the indicated grade level course, with significant adaptations to the curriculum goals and outcomes. E-designation facilitates English language acquisition and interpersonal communication skills, academic language proficiency, and subject area knowledge. E-designated courses recognize that students are on a continuum of language development. Credits earned can be used to meet requirements for high school graduation.

SCIENCE 10E
Credit: 1

Students will develop knowledge and academic language relevant to the course topics of reproduction, atoms and elements, the nature of electricity, and exploring the universe.

CANADA IN THE CONTEMPORARY WORLD 10E
Credit: 1

Students will develop knowledge and academic language relevant to the diversity in Canada, democracy and governance, and the many challenges facing our country.

SCIENCE 20E
Credit: 1

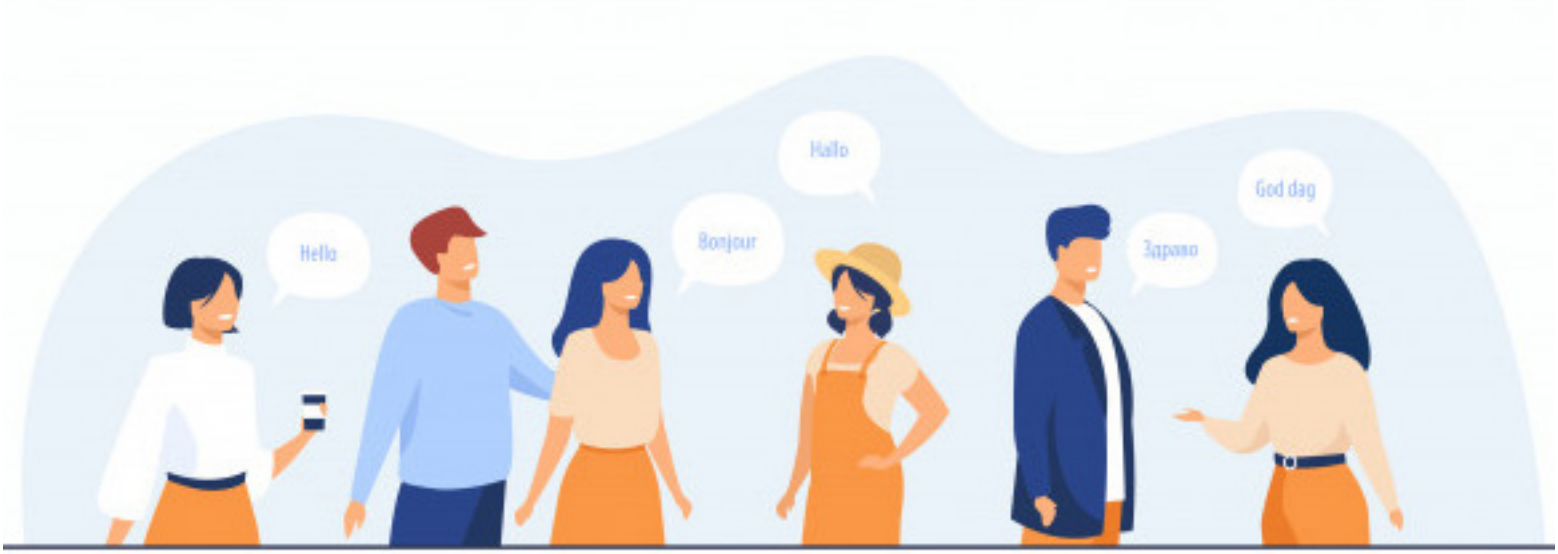
Students will develop knowledge and academic language relevant to ecosystems, weather dynamics, chemistry at work, and physics in motion.

GEOGRAPHIC ISSUES 20E
Credit: 1

Students will develop knowledge and academic language about Canada. Topics studied include Canada from a global perspective, physical and human aspects of Canada's regions, as well as Canada's natural resources, food from the land, and industry and trade. Hands-on activities and field trips are integrated into coursework.

HISTORY OF CANADA 30E
Credit: 1

Students will develop knowledge and academic language about Canada's history. Topics studied include Native Peoples of Canada, pre-European contact, early explorers, New France, the British-French conflict, and Canada from Confederation to present day.



FAMILY STUDIES COURSE DESCRIPTIONS

Family Studies courses offer a preventative, proactive, and practical approach that is intended to strengthen individuals and families. Students acquire knowledge, skills, and attitudes to make informed choices with respect to caring for themselves and others within the context of a global community. Students acquire strategies to manage the challenges of life in an effective and responsible way that enhances their life journey.

FAMILY STUDIES 10S
Credit: 1

Students will explore adolescent development from the perspective of the adolescent student. Topics include building skills and knowledge in developing positive relationships to enhance personal health and wellness within the context of their own family dynamics and the community in which they live.

FAMILY STUDIES 20S
Credit: 1

Students will focus on the skills and knowledge that parents and caregivers need, with emphasis on maternal health, pregnancy, birth, and the early years of human development. Students will learn about the developmental needs, effective care, and guidance of young children. The development of these skills and knowledge will enhance their overall well-being now as adolescents and in the future as parents and caregivers.

FAMILY STUDIES 30S
Credit: 1

Students will focus on children's and adolescents' relationship within their families. Students will learn about developmental needs, effective care, and positive interactions with children/adolescents. The skills and knowledge that students will gain will provide them the opportunity to make informed decisions related to parenting, relationships, and families.

FAMILY STUDIES 40S
Credit: 1

Students will explore the transition from adolescences to adulthood with the ability to examine and practice skills that help develop healthy interpersonal relationships. The skills and knowledge will provide the opportunity for students to make informed and responsible life management choices now and in the future.

FOOD & NUTRITION COURSE DESCRIPTIONS

These courses are designed to expand and improve personal management skills through both theory and hands-on learning.

Students will develop:

- Nutritional knowledge
- Healthy decision-making skills
- Recipe knowledge
- Skills to prepare for independent living
- Employability skills
- Resourcefulness and cultural awareness

FOOD & NUTRITION 10S

Credit: 1

Students focus on the individual and the relationships and influences that affect food choices. Students will examine the fundamentals of nutrition and learn how to apply the information to their lives. The course provides opportunities for students to develop safe food handling and food preparation skills in a practical setting.

FOOD & NUTRITION 20S

Credit: 1

Students focus on the individual within the family unit and the influence that marketing and media have on family food choices. Students will gain a strong understanding of the categories of nutrients, why our bodies need them, and what foods are consumed for health and well-being. The course provides opportunities for students to further develop food preparation skills in a practical setting.

