



**High School
Registration Guide
For
Students and Parents**

School Mission

As a unique school in Egypt, the mission of Heritage International School is distinctive. The school seeks to influence Egypt's future by producing graduates whose moral and intellectual excellence and consummate abilities will make them highly sought after for roles in shaping Egypt's place in the world.

At the same time they will be citizens of the world. They will have well-formed networks of friends and associates throughout the world and will also be conversant with Manitoba history, arts, and intellectual attainment, especially as found in the Canada. They will be poised and effective in their dealings with North America. While remaining Egyptian in their personalities and deepest loyalties, they will nevertheless have sensitivity to and appreciation for cultures, customs, and peoples that are very different from Egypt's.

The school asks much of its students and their families in terms of effort, time, and tuition. In return, it provides a place of deep commitment to learning, where the lifelong skills of understanding, personal and public expression, computation, problem solving, cooperation, and imagination are acquired, nurtured, and refined. The Manitoba native speaking faculty endeavours to teach a curriculum that meets Egyptian educational standards squarely while simultaneously engaging students in the exploratory, open thinking that is characteristic of Canadian pedagogy. While English is the school's official language of learning, it is helped along by the powerful tools that computers provide for accessing, organizing, and distributing information as part of learning.

To rear its students in this kind of school climate, where learning is paramount and understanding prized, so that they can emerge into a wide and challenging world and assert Egypt's leadership in the world is the mission of Heritage International School.

Code of Conduct

Heritage International School's "Code of Conduct" includes all members of the school community – students, staff members, parents and volunteers, whether they are on school property, on buses during an educational outing or at school-authorized events or activities. All members are to be treated with respect and dignity and are expected to use non-violent means to resolve conflict.

Included in the "Code of Conduct" are the **GOLDEN RULES**.

- Do be honest, kind, and helpful
- Do work hard and always try your best
- Do look after property
- Do listen to and respect other people
- Do follow adult instructions without arguing
- Do treat other people as you want them to treat you

Under the "Code of Conduct":

Administrators are responsible for:

- Setting-up and supervising the implementation of the "Code of Conduct"
- For establishing a hierarchy of consequences and clear steps for students sent to the office for disciplinary reasons

Teachers are responsible for:

- Instructing their students on the rules of acceptable behaviour
- Applying proper consequences when a student's behaviour is inappropriate

Students are responsible for:

- Their own actions
- The decisions they make
- Accepting the consequences of their actions

Parents are responsible for:

- Reviewing the rules of appropriate behaviour with their own child/children
- For supporting and cooperating with the school in applying consequences which result from inappropriate behaviour

Manitoba Secondary Schools

Grades 9 to 12

Graduation Requirements

Overview

Heritage International School follows the Manitoba government approved curriculum. Manitoba's senior years or high school programming is comprised of four years of study: Grades 9 to 12. Transition to the Senior Years requires students, along with their parents, to make important decisions which will affect paths or goals they may choose in the future. Course selection is one of these decisions.

The purpose of this document is to outline both the required and elective courses offered at Heritage International School.

Success of All Learners

The success of all learners is our first priority. Teachers are encouraged to use a variety of strategies to meet the wide range of student learning styles in their classrooms. In addition to reviewing the basic curriculum information provided here, you are also encouraged to discuss specific details about your child's programming, such as course selection, textbooks and other learning resources with the subject area teachers and guidance counsellor.

The Manitoba Education website is a valuable source of information for parents and students. The link for the curriculum in each subject area can also be reached through this web address <http://www.edu.gov.mb.ca>

Graduation Requirements

To graduate with a Manitoba diploma, students must obtain a minimum of 30 credits over four years, **17 compulsory credits and 13 elective credits**. Students at Heritage International School with Arabic Speaking Nationalities must also satisfy the Egyptian Ministry of Education requirements to pass the Arabic fluency exams before graduation. *(Students with passports from Non-Arabic Speaking Nationalities are exempt from this requirement.)* **This means that students required to take Arabic will have a total of 21 compulsory credits and 9 elective credits.**

Egyptian Nationals are also required to take Religion every year, Egyptian Social Studies in grade 9 and 10, and Civics in grade 12. These are not included in the total credit count for graduation requirements.

Credit System

The Senior Years (Grades 9 - 12) credit system provides flexibility to enable students to pursue Senior Years courses best suited to their individual requirements and aspirations. A student may earn *one credit* by undertaking and successfully completing a course of study designed for a minimum of 110 hours of instruction. *Half credits* (courses designed for a minimum of 55 hours of instruction) may be earned in like manner. There are two categories of credits: Compulsory and Optional.

