



Schedule

École Apprendre-chez-soi offers the courses listed in this document in a synchronous model using Microsoft Teams. The courses follow the schedule of the high schools in the Louis Riel School Division, which divides the school day into five 75-minute blocks plus a lunch hour. The blocks are as follows:

- Block A – 8:30 – 9:45
- Block B – 9 :45 – 11:00
- Block C – 11:00 – 12:15
- Lunch – 12:15 – 1:15
- Block D – 1:15 – 2:30
- Block E – 2:30 – 3:45

Semester 2 for the 2021-2022 school year begins on February 7 and ends on June 30, 2022. For this semester, we will be offering the following courses during the blocks indicated next to the course name. Descriptions of each course follow the schedule.

Courses for French Immersion Students

- **Math:**
 - Grade 9, Mathématiques 10F (Block C)
 - Grade 10, Introduction aux mathématiques appliquées et pré-calcul 20S (Block D)
 - Grade 12, Mathématiques pré-calcul 40S (Block E)
 - Grade 12, Mathématiques au quotidien 40S (Block D)
- **Social Studies:**
 - Grade 11, Histoire du Canada 30S (Block C)
- **Science:**
 - Grade 11, Biologie 30S (Block A)
- **Languages:**
 - Grade 9/10, Français 10F/20F (Block E)
 - Grade 9/10, Espagnol 10F/20F (Block B)
- **Music:**
 - Grade 9/10, Technique de production musicale 20S/30S (Block A)
- **Information and Communication Technology:**
 - Grade 9, Application des technologies de l'information et de la communication 1 et 2 (15F – two half-credits) (Bloc A)
 - Grade 9, Introduction à dessin technique 10G (Bloc B)

Courses Exclusively for Students Enrolled in an English High School

- **Language:**
 - Grade 9/10 French Communication and Culture (Basic French) 10F/20F (Block B)
 - Grade 11/12 French Communication and Culture (Basic French) 30S/40S (Block D)

French Immersion Course Descriptions

Mathematics

Mathematics (Mathématiques) 10F

Grade 9 Mathematics (10F) is a foundation course to prepare students for multiple pathways in Grades 10 to 12. The acquired knowledge in this introductory course will help the students select their future mathematics courses. Students will be expected to complete daily assignments in order to master concepts presented in class. Topics studied include number sense, exponents, polynomials, linear relations and geometry. Problem solving is emphasized in all units.

Introduction to Applied & Pre-Calculus Mathematics (Introduction aux mathématiques appliquées et pré-calcul) 20S

Students considering this course should have achieved a mark of 65% and above in Grade 9. This pathway provides students with the mathematical understanding and critical-thinking skills that have been identified for specific post-secondary programs of study. The topics studied form the foundation for topics to be studied in both Grade 11 Applied Mathematics and Grade 11 Pre-calculus Mathematics.

Students will engage in activities that include the use of technology, problem solving, mental mathematics, and theoretical mathematics to promote the development of mathematical skills. Please note that this course is strongly recommended for Physique 30S and Chimie 30S.

- Prerequisite: Mathématiques 10F

Essential Mathematics (Mathématiques au quotidien) 40S

Essential Mathematics 40S is a course whose main objective is to ensure that students gain sufficient knowledge and skills in mathematics so that they may better understand issues in a technological society as well as in their own lives. Students have the opportunity to develop the cooperative, interactive, and communicative skills required for future careers and as active citizens. The units of study for this course will include home finances, geometry and trigonometry, statistics and precision measurement.

- Prerequisite : any Mathématiques 30S

Pre-Calculus Mathematics (Mathématiques pré-calcul) 40S

Students considering this course should have achieved a mark of 70% and above in Grade 11. This course may be a prerequisite for some post-secondary programs. The Pre-Calculus Mathematics 40S curriculum comprises primarily a high-level study of theoretical mathematics with an emphasis on problem solving and mental mathematics, supported by assignments and testing. Students are required to learn mathematical concepts through regular homework. Many questions on assignments, tests and examinations can be expected to challenge the students and to improve their problem-solving skills.

- Prerequisite: Mathématiques pré-calcul 30S

Languages

Français 10F/20F

This semester, this will be taught as a multi-level course. Below is an overview of the content for each grade level.

Français 10F

This course is designed to develop language proficiency in the students' second language. Students will study novels, songs, poems, newspaper articles and other forms of literature. Films and other video elements are included in the course. We will emphasize the improvement of oral fluency and the use of everyday vocabulary. Oral and written communication exercises will enable the students to enhance their vocabulary and acquire a better understanding of grammatical concepts.

Français 20F

The main objective of this course is to enable students to further develop and enhance language proficiency in their second language through the study of literary and nonliterary works. Students will learn to analyse, and critique various themes presented in class, and they will learn to present their ideas through written format and oral format. Students will be challenged and enabled to acquire a better understanding of the complexities of the French language, to broaden their vocabulary, and learn to appreciate another culture.

- Prerequisite: Français 10F

Spanish (Espagnol) 10F/20F

This semester, this will be taught as a multi-level course. Below is an overview of the content for each grade level.

Spanish (Espagnol) 10F

This course is your introduction to one of the most widely spoken languages in the world. It does not require prior experience at the grade 8 level. As early as possible, classes are conducted exclusively in Spanish. Various media and interactive websites are used in order to help develop listening and speaking.