FOOD & NUTRITION 30S

Credit: 1

Students focus on the individual within the community and Canada, including the influence regions have on our food choices and personal practices. Students will be exposed to food and production in Manitoba and examine food availability within Manitoba. Students will analyze the nutritional composition of food and reflect on their own nutritional choices. This course provides opportunities for students to apply food preparation skills in a practical setting.

FOOD & NUTRITION 40S

Credit: 1

This course offers a critical examination of the individual as a responsible citizen. Students will explore sustainability and ethical practices within food production and access. They will examine food security and barriers that exist to achieve food security for all people. Students will investigate solutions to local and global food accessibility. This course will provide the opportunity for students to apply food preparation skills in a practical setting.

FRENCH IMMERSION COURSE DESCRIPTIONS

FRANÇAIS 10F FI
Crédit: 1

Les élèves seront capables de communiquer des messages de différentes sortes avec précision. Ils seront appelés à interagir avec une gamme de textes selon une double perspective: analyse du fonctionnement textuel et réaction critique.

Students will be able to communicate various kinds of messages with precision and accuracy. They will be introduced to textual analysis and critical thinking.

FRANÇAIS 20F FI
Crédit: 1

Les élèves seront exposés à une gamme d'activités littéraires et communicatives dont le but est d'approfondir leurs connaissances du français oral et écrit. Les élèves seront exposés à diverses oeuvres d'auteurs contemporains et seront capables de rédiger des textes oraux et écrits pour transmettre de l'information selon leur intention de communication.

Students will be exposed to a variety of literary and non-literary works, and will study the various aspects of communication in oral and written activities. They will learn to use the French language in a wide variety of contexts, and will develop their oral communication and critical thinking skills.

FRANÇAIS:
Langue et Communication 30S FI
Crédit: 1

Les élèves seront capables d'interagir avec une gamme de textes selon une double perspective: analyse du fonctionnement textuel et réaction critique. Les élèves seront par ailleurs capables de présenter et de défendre leur point de vue avec efficacité et de saisir l'essentiel du contenu d'un texte.

Students will study both literary and transactional works. They will learn to present and defend their point of view and to speak, write and synthesize with precision and accuracy.

FRANÇAIS:
Langue et Communication 40S FI
Crédit: 1

Les élèves seront capables d'interagir avec une gamme de textes selon une double perspective: analyse du fonctionnement textuel et réaction critique, avec une mise en relief particulière sur la capacité de créer des effets dans leurs productions orales et écrites, de faire une présentation orale et de rédiger des textes argumentatifs et/ou analytiques.

Students will be exposed to a variety of texts. Students will make formal oral presentations and will write in a variety of styles and forms.

FRANÇAIS: IB
20F PB, IB 32SHL, IB 42SSL, & IB 42SHL
Crédit: 1

Ces cours sont destinés aux élèves d'immersion française désirant recevoir le diplôme du Baccalauréat international tout en maintenant leur niveau de français. Le programme français B option forte mène au diplôme du Bac.

These courses are for French Immersion students in the IB program who are at a higher level in French. Students will prepare for the International Baccalaureate diploma.

FRENCH IMMERSION COURSE DESCRIPTIONS

MATHÉMATIQUES

NOTE: To see the French Immersion course descriptions written in English, please see the description of the equivalent course (shown in brackets after course title) in their department sections.

MATHÉMATIQUES 10F FI
(MATHEMATICS 10F FI)
Crédit: 1

Ce cours est une préparation aux différentes voies de mathématiques. Les élèves devront suivre des activités de résolution de problèmes qui sont fondés sur les sept processus mathématiques.

INTRODUCTION AUX MATHÉMATIQUES APPLIQUÉES / PRÉ-CALCUL 20SI FI
(INTRODUCTION TO APPLIED & PRE-CALCULUS 20S FI)
Crédit: 1

Les composantes du cours sont non seulement contextuels, mais aussi algébriques. Les élèves devront faire des activités qui incluent l'utilisation de la technologie, la résolution de problèmes, le calcul mental et de la théorie.

MATHÉMATIQUES AU QUOTIDIEN 20SE FI
(ESSENTIAL MATHEMATICS 20SE)
Crédit: 1

Ce cours met l'accent sur des applications de consommation, la résolution de problèmes, la prise de décision et le sens spatial. Les élèves devront travailler individuellement et en petits groupes sur des concepts et des habiletés mathématiques que l'on rencontre quotidiennement dans une société technologique.

INTRODUCTION AUX MATHÉMATIQUES APPLIQUÉES / PRÉ-CALCUL 20SI PB FI
(INTRODUCTION TO APPLIED & PRE-CALCULUS 20SI PB FI)
Crédit: 1

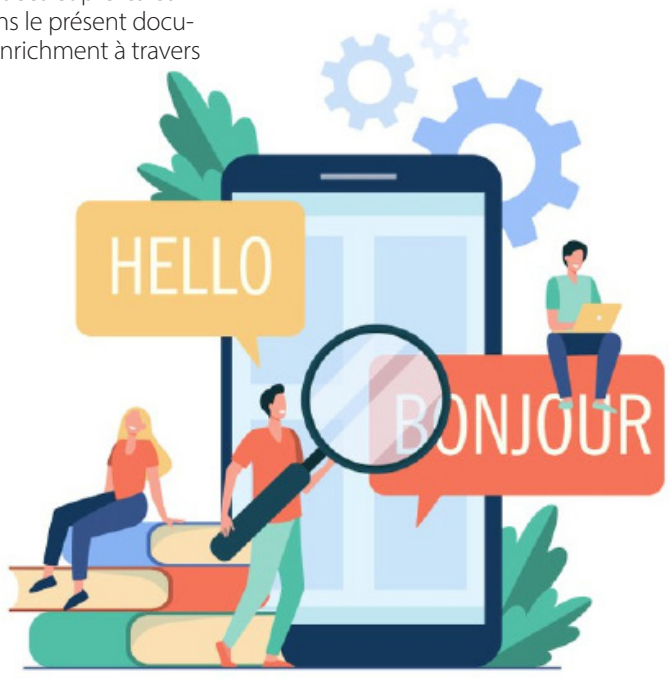
Ce cours aura les mêmes objectifs curriculaires que ceux du cours Introduction aux mathématiques appliquées et pré-calcul 20S tels que décrits dans le présent document. Ce cours offre l'enrichment à travers le contenu.

MATHÉMATIQUES AU QUOTIDIEN 30SE FI
(ESSENTIAL MATHEMATICS 30SE)
Crédit: 1

Ce cours met l'accent sur des applications de consommation, la résolution de problèmes, la prise de décision et le sens spatial. Les élèves devront suivre des activités qui incluent la technologie et la résolution de problèmes.