Credits

A credit (1 credit) is granted when a course that has been scheduled for a minimum of 110 hours is successfully completed. A half credit (1/2 credit) is granted when a course that has been scheduled for a minimum of 55 hours is successfully completed.

Awarding Credits for Transfer Students

Students transferring to Heritage International School in Grade 10 or 11 are required to bring the reports from their previous school(s) so that "Non-Manitoba Ed Compulsory and Optional Courses" can be granted by the principal in the subjects they have successfully completed. Please note that we cannot accept students entering Grade 12.

Courses

Courses are available in many subject areas in Manitoba Secondary Schools. Within a subject area, students can further specialize in their studies, depending on their interests and university requirements.

Course Outlines

The outline for each course of study in the secondary schools is available in the Principal's office and will be provided, upon request. Each teacher also has a copy of the course outlines for each of his/her subjects taught. The teachers are to present these course outlines, to students, as they begin their course each school year.

Understanding Course Codes and Descriptions

Ex. Art and Design (0116 Visual Arts 20F)

The first name written (Art and Design) is the course name which will be found on the report cards, credit check lists, and will match the names of the courses for entrance requirements for Universities in Egypt. The descriptor in brackets matches the Official Transcripts issued by Manitoba Education upon successful completion of the Manitoba High School Diploma. The names for the courses match the names of the courses for entrance requirements for Universities outside of Egypt.

Please note the number preceding the name in brackets (0116) is a number that indicates the Manitoba Education Course Code.

A description of what the numbers and letter following the name in brackets mean, is below.

Ex. (20 F)

The first digit indicates the grade level; the second digit indicates the credit hour and development:

First Character Ex. 2	Second Character Ex. 0
1 = Courses Developed for Grade 9	0 = Developed by Manitoba Education for 1 credit
2 = Courses Developed for Grade 10	5 = Developed by Manitoba Education for 1/2 credit
3 = Courses Developed for Grade 11	1 = Developed by Schools or School Divisions
4 = Courses Developed for Grade 12	2 = Externally developed by an educational authority

The letter indicates the type of course

F - Foundation

G - General

S - Specialized

Course Designations

Foundation (F): Educational experiences which are broadly based and appropriate for all students and which may lead to further studies beyond the Senior Years (e.g. apprenticeship, college, and university).

General (G): General educational experiences for all students. All School-Initiated Courses (SICs) and Student-Initiated Projects (SIPs) remain as G designations.

Specialized (S): Educational experiences in specialized areas leading to further studies beyond the Senior Years (e.g., apprenticeship, college, and university).

Course Levels

Grade 9: All subject area curricula will be developed as foundation courses. Some technology education curricula may be developed as specialized courses. The Foundation (F) course designation will replace the General (G) course designation as new curricula comes into effect.

Grade 10: As new curricula are introduced, all subject area curricula, except vocational industrial, science, and mathematics, will be developed as Foundation (F) courses. Some curricula for technology education, science, and mathematics may be developed as Specialized (S) courses.

Grade 11: As new curricula are introduced, a variety of subject area curricula will be developed for different purposes, including a range of Foundation (F) and Specialized (S) courses.

Grade 12: As new curricula are introduced, a variety of subject area curricula will be developed for different purposes, including a range of Foundation (F), and Specialized (S) courses. Currently, curricula are developed for General (G) and Specialized (S) courses.

Careful attention should be given to these:

Prerequisite: A course which the Ministry of Education has designed as a requirement to be completed prior to undertaking a course.

Co-requisite: A course which must be studied at the same time as another course.

Credit Breakdown

Course	Graduation Requirements	
	Arabic Speaking Nationalities	Non-Arabic Speaking Nationalities
English	4	4
Mathematics	4	4
Science	2	2
Social Studies	3	3
Physical Education/Health Education	4	4
Arabic	4	N/A
Electives	9	13
Total	30	30

Elective Courses for Senior Years

To graduate, in addition to the compulsory courses, students are required to choose a minimum of 9 elective courses for credit based on their interests and plans for post-secondary study. Students that are not required to take the compulsory Arabic courses need a minimum of 13 elective courses (1 additional elective per year). **Elective credit courses may vary from year to year depending on enrollment.**