Students are encouraged to speak the language as much as possible, and they will participate in short oral presentations in class. Learning useful vocabulary is more important than grammar at this level. Since this is a first-year course, an effort is made to use vocabulary which is common to both Spain and Hispanic America. Students may create cultural art projects with teachers and Spanish-speaking guests.

Spanish (Espagnol) 20F

There is a strong cultural component to the second-year course. Students will be given the opportunity to learn about the food, music, festivals, films and dance of Hispanic America. They will develop their speaking skills through group presentations, both in class and through video productions related to possible themes as trip planning, parts of the house and preparing a recipe in a cooking show. As always, there is more emphasis on listening and speaking than on reading and writing. There is some new grammar (especially verb tenses), but this grammar is taught in order to facilitate communication and never just for its own sake.

- There is no prerequisite to be enrolled in the 10S course. Students enrolled in the 20S course must have previously obtained a credit for the 10S course.

Science

Biology (Biologie) 30S

The Biology 30S course encompasses on one hand an introduction to the life sciences and on the other, an overview of human anatomy and physiology. The first part of the course includes the study of biological characteristics, a presentation of cell theory, and an introduction to biochemistry. The bulk of the course entails a relatively detailed study of the human body. The human systems are examined from an anatomical, physiological, and pathological viewpoint

- Prerequisite: Sciences de la nature 20F

Social Studies

History of Canada (Histoire du Canada) 30F

Prerequisite: Les Enjeux géographiques du 21e siècle 20F

The objective of this course is to study the historical development of Canada, beginning with the First Nations, followed by the influence of French and English colonization, and finally achieving nationhood and playing an independent role on the world stage in the 20th and 21st centuries. Local, national, and international events, as well as a large selection of important historical figures are also interwoven into the course.

Music

Technical Music Production (Technique de production musicale) 20S/30S

This course aims to provide students with the fundamentals of music composition and to gain music production experience in the recording arts through modern technology. The course will include an introduction to basic theory, chord progressions, harmonies, and song structure. Students will work with a variety of software to compose their own melodies and harmonies. Studio analog and digital recording formats will be introduced. MIDI technology, music composition software and digital recording software will be used in this class.

- Note: No musical or computer experience is required for the 20S course. This course is open to all students. Students seeking a credit at the 30S level must have previously obtained their credit for this course at the 20S level.

Information and Communication Technology

Applying Information & Communication Technology 1 and 2 (Application des technologies de l'information et de la communication 1 et 2) (15F)

The purpose of this course is to reinforce and extend knowledge of Information and Communications Technology obtained by students through the Early and Middle years. Using Microsoft Office 365 and Adobe Creative Cloud, students will learn the necessary skills to prepare them to use and collaborate with technology in efficient ways through their senior years' courses.

Coursework is divided into the following modules: introduction to computers, networks and the Internet, online etiquette and safety, cloud collaboration, keyboarding, word processing, graphic editing and animation, spreadsheets, HTML web page authoring, slideshow presentations, introductory coding and video editing.

Introduction to Technical Drawing (Introduction à dessin technique) 10G

This introductory course is intended for students wishing to sample architectural/engineering/interior drafting design. Curriculum content focuses on an exploration of design drafting, with an emphasis on exploring artistic and technical computer drawings using project-based activities. Students will be introduced to different 2D and 3D computer applications to produce drawings, plans, 3D models and renderings. Topics include introductions to the following:

- Freehand sketching
- Principles of design
- Drafting standards
- Computer modelling
- Architectural/engineering basics

Students taking this course will require a Windows or Mac computer. Chromebooks will not run the required applications for this course.

Description of Courses Exclusively for Students Enrolled in an English High School

French Communication and Culture 10F/20F

This semester, this will be taught as a multi-level course. Below is an overview of the content for each grade level.

French Communication and Culture 10F

As an extension of their learning in Grade 8, students will continue to focus on experiencing the French language and culture through a variety of mediums and opportunities. In class, they listen to French music, looking into the French culture in Quebec and Manitoba. By means of several oral, written and group presentations, students demonstrate their growth in their language skills.

Additional Information: Students will speak French during all activities and lessons. They will express their thoughts and ideas in a simple, coherent fashion.

French Communication and Culture 20F

Students will look at a variety of topics to improve their vocabulary, grammar and cultural awareness. Through studying weather, Canadian geography, mystery stories and personal identity, students have opportunities to express their thoughts in the past, present and future. By means of several oral, written and group presentations, students demonstrate their growth in their language skills.

Additional Information: Students will speak French during all activities and lessons. They will express their thoughts and ideas in a detailed, coherent fashion.

French Communication and Culture 30S/40S

This semester, this will be taught as a multi-level course. Below is an overview of the content for each grade level.

French Communication and Culture 30S

Students use their advanced language skills to consider the influence that technology has on their lives. The literature read in class focuses on French history and music. By means of several oral, written and group presentations, students demonstrate their growth in their language skills.

Additional Information: Students will speak French during all activities and lessons. They will express their thoughts and ideas in an enriched, coherent fashion.

French Communication and Culture 40S

Students use their advanced language skills to discuss French literature, poetry and music and look into the lives of several Francophones in today's popular culture. By means of several oral, written and group presentations, students demonstrate their growth in their language skills.