MATHÉMATIQUES APPLIQUÉES 30SA FI
(APPLIED MATHEMATICS 30SA FI)
Crédit: 1

Le contenu du cours est contextuel et fait la promotion de l'apprentissage des techniques de résolution de problèmes basés sur le nombre et la géométrie. La technologie fait partie intégrante de l'apprentissage et de l'évaluation.



FRENCH IMMERSION COURSE DESCRIPTIONS

MATHÉMATIQUES

NOTE: To see the French Immersion course descriptions written in English, please see the description of the equivalent course (shown in brackets after course title) in their department sections.

MATHÉMATIQUES PRÉ-CALCUL 30SPC FI

(PRE-CALCULUS MATHEMATICS 30SPC)

Crédit: 1

Le cours comprend un haut niveau d'études de mathématiques théoriques et met l'accent sur la résolution de problèmes et le calcul mental. Les sujets étudiés sont divisés en trois domaines: l'algèbre et le nombre, la trigonométrie et les relations et les fonctions.

MATHÉMATIQUES AU QUOTIDIEN 40SE FI (ESSENTIAL MATHEMATICS 40SE)

Crédit: 1

Le cours met l'accent sur des applications de consommation, la résolution de problèmes, la prise de décision et le sens spatial. Les élèves passeront un examen provincial.

MATHÉMATIQUES APPLIQUÉES 40SA FI (APPLIED MATHEMATICS 40SA)

Crédit: 1

Le contenu du cours est contextuel et fait la promotion de l'apprentissage des techniques de résolution de problèmes basés sur le nombre et la géométrie. Les mathématiques appliquées requièrent la flexibilité et la responsabilité de l'élève. Les élèves passeront un examen provincial.

MATHÉMATIQUES BI 32SSL

(PRE-CALCULUS MATHEMATICS 30S IB)

Crédit: 1

Ce cours fournira la chance aux élèves d'explorer les sujets tels que l'algèbre, la trigonométrie et les relations et les fonctions. Ce cours introduira des concepts additionnels du programme de BI qui incluent les fonctions, les suites et les séries, les polynômes et les fonctions et les réciproques.

MATHÉMATIQUES BI 32S

(APPLIED MATHEMATICS 30S IB)

Crédit: 1

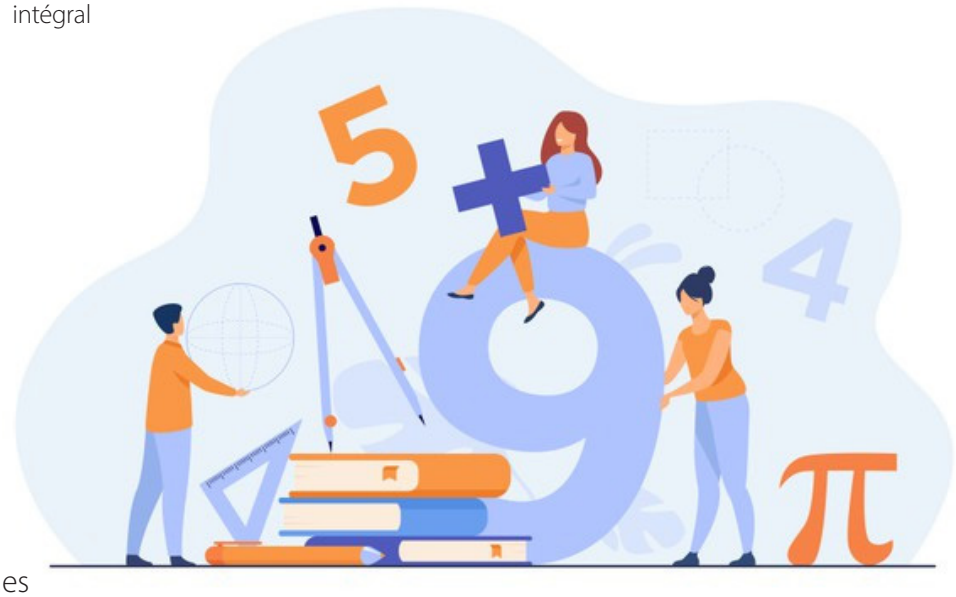
Ce cours mettra l'emphase sur les concepts fondamentaux au lieu des concepts qui impliquent les stratégies complexes de manipulation. Les élèves utiliseront le raisonnement mathématique pour résoudre des problèmes dans une variété de contextes. Les élèves vont apprendre plusieurs applications des mathématiques et des techniques statistiques. L'étude de mathématiques BI est recommandée pour les élèves qui envisagent de poursuivre des études post-secondaires qui ne nécessitent pas l'étude du calcul différentiel et intégral

MATHÉMATIQUES PRÉ-CALCUL 40SPC FI

(PRE-CALCULUS 40S)

Crédit: 1

Ce cours est conçu pour des élèves qui envisagent d'étudier le calcul et poursuivre des études postsecondaires qui nécessitent l'étude du calcul différentiel et intégral. Le cours comprend un haut niveau d'études de mathématiques théoriques et met l'accent sur la résolution de problèmes et le calcul mental. Les élèves passeront un examen provincial.



FRENCH IMMERSION COURSE DESCRIPTIONS

SCIENCES

NOTE: To see the French Immersion course descriptions written in English, please see the description of the equivalent course (shown in brackets after course title) in their department sections.

SCIENCES DE LA NATURE 10F FI (SCIENCE 10F)
Crédit: 1

Ce cours est une introduction aux notions fondamentales de la science: la réproduction, les atomes et les éléments, l'éléctricité, and l'éxploration de l'univers.

SCIENCES DE LA NATURE 20F FI (SCIENCE 20F)
Crédit: 1

Le programme d'études Sciences 20S comprend la chimie, la physique, la biologie, et la météorologie.

SCIENCES DE LA NATURE 20F PB FI (SCIENCE 20FPB)
Credit: 1

Ce cours est offert en français en suivant le programme d'études du cours Science 20F. La chimie, l'écologie, et la physique seront étudiées en profondeur pour mieux préparer l'élève pour ses cours en 11e année.

BIOLOGIE 30S FI (BIOLOGY 30S)
Crédit: 1

Ce cours est une introduction aux notions fondamentales de l'homéostasie et du bien-être, suivie d'un aperçu de la biologie des systèmes humains. L'élève est invité à prendre conscience de son corps par une étude approfondie de l'anatomie et de la physiologie humaine.

BIOLOGIE 40S FI (BIOLOGY 40S)
Crédit: 1

Ce cours aborde les thèmes suivants: les acides nucléiques, la génétique, l'évolution et la biodiversité. Ce cours met également l'accent sur l'interaction entre les sciences, la technologie et la société en abordant des questions d'actualité et des problèmes impliquant la science.