Grade	Possible Elective Courses	Elective Graduation Requirements	
		Arabic Speaking Nationalities	Non-Arabic Speaking Nationalities
Grade 9	Arabic, Art and Design, Business, Drama, French, Computers	2	3
Grade 10	Arabic, Art and Design, Business, Drama, French, Computers	2	3
Grade 11	Arabic, Art and Design, Business, Drama, English Transactional, French, Computers, The Sciences (Biology, Chemistry, Physics), Accounting	3	4
Grade 12	Arabic, Art and Design, Business, Drama, Economics, English Transactional, French, Computers, Advanced Mathematics, Psychology, The Sciences (Biology, Chemistry, Physics), Global Studies	2	3
Total		9	13

Grading

Individual Secondary School Class grades are based on the following Scale:

Achievement of Curriculum Expectations Related to Grades

- | | |
|----------|--|
| 80 – 100 | Student has consistently demonstrated the expected knowledge, understanding and application of skills. Achievement exceeds the ministry standard. (Level 4) |
| 70 – 79 | Student has usually demonstrated the expected knowledge, understanding and application of skills. Achievement meets the ministry standard. (Level 3) |
| 60 – 69 | Student has demonstrated some of the expected knowledge, understanding and application of skills. Achievement approaches the ministry standard. (Level 2) |
| 50 – 59 | Student has demonstrated some of the expected knowledge, understanding and application of skills in limited ways. Achievement falls much below the ministry standard. (Level 1) Students completing courses at this level in the senior years will have difficulty obtaining acceptance in Universities. |
| Below 50 | The student has not demonstrated the required knowledge and skills. Credit in the course is not achieved. |

Student Selection of Courses

1. Informational meetings will be held for Grade 8, 9, 10 and 11 students to explain the four year plan, compulsory courses and the choice of electives. The "Elective Request" form will be collected after that meeting.
2. Based on teacher approval and student interest, counsellors will assist students in making appropriate choices on the *course request sheet*.
3. The student and parent will review and sign the completed *course request sheet*.
4. If the *course request sheet* is incomplete or is not returned the student will not be "registered" for courses and will be last to be placed and may not get his/her desired electives.
5. Final student class schedules will be generated in August.
6. Changes in Electives must be made within the first five school days of the academic year providing there are vacancies in other courses. **COURSE CHANGES ARE NOT GUAREENTEED.**
7. Prerequisites which accompany some courses are intended to aid in course selection. Prerequisites are indicative of the background needed to properly understand the concepts and their applications as presented in the course.
8. Students in grade 9 through 12 are expected to be fully scheduled with 8 credits per year at Heritage International School.
9. The Elective Request Form (*separate form*) should be completed, signed by the parent and returned to the homeroom teacher by the given timeframe.

Failing scores in the compulsory courses means a credit was not earned, and will have to be retaken. Students failing compulsory courses are required to meet with the Principal or Vice Principal or Guidance Counsellor in late August or early September to make arrangements to take these courses again.

Students failing in one or more elective course do not have to re-do the course. However, in the four years of high school they must achieve 30 credits to graduate.

Please Note: The following page contains a chart to mark the courses that have been selected and completed. Please remove the sheet from the booklet and use it to track your High School Credit progress.

Individual Student Course Profile

Compulsory Courses: (Necessary for Provincial High School Diploma)

Grade 9		Grade 10		Grade 11		Grade 12	
Course	Mark	Course	Mark	Course	Mark	Course	Mark
ELA		ELA		ELA		ELA	
Math		Math		Math		Math	
Phys. Ed.		Phys. Ed.		Phys. Ed.		Phys. Ed.	
S.S.		Geography		History			
Science		Science					

Please Note: Arabic is a required course for many students.

Elective Courses

Grade 9		Grade 10		Grade 11		Grade 12	
Course	Mark	Course	Mark	Course	Mark	Course	Mark
Grade 9 Total Credits		Grade 10 Total Credits		Grade 11 Total Credits		Grade 12 Total Credits	

Total Credits: _____

Minimum of **30** Credits Required for Graduation1 course is equal to 1 credit.

Senior Years Courses

The following courses are listed by department in alphabetical order.

Arabic (9001)

Course Description:

All Egyptian students must study and pass the Arabic course as required by the Egyptian Ministry of Education.

In grades 9, 10, 11, and 12 students study a variety of subjects such as poetry, comprehension, grammar, and literature.

Foreign students have the choice of taking this Arabic course. If they do not have an Arabic language background, they can take a beginner Arabic course called 'Arabic as an Additional Language (A.A.L). This course enables foreign students to communicate in simple Arabic. They will also have the ability to read outdoor and traffic signs.