CHIMIE 30S FI (CHEMISTRY 30S)
Crédit: 1

Ce cours comprend une étude des phénomènes chimiques au niveau moléculaire. Les principaux sujets abordés sont les propriétés physiques de la matière, les gaz et l'atmosphère, les réactions chimiques, les solutions, et la chimie organique. L'élève doit avoir une base solide en mathématiques au préalable.

CHIMIE 40S FI (CHEMISTRY 40S)
Crédit: 1

Ce cours est destiné aux élèves désirant poursuivre des études post-secondaires. Les sujets traités sont la structure atomique, la cinétique, l'équilibre chimique, les acides et les bases, et l'oxydoréduction. Il est attendu que l'élève puisse résoudre les problèmes selon l'approche molaire. L'élève doit avoir une base solide en mathématiques au préalable.

PHYSIQUE 30S FI
(PHYSICS 30S)
Crédit: 1

Les élèves vont étudier le mouvement de la matière et de l'énergie. Les élèves vont recevoir une éducation de la fondation de la mécanique, les champs, les ondes, et la lumière. L'élève doit avoir une base solide en mathématiques au préalable.

PHYSIQUE 40S FI
(PHYSICS 40S)
Crédit: 1

Les élèves vont étudier le mouvement de la matière et de l'énergie. Les sujets principales du cours sont : le mouvement en deux dimensions, la conservation de quantité de mouvement et d'énergie, la motion orbitale, les champs électriques et magnétiques, les circuits électriques, l'induction électromagnétique, et la physique nucléaire. L'élève doit avoir une

FRENCH IMMERSION COURSE DESCRIPTIONS

SCIENCES HUMAINES

NOTE: To see the French Immersion course descriptions written in English, please see the description of the equivalent course (shown in brackets after course title) in their department sections.

LE CANADA DANS LE MONDE CONTEMPORAIN 10F FI

(CANADA IN THE CONTEMPORARY WORLD 10F)

Crédit: 1

L'élève explorera la vie au Canada à partir des thématiques de diversité et de pluralisme, la démocratie et le gouvernement canadien, le Canada dans le contexte mondial, et les possibilités et les défis de l'avenir canadien.

GÉOGRAPHIE 20F FI

(GEOGRAPHY 20F F FI)

Crédit: 1

L'élève acquerra des connaissances, des habiletés et des valeurs requises pour mieux comprendre le Canada et le monde dans lequel il ou elle vit. L'élève explorera aussi diverses perspectives concernant les enjeux géographiques au Canada. Quelques thèmes que nous aborderons incluent : la géographie du Canada et du monde, l'agriculture, les ressources naturelles, l'urbanisation, et l'interaction entre les humains et l'environnement.

GÉOGRAPHIE 20F PB FI

(GEOGRAPHY 20F PB FI)

Crédit: 1

L'élève acquerra des connaissances, des habiletés et des valeurs requises pour mieux comprendre le Canada et le monde dans lequel il ou elle vit. L'élève explorera aussi diverses perspectives concernant les enjeux géographiques au Canada. Quelques thèmes que nous aborderons incluent : la géographie du Canada et du monde, l'agriculture, les ressources naturelles, l'urbanisation, et l'interaction entre les humains et l'environnement. Il y a une mise en relief particulière sur la recherche dans le contexte du cours du Pre-Baccalauréat.

HISTOIRE DU CANADA 30F FI

(HISTORY OF CANADA 30F FI)

Crédit: 1

Nous verrons les évènements principaux qui ont contribué à former notre grand pays et notre peuple. L'élève examinera les évènements du passé de différentes perspectives afin d'acquérir une meilleure compréhension du Canada comme il était et comme il est aujourd'hui.

HISTOIRE: LE CINÉMA, TÉMOIN DE L'HISTOIRE MODERNE 40S FI

(CINEMA AS A WITNESS TO MODERN HISTORY 40S)

Crédit: 1

L'élève étudiera le cinéma comme forme d'art et aussi comme interprète de l'histoire. La pensée historique servira à analyser des thèmes principaux de l'histoire du monde contemporain représentés dans des films du 20e siècle. L'élève engagera dans un visionnement guidé du film et fera de la recherche sur un sujet. Ensuite, on développera ses habilités de littératie médiatique en démontrant par des moyens variés une évaluation critique de la technique et de la représentation historique du film.

PSYCHOLOGIE 40S

(PSYCHOLOGY 40S)

Crédit: 1

L'élève recevra une initiation aux divers facteurs qui influencent nos émotions, nos pensées et nos actions. Les thèmes explorés incluent les recherches, le fonctionnement du cerveau, la personnalité, l'apprentissage, la mémoire, les niveaux de la conscience et les troubles psychologiques. L'élève apprendra à mieux se connaitre ainsi qu'à mieux comprendre les autres.

ENJEUX GLOBAUX: CITOYENNETÉ ET DURABILITÉ 40S

(GLOBAL ISSUES; CITIZENSHIP & SUSTAINABILITY 40S)

Crédit: 1

Ce cours vise à développer chez les élèves une perspective globale au sujet des enjeux sociaux, politiques et économiques actuels, à améliorer leurs compétences en matière de recherche et communication écrite qui leur seront utiles dans le cadre de leurs études universitaires, et enfin à les encourager à participer activement aux enjeux auxquels font face leur communauté et le monde. Un projet communautaire représentera 20% de la note finale. Les élèves souhaitant suivre ce cours doivent manifester un fort intérêt pour les questions de société contemporaines.

COLLÈGE MILES MACDONELL COLLEGIATE

INTERNATIONAL BACCALAUREATE PROGRAM

CORE COURSES

Theory of Knowledge are time-tabled. Extended Essay and CAS will be completed outside of the regular schedule with the support of staff mentors.

THEORY OF KNOWLEDGE IB 32S & IB 42S

Credit: 1

What do we mean when we say that we know something?

Students will explore this question in the first semester of Theory of Knowledge through eight ways of knowing. In second semester, their exploration continues via the areas of knowledge, similar to academic disciplines.

Students will develop skills in critical thinking, Socratic discussions, and both analytic and philosophical writing. Students are expected to participate actively in large and small group discussions to show their understanding of key concepts.

EXTENDED ESSAY

The extended essay is an opportunity for students to complete a focused inquiry into a topic of their choice. Students will benefit from the guidance of a teacher supervisor who will help them through the process of conducting academic research and reflecting on methods and challenges. This leads to a formally presented 4000 word essay, in which ideas and findings are communicated in a reasoned and coherent manner, appropriate to the subject chosen. The extended essay is externally assessed against common criteria, interpreted in ways appropriate to each subject.

CREATIVITY, ACTIVITY, SERVICE (CAS)

CAS is at the heart of the Diploma Program. With its holistic approach, CAS is designed to strengthen and extend students' personal and interpersonal learning. Organized around the three strands of creativity, activity, and service, students will plan, reflect, and report on individual learning goals in areas of their own interest. They will also collaborate with classmates in completing a project aimed at improving student identified areas of need in our community. Completed over 18 months, students develop a portfolio as evidence of their achievement and get an opportunity to share their CAS experiences and project with students and staff.

LANGUAGES COURSE DESCRIPTIONS

Students are highly encouraged to create a "language learning environment" to increase their exposure to the language of study. This could involve the consultation of online resources or media, changing computer settings and interface to the target language as well as seeking out opportunities to practice authentic communication with their classmates and beyond.
Regular engagement and practice are keys to success in language acquisition courses.

Should the language acquisition course be offered in a virtual learning situation, these strategies would be very important for independent practice outside of the 'virtual classroom'. In a virtual classroom setting, students may experience the following types of activities: Oral communication activities through teacher-directed synchronous lessons, student-led video or audio chat groups, independent or group video/audio recordings and/or presentations. Reading and writing activities in a virtual notebook; contributing written messages to channels or platforms in the Learning Management System as well as activities using online resources provided to support instruction and independent practise.

For all French Immersion courses please refer to the French Immersion listings.
French: Communication and Culture courses are not intended for French Immersion students.

FRENCH COMMUNICATION & CULTURE 10F

Credit: 1

Students will develop their skills in French as a means of communication. This course serves as a follow up to middle years, and provides a foundation for future high school studies.
Students will develop both oral and written communication and comprehension skills and increase their awareness of Francophone culture. They will engage in a variety of guided or independent activities to increase their language skills, strategies and knowledge of structures and vocabulary.

FRENCH COMMUNICATION & CULTURE 20F

Credit: 1

Students will continue to develop knowledge and skills in speaking, listening, reading and writing, using an increased variety of sentence structures and vocabulary. Students will further develop strategies to support authentic communication with fluency and spontaneity. They will increase their awareness of Francophone cultures and various French-speaking communities, and work towards becoming life-long language learners.

FRENCH COMMUNICATION & CULTURE 30S

Credit: 1

Students will continue to develop proficiency, accuracy, and spontaneity in both oral and written communication. Students will communicate and interact in French with increasing independence and enhance their understanding and appreciation of diverse French-speaking communities. Students will further develop skills as life-long language learners.

FRENCH COMMUNICATION & CULTURE 40S

Credit: 1

Students will develop a wider appreciation of French culture and an increased knowledge of language elements. They will understand and communicate in a variety of situations with relative ease and accuracy. Students will see the value of their French education as a tool for personal, intellectual, and social growth, as well as a factor contributing to global citizenship. Students will develop a strong basis for continued academic or conversational studies as life-long learners of French.

FRENCH COMMUNICATION & CULTURE

20F PB, IB 32SSL & IB 42SSL

Credit: 1 at each level

These courses are based on the standard French: Communication and Culture curriculum and are for second language students seeking an IB diploma. Students will experience an enriched curriculum in order to prepare for the IB assessments and exams. Students will develop a strong basis for future studies. Students will develop a higher degree of proficiency, accuracy, and spontaneity in the language.

LANGUAGES COURSE DESCRIPTIONS

JAPANESE 30S
Credit: 1

Students will be introduced to some of the basic *Kanji* characters and more advanced grammatical patterns while increasing their ability to communicate in Japanese.

JAPANESE 40S
Credit: 1

Students will be immersed in the study of the *Kanji* characters and the practical communication use of the language in a variety of situations.

SPANISH 20G
Credit: 1

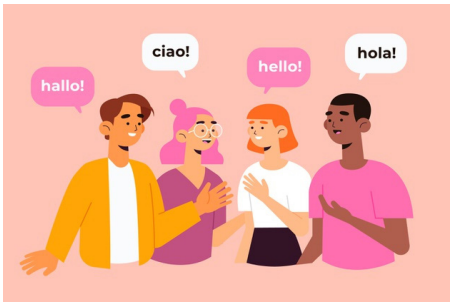
This beginner course emphasizes aural-oral Spanish. Students will practice pronunciation, intonation, and will develop an extensive, practical vocabulary. Students will learn about various Spanish-speaking cultures. Students will speak in Spanish during class discussions, group work, skits, and presentations to develop confidence in newly acquired Spanish-speaking skills.

SPANISH 30S
Credit: 1

Students will undertake a more detailed exploration of the language and culture of the Spanish-speaking world. Students will continue to develop fluency in oral expression as well as comprehension. Students will be able to listen, speak, read, and write at an intermediate level.

SPANISH 40S
Credit: 1

Students will focus on Spanish culture and will be challenged to converse in Spanish every class. Students will continue to develop speaking fluency and will learn to understand a variety of written materials. Students will discover the rich cultural diversity of the Spanish-speaking world through history, architecture, music, food, politics, literature, and celebrations.



SPANISH 20G PB, SPANISH IB 32SA, SPANISH IB 42SA
Credit: 1 at each level

This course is for students who do not have previous knowledge of Spanish. Students will learn to speak, read and comprehend Spanish through various reading, writing, speaking and listening activities. They will also gain understanding and appreciation of Spanish culture. Activities throughout the program will focus on themes or projects that will help students to communicate in an authentic and meaningful way.

MATHEMATICS COURSE DESCRIPTIONS

GRADE 9 and 10 COURSES

Math is a required compulsory course from Grade 9 to Grade 12. All Math courses offered at CMMC lead to access to post secondary education. Grade 12 students will no longer be writing Provincial exams in Mathematics.

The goals of our math courses are to provide attitudes, knowledge, skills, and understandings for specific post-secondary programs or direct entry into the workforce. The math pathways provide students with mathematical understandings and critical-thinking skills. It is the choice of topics through which those understandings and skills are developed that varies among courses. When choosing a math course, students should consider their interests, both current and future.

**GRAPHING AND SCIENTIFIC CALCUALTOR USE IN MATHEMATICS The use of technology in the study of mathematics has become more important in recent years. The graphing calculator that will be used at CMMC will be the Texas Instruments 83 Plus or Texas Instrument 84 Plus.

MATHEMATICS 10F
Credit: 1

Students will participate in activities stemming from a problem-solving approach. These activities are based on the seven mathematical processes.

INTRODUCTION TO APPLIED AND PRE-CALCULUS MATHEMATICS 20SI PB
Credit: 1

This course follows the same curriculum as Introduction to Applied and Pre-Calculus Mathematics 20. The course will provide students with opportunities for curricular enrichment. Students should have a good background in mathematics and problem solving.

INTRODUCTION TO APPLIED AND PRE-CALCULUS MATHEMATICS 20SI
Credit: 1

Students will engage in projects and activities that include the use of technology, problem solving, mental mathematics, and theoretical mathematics.