<u>Grade</u>	<u>Egyptian Ministry - Course name</u>	<u>Arabic as an Additional Language - Course name</u>
Grade 9	AR 11G	AR 12G
Grade 10	AR 21G	AR 22G
Grade 11	AR 31G	AR 32G
Grade 12	AR 41G	AR 42G

For further information on the Arabic curriculum please call the Arabic department at Heritage International School or visit <http://manahg.moe.gov.eg>

Arts

Please Note: There is limited availability in the Grade 9 to 12 Art and Design courses. Preference will be given to students interested in the Arts at University and who complete an art portfolio.

Grade 9

1 Credit

Art and Design (0116 Visual Arts 10F)

Prerequisite: None

This course is organized around the study of the visual elements of line, value, colour, shape, form, texture, and space. Mediums, such as pencil, chalk and oil pastels, charcoal, ink, clay, coloured pencil crayons, acrylic paint, print making, plaster sculpture, scratchboard and copper tooling are used and Art history is studied through project work. Subject matter includes a cultural study, community, still life as well as a focus on “the self” in art. Each project contains a research component, preliminary studies, a final piece, self-reflection and journaling. There is also a sketchbook component to the course. Students are required to complete bi-weekly sketchbook assignments with a focus on the elements and principles of design.

Grade 10

1 Credit

Art and Design (0116 Visual Arts 20F)

Prerequisite: None

This course covers the various content areas, such as art basics: elements and principles of art with a focus on the principles (unity, balance, rhythm, repetition, contrast) creative thinking processes, a cultural study, still life, different forms of art throughout time, sculpture making, and “art as a message”. Art history is studied through project work. Mediums, such as pencil, chalk and oil pastels, charcoal, ink, clay, coloured pencil crayons, acrylic paint, print making, scratchboard, plaster mask making and copper tooling will be used in a skillful manner. Each project contains a research component, preliminary studies, a final piece, self-reflection and journaling. There is also a sketchbook component to the course. Students are required to complete bi-weekly sketchbook assignments with a focus on the elements and principles of design.

Grade 11

1 Credit

Art and Design (0116 Visual Arts 30S)

Prerequisite: None

This course is based on topical units such as aboriginal and cultural studies, art as a social commentary, and art as a reflection of the self. Within each unit, students develop problem-solving skills as they research and use various media and tools appropriate to their explorations. Some possibilities for media explored are pencil, chalk and oil pastels, charcoal, ink, clay, coloured pencil crayons, acrylic paint, print making, plaster sculpture, scratchboard and copper tooling. These mediums are expected to be used in a very skillful manner to convey the artist's message. Each project contains a research component, preliminary studies, a final piece, self-reflection and journaling. If students are choosing a particular area of study, they are expected to complete the necessary research for their medium and message. There is also a sketchbook component to the course. Students are required to complete bi-weekly sketchbook assignments with a focus on skill building drawing assignments. Students are required to participate in class discussions and critiques surrounding their work and the work of others. Students are required to keep up with their sketching, research, and experimentation independently and regularly.

Grade 12

1 Credit

Art and Design (0116 Visual Arts 40S)

Prerequisite: None

This course is offered and recommended for those students who have a better than average interest and ability in Art. Students selecting this course are required to work much more independently and preface all work with written proposals as outlined by the Manitoba Senior High Art Curriculum. Each project contains a research component, preliminary studies, a final piece, self-reflection and journaling. If students are choosing a particular area of study, they are expected to complete the necessary research for their medium and message. This work will be based on written student's proposals. Students may choose the medium that suits their projects however, these mediums are expected to be used in a very skillful/gallery worthy manner to convey the artist's message. There is also a sketchbook component to the course. Students are required to submit their sketchbook on a bi-weekly basis. Students are expected to participate in class discussion and critiques surrounding their work and the work of others.

Business

Grade 9

1 Credit

Business (1224 Futures in Business 15G and 1225 Start Your Own Business 25G)

Prerequisite: None

This course is an opportunity to learn about the exciting world of business and how you can become part of it. Students will study the futures in business, planning, the world of work, business skills, job opportunities, business organization, entrepreneurship, and business opportunities. In the second part of the course the students will further their develop knowledge and skills that will help them to plan and start a small business. Topics covered include introduction to business, forms of business ownership, the marketing environment, developing the product or service, financial planning or analysis and managing and protecting your business.

Grade 10

1 Credit

Business (1273 Retailing 20S)

Prerequisite: None

Business Retailing provides students the opportunity to become familiar with the skills required for job entry in the retail and service industries and focuses on strategies and issues that owners, managers and employees will be faced with. Students will be exposed to many retail concepts such as handling sales transactions, ordering and receiving merchandise, market analysis, selling techniques, customer buying behaviour, store design, international retailing, financial and buying strategies, and store policies and procedures.

Grade 11

1 Credit

Business (1265 Promotions 30S)

Prerequisite: None

In this course students will learn about the many different ways a business can promote a product or service as well as strategies on how to develop effective promotional materials. Topics include introduction to promotions, developing promotional strategies, layout and design, advertising, direct marketing, psychology behind marketing, and personal selling, publicity and public relations, and sales promotions.

Accounting (0200 Accounting Principles 30S)

Prerequisite: None

In this course students will be introduced to the standard principles and concepts that govern the practice of accounting. Students will develop the ability to understand and use accounting information effectively. This course explores accounting by using computer applications. Topics include introduction to accounting principles, income statements, journals and ledgers, worksheets, cash control, merchandising in business, payroll and income tax.

Grade 12

1 Credit

Business (1251 Management 40S)

Prerequisite: None

Business Management is designed to reflect change in economic and business environments and to develop students' analytical, problem solving, and communication skills through an understanding of how companies operate and are managed from both employer and employee perspectives. The course focuses on active, experiential learning and on developing knowledge, skills, and attitudes required to identify opportunities and meet the challenges of the business environment. Topics include "The Management Environment", "Managing Business", "Managing Change", and "Independent Research".

Grade 12

1 Credit

Economics (0360 Economics 40S)

Prerequisite: None

This course provides students with opportunities to analyze the effects of economic activity on their society, the nation, and the global community, and it gives them a deeper understanding of the principles behind government and social policies. Students will study the principles underlying the exchange of goods and services for value both within the market system and in non-market-orientated sectors. The aim of Economics is to provide students with a framework from which they can increase their understanding of economic principles, gain knowledge of the structure and operation of the global economic system, and gain competencies required to study economics successfully at the postsecondary level.

Drama

Grade 9

1 Credit

Drama (0114 Drama 10F)

Prerequisite: None

This introductory course aims to develop student awareness of the following drama elements: movement, sound, voice, design and processes relaxation/preparation, concentration, imagination, listening, observation, characterization. Students will create original pieces and work with existing scripts. Emphasis will be on the drama experience with the focus on Mask work and Reader's Theatre.

Grade 10

1 Credit

Drama (0114 Drama 20F)

Prerequisite: None

This course will emphasize Theatre as a whole. Students will develop their acting skills and also learn about all the off stage roles in theatre and how they work together to create a production. Students will also work on stage presence, memorization techniques, and creating polished performance pieces.

Grade 11

1 Credit

Drama (0114 Drama 30S)

Prerequisite: None

This course emphasizes participation in drama. It will include oral interpretation, acting (improvisation, monologues, and plays) and scene analysis. Script writing for the stage or film will be explored. Students will be expected to keep a journal. Students will be exposed to a variety of works from different periods in Theatre History and will also learn about some of the major periods of Theatre History.

Grade 12

1 Credit

Drama (0114 Drama 40S)

Please Note – On the Official Heritage Transcript for Universities in Egypt this course will be listed as English Language.

Prerequisite: None

This course emphasizes leadership in drama. It will include oral interpretation, acting (improvisation, monologues, and plays) stagecraft (set design and construction, lighting, sound, makeup, costume styles) and play writing is explored and practiced. Students will be expected to keep personal response journals. Students will be exposed to various types of theatre from different cultures and periods in Theatre History to further their knowledge of the development of Theatre.

English Language Arts

Compulsory
<ul style="list-style-type: none">• English (10F)• English (20F)• English Literature (ELA: Comprehensive Focus 30S)• English Literature (ELA: Comprehensive Focus 40S)

Course Description:

Through the study of English students learn to understand, appreciate, and use language in everyday life. The Manitoba English curriculum has 6 strands by which students learn to listen, speak, read, write, view, and represent at different times and in different ways. Students learn to read and produce a wide range of texts, including media, transactional, and literary texts. To assist them in these learning experiences, teachers and students choose and use appropriate learning resources, including, for example, novels, plays, essays, film, and poetry.

Details of the English curriculum including the learning outcomes can be viewed at <http://www.edu.gov.mb.ca/k12/cur/ela>

Grade 9

1 Credit

English (0001 English Language Arts 10F)

Prerequisite: Successful completion of Grade 8 English

This is an integrated, theme-based course designed to provide students with a solid foundation of literacy skills, knowledge and learning strategies. The course emphasizes reading comprehension, personal and critical response and interpretation of a variety of text forms. Students also learn to collect, organize and synthesize information