ESSENTIAL MATHEMATICS 20SE
Credit: 1

Students will learn consumer applications, problem solving, decision making, and spatial sense as it relates to everyday life in a technological society.

MATHEMATICS COURSE DESCRIPTIONS

GRADE 11 COURSES

ESSENTIAL MATHEMATICS 30SE
Credit: 1

Students will explore personal finance, problem solving, consumer applications, and spatial sense as they relate to everyday life in a technological society.

APPLIED MATHEMATICS 30SA
Credit: 1

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies that do not require the study of theoretical calculus. Topics include measurement, geometry, logical reasoning, statistics, and relations and functions with a focus on contextual applications.

PRE-CALCULUS MATHEMATICS 30SP
Credit: 1

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies that require the study of theoretical calculus. Topics include expressions and equations, sequences and series, trigonometry, and relations and functions with a focus on theoretical mathematics at a high level.

PRE-CALCULUS MATHEMATICS 30S IB
Credit: 1

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies that require the study of theoretical calculus. Topics include expressions and equations, trigonometry, and relations and functions with a focus on theoretical mathematics at a high level. Students will experience both the provincial and IB curricula.

APPLIED MATHEMATICS 30S IB
Credit: 1

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies that do not require the study of theoretical calculus. Topics include measurement, geometry, logical reasoning, statistics, and relations and functions with a focus on contextual applications. Students will experience both the provincial and IB curricula.

MATHEMATICS COURSE DESCRIPTIONS

GRADE 12 COURSES

ESSENTIAL MATHEMATICS 40SE
Credit: 1

Students will explore consumer applications, problem solving, decision making and spatial sense as it relates to everyday life in a technological society. The major topics are finance, statistics, and career life.

APPLIED MATHEMATICS 40SP
Credit: 1

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies that do not require the study of theoretical calculus. Topics include financial mathematics, logical reasoning, probability, relations and functions and design measurement with a focus on contextual applications.

PRE-CALCULUS MATHEMATICS 40SP
Credit: 1

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies that require the study of theoretical calculus. Topics include transformations, function operations, trigonometry, polynomials, rational and radical functions, exponential and logarithmic functions, permutations, combinations, and the binomial theorem with a focus on theoretical mathematics at a high level.

PRE-CALCULUS MATHEMATICS 40S IB
Credit: 1

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies that require the study of theoretical calculus. Topics include transformations, function operations, trigonometry, polynomials, rational and radical functions, exponential and logarithmic functions, permutations, combinations, and the binomial theorem with a focus on theoretical mathematics at a high level. Students will experience both the provincial and IB curricula.

APPLIED MATHEMATICS 40S IB
Credit: 1

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies that do not require the study of theoretical calculus. Topics include financial mathematics, logical reasoning, probability, statistics, relations and functions and design measurement with a focus on contextual applications. Students will experience both the provincial and IB curricula.

MATHEMATICAL STUDIES IB 42SSL
(Applied Mathematics)
Credit: 1

This course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content; it is for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications, with and without technology. Topics include sequences and series, probability, statistics, and calculus.

APPLIED MATHEMATICS IB 42SSL
(Applications & Interpretations)
Credit: 1

This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics. Topics include measurement, trigonometry, statistics, functions, probability and calculus.

PHYSICAL EDUCATION COURSE DESCRIPTIONS

GRADE 9

PHYSICAL EDUCATION / HEALTH EDUCATION PEH10F

Credit: 1

This is a compulsory course scheduled daily in one semester. Students will participate in a wide range of activities including team, individual, and racquet sports as well as alternative pursuits. In addition to these activities, compulsory topics including personal and social management, fitness development, substance use and abuse prevention, human sexuality, muscle physiology, and First Aid will be covered.

GRADE 10

PHYSICAL EDUCATION / HEALTH EDUCATION PEH20F

Credit: 1

This is a compulsory course scheduled daily in one semester. Students will participate in a variety of physical activities including team sports, alternative pursuits, and racquet sports. During the activity blocks students will have the opportunity to choose from several activities. Compulsory topics include heart fitness, resistance training, human sexuality, nutrition, cardiopulmonary resuscitation, substance abuse, and stress management

GRADE 11 & 12

PHYSICAL EDUCATION / HEALTH EDUCATION PEH30F & PEH40F

Credit: 1

All grade 11 and 12 students must choose one of the following Physical Education streams:
1. Activity Based
2. Life Fitness

The 30F & 40F courses will be assessed as complete (CO) or incomplete (IN) to earn the required credit.

Students will develop habits that promote healthy, active futures. Students will develop personal fitness, leadership qualities, sport skills, and explore different lifetime activities.

Option 1

ACTIVITY BASED
Physical/Health Education PEH30F & PEH40F

This course is scheduled every second day in one semester. Students will complete a 55-hour physical activity practicum of moderate to vigorous activity outside of class time. In class, students will have 27.5 hours of activity time which includes options of fitness training, team and individual sports, dance, and a variety of field trips.
In the remaining hours of contact time, students will explore the curricular health modules.

Option 2

LIFE FITNESS
Physical/Health Education PEH30FLF & PEH40FLF

This course is scheduled every second day in one semester. Students will complete a 55-hour physical activity practicum of moderate to vigorous activity outside of class time. In class, students will have 27.5 hours of instruction and learning related to cardiovascular, resistance, and flexibility training. Students will explore different ways of training as well as how to adapt/change workout routines to improve fitness and meet individual goals. Use of off-site facilities and field trips may be incorporated. In the remaining hours of contact time, students will explore the curricular health modules.

SCIENCE COURSE DESCRIPTIONS

SCIENCE 10F
Credit: 1

Students will be introduced to four areas of science: reproduction, atoms and elements, the nature of electricity, and exploring the universe.

SCIENCE 20F
Credit: 1

Science 20F introduces students to four areas of science: chemistry, physics, ecology, and weather.

SCIENCE 20F PB
Credit: 1

This course follows the provincial curriculum with enhanced topics related to biology, chemistry, and physics. Students will develop skills in lab techniques, critical thinking, experimental design, and interpretation of data.

BIOLOGY 30S
Credit: 1

Students will develop an interest in biology while focusing on the structure and function of the human body. Students will explore topics including wellness and homeostasis, digestion and nutrition, excretion, circulation, immunity, and response.

BIOLOGY 40S
Credit: 1

Students will focus on concepts and common themes in biology, including DNA, mechanisms of inheritance, evolution, and biodiversity. Students will apply problem solving skills and critical thinking to important biological concepts.

Biology 30S is not required to register for Biology 40S. This course is also offered online.

BIOLOGY: IB 32SHL, IB 42SSL & IB 42SHL
Credit: 1 at each level

Students will explore all the topics of the regular high school Biology program, plus additional content including the cell, biochemistry, human physiology, genetics, and ecology. Students will explore topics in more depth, with an emphasis on problem solving and experimental work.

ENVIRONMENTAL SYSTEMS AND SOCIETIES IB 32SSL, and IB 42SSL
Credit: 1 at each level

Students will gain understanding of the interrelationships between environmental systems and societies from a scientific, ethical, and socio-political perspective. Students will investigate their own relationship with the environment and become aware of the significance of choices and decisions that they make.

SCIENCE COURSE DESCRIPTIONS

CHEMISTRY 30S
Credit: 1

A scientific calculator is required.

Students will receive an introduction to chemistry and a basis for further studies in the field. A good grasp of mathematics is critical. Students will study a variety of topics, including the physical properties of matter, chemical reactions, and organic chemistry.

CHEMISTRY IB 32SSL and IB 42SSL
Credit: 1 at each level

A scientific calculator is required.

Students will cover all the topics of the regular high school chemistry curriculum plus an additional topic of Medicinal Chemistry. Students will experience more content in more depth, with emphasis on problem solving and experimental work.

CHEMISTRY 40S
Credit: 1

A scientific calculator is required.

Students will study a variety of topics, such as atomic structure, kinetics, acids and bases, and electrochemistry.

PHYSICS 30S
Credit: 1

A scientific calculator is required.

Students will study the motion of matter and energy. Students will receive a foundation for further studies in the field of Physics. Students should have a good background in mathematics and problem solving.

PHYSICS 40S
Credit: 1

A scientific calculator is required.

Students will study motion of matter and energy. Students will receive a foundation for further studies in the field of Physics. Students should have a good background in mathematics and problem solving.

PHYSICS: IB 32SHL, IB 42SSL, & IB 42SHL
Credit: 1 at each level

A scientific calculator is required.

Students will study motion of matter and energy. In this course, students will explore the natural world through observation, measurement, calculation, and analysis. Students in the IB course will experience an advanced study of core topics in the Manitoba curriculum, they will solve more complex problems, and they will complete more in-depth error analysis of experimental based work. In addition, students in the IB course will also learn about relativity, particle physics, quantum mechanics, and thermodynamics. Students should have a good background in mathematics and problem solving.

A minimum grade of 70% in the prerequisite is recommended.

SOCIAL SCIENCES COURSE DESCRIPTIONS

CANADA IN THE CONTEMPORARY WORLD 10F
Credit: 1

Students explore Canada's contemporary plurality. Beginning with an overview of Canada today, students examine the evolving stories of interaction among Canada's people and the influence of the land. They explore citizenship and identity, along with contemporary Canadian questions and issues are examined within the global context. Students are enabled to become informed decision makers actively involved in their local, national, and global communities.

GEOGRAPHIC ISSUES OF THE 21ST CENTURY 20F
Credit: 1

Students will develop skills related to geographical thinking, and study the methods and tools of geography. Students study concepts related to natural resources, food, industry, and urbanization in the context of Canada, North America, and the world. Students become aware of the importance of the environment, stewardship, and sustainable development, as well as the various implications of their personal choices.

GEOGRAPHIC ISSUES OF THE 21ST CENTURY 20F PB
Credit: 1

This course is an extension of Geography 20F. Students will undertake more in-depth study with greater emphasis on research, analysis and writing skills.

HISTORY: AMERICAN 20G
Credit: 1

Students will learn about major events in American history and how they have shaped the United States of today. Students will study founding documents such as the Declaration of Independence and the Bill of Rights, as well as watershed moments like the Civil War and the upheavals of the 1960s. Students will also study contemporary socio-economic and political issues. Students will explore multiple perspectives, evaluate the reliability of research sources, and use historical evidence to support written arguments.

HISTORY OF CANADA 30F
Credit: 1

Students will understand and appreciate the events in Canada's history that shape their world today. Students will explore a variety of topics from early indigenous societies to the present day. Students will engage in history through document and film analysis, group discussion, and academic research. Students of history will develop many skills, including critical thinking, citizenship, and considering multiple perspectives when tackling a problem.

HISTORY IB 32SSL
Credit: 1

This course is an extension of the History of Canada 30F and moves at an accelerated pace. In addition to Canadian history, students will explore the French revolutions as an important watershed moment in world history. Students will develop historical thinking skills, with an added emphasis on research and written composition.

HISTORY IB 42SSL & 42SHL
Prerequisite: *History IB 32SSL*
Credit: 1 (each course)

Students will study the history of Europe from the Napoleonic Age through to the World Wars (1914-45), including the development of authoritarian states in Russia, Germany and Italy. Students will be introduced more fully to how history works as an academic discipline. Students will consider the reliability of sources, practice critical analysis, develop evidence-based arguments, and engage in historiography. A wide range of sources, including text, images, and film, will be used as teaching tools. This course is rich in both content and skill development and is ideal for students who are enthusiastic about history.

SOCIAL SCIENCES COURSE DESCRIPTIONS

PSYCHOLOGY 40S

Credit: 1

Grade 11 students may register for this course

Students will gain basic understanding of the many factors which influence how we feel, think and act. Themes will include research, workings of the brain, personality, learning, memory, states of consciousness, and psychological disorders. Students planning to study Psychology in university will receive a comprehensive introduction to the discipline. All students will learn more about themselves and others.
This course is also offered online.

GLOBAL ISSUES: CITIZENSHIP AND SUSTAINABILITY 40S

Credit: 1

Grade 11 students may register for this course.

Students will conduct inquiry into the social, political, environmental and economic impact of a variety of contemporary global issues. Students will be empowered as agents of change for a sustainable and equitable future. Students will plan and implement a community-based Take Action project.

CURRENT TOPICS IN FIRST NATIONS, METIS AND INUIT STUDIES 40S

Credit: 1

Grade 11 students may register for this course

Students will learn about the cultures, traditions, and world views of Indigenous peoples in Canada through the exploration of history as well as contemporary issues. Students will exercise critical thinking and inquiry skills, and engage in discussion to gain a better understanding of some of the past and present realities facing Canadian Indigenous peoples. There will be focus on education and building relationships as tools to reconciliation.

SPORTS PSYCHOLOGY 31G (Healthy Lifestyles)

Credit: 1

Students will investigate the relationship between mental skill development and enhancing sports performance. Students will become aware of how their mental and emotional skills, attitudes, perspectives, strategies and processes can lead to optimal performance in competition, training, well-being, and personal growth.
It is recommended that students are currently participating in competitive sport or activity.

LAW 40S

Credit: 1

Grade 11 students may register for this course

Students will explore the concepts of law in Canada. Students will develop their understanding of the Canadian Charter of Rights and Freedoms, the Canadian legal and criminal justice system, and types of law such as family law, civil law, and criminal law. The course includes regular group discussion of current issues and cases which will allow students to use critical thinking and communication skills to develop informed opinions on legal issues. This course will be of interest to those students pursuing a career in law enforcement or the criminal justice system.

TECHNOLOGY EDUCATION COURSE DESCRIPTIONS

COMPUTER SCIENCE

Knowledge of computers and their application to the world of work is becoming increasingly important in our society. Computers are in our homes, schools and workplaces and are being used in almost every career. With this in mind, Collège Miles Macdonell Collegiate offers a variety of computer-based courses.

Computer Science looks to the future in a world that is changing very quickly. Students in Computer Science study both the science and the social impact of technology. Experience in computing enables you to solve complex, challenging problems.

In Computer Science, students will:

- Independently code creative programs
- Develop skills in theory and problem-solving
- Apply theoretical content to real-world situations
- Prepare for varied employment

COMPUTER SCIENCE 20S

Credit: 1

Note: This course is open to grade 9 and 10 students

Students will learn the basic concepts of Computer Science and learn to program and debug in languages such as Scratch, C# and JavaScript. Using various platforms and resources, students will explore interactive games and app development in both individual and collaborative contexts. They will learn how to design and plan their own original web games and interactive applications using their own interests to maximize creativity and progress.

COMPUTER SCIENCE 30S

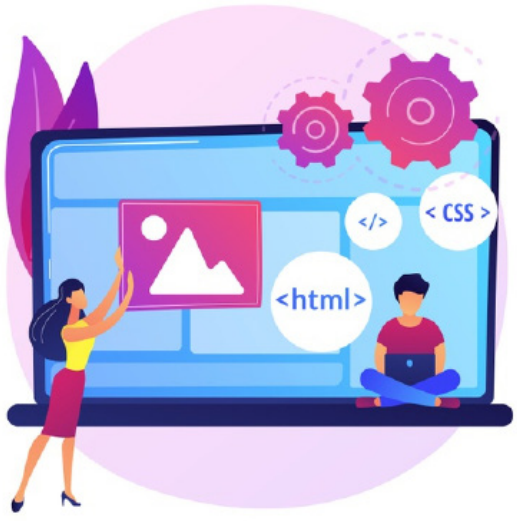
Credit: 1

Students will learn the fundamentals of Computer Science and project development. They will learn to program in languages such as JavaScript and Java through collaborative projects to create programs, games and applications of personal relevance. Students will learn how to manage and structure the different layers in projects such as front-end design and back-end programming while focusing on the user experience and following professional practices. Students' own interest and curiosities will guide their projects to maximize creativity and progress.

COMPUTER SCIENCE 40S

Credit: 1

Students will engage in collaborative projects as creators of technology to develop computer knowledge and skills like creative thinking and problem solving. Using multiple tools, platforms, and languages, students will practice computational thinking, explore computer-related career paths, and explore professional tools that foster creativity and collaboration. Projects and problems are guided by student interest and may include app development, cyber security systems, and AI simulations.



TECHNOLOGY EDUCATION COURSE DESCRIPTIONS

GRAPHIC COMMUNICATION TECHNOLOGY

Well-placed and well-designed images can convey an infinite variety of ideas and information. Digital Designers change the way people see and interact with the world by creating title sequences, videos, advertising, branding, Web content and creative entertainment. These courses provide a comprehensive design education. Students use industry-specific equipment to communicate ideas and stories through different media, including video, print, animation, and motion graphics. These courses will appeal to students interested in digital media design, architecture, interior design, and visual arts.

GRAPHIC COMMUNICATION TECHNOLOGY 10G

Credit: 1

Students will learn to design vector based graphics, posters, menus and web graphics. They will learn how to manipulate and correct photos, remove and add elements, add special effects, and combine multiple images to make a collages. Projects are individualized to maximize student creativity and interests.

GRAPHIC COMMUNICATION TECHNOLOGY 20G

Credit: 1

Students will learn about photography and videography. They will learn how to create motion graphics and special effects to include in their video projects. Students will learn the fundamentals of 2D and 3D animation, drawing characters and planning storyboards.

GRAPHIC COMMUNICATION TECHNOLOGY 30S

Credit: 1

Students will learn the fundamentals of 3D animation including 3D space, modeling, geometry types, nodes, materials and lighting. Students will animate by adding bones to characters to create fluid motion, using cameras to change view points and time line. Students will render their projects. Students will write, plan, shoot, edit, and present a variety of media productions using digital video and motion graphics. Green screen masking, advanced lighting, sound, and camera techniques will be explored.

GRAPHIC COMMUNICATION TECHNOLOGY 40S

Credit: 1

Students will advance their skills in photography, videography, 2D and 3D modelling and animation, motion graphics, vector drawing and photo manipulation. They will specialize in the area(s) they are most interested in. Experimentation into new technologies will be provided. This is a good opportunity to build a portfolio for post secondary entrance into various creative programs.

TECHNOLOGY EDUCATION COURSE DESCRIPTIONS

DRAFTING DESIGN TECHNOLOGY

Drafting Design Technology courses will appeal to students interested in careers in architecture, engineering, design, and a variety of trades.

DRAFTING DESIGN TECHNOLOGY 10G

Credit: 1

Students will sample manufacturing and engineering with a focus on design drafting technologies. Students will explore basic concepts, discover technical sketches, and create computer-generated 3D models using project-based activities and design challenges.

TECHNOLOGIE DU DESSIN INDUSTRIEL 10G

(DRAFTING DESIGN TECHNOLOGY 10G)

Credit: 1

Le dessin industriel est la discipline qui vise la création d'objets à la fois fonctionnels et esthétiques en combinant les éléments artisitiques et technologies.

DRAFTING DESIGN TECHNOLOGY 20G

Credit: 1

Students will further explore manufacturing and engineering processes using drafting design technologies with a focus on developing working drawings. Students will work towards becoming comfortable with multiple Computer-Aided Drafting (CAD) programs. The emphasis will be on project-based activities with opportunities to engage with their own 3D printed designs.

DRAFTING DESIGN TECHNOLOGY 30S

Credit: 1

Students will build on their knowledge of manufacturing and engineering processes to include architectural design drafting. The course is open to students new to drafting who are motivated to learn new concepts. Students will focus on the design of a residence.

DRAFTING DESIGN TECHNOLOGY 40S

Credit: 1

Students will prepare to transition to industry or post-secondary education from drafting design technology. Students will apply the design process to a major architectural and/or engineering focused project. Students will create prototypes, models, and working drawings using a variety of Computer-Aided Drafting (CAD) programs for a major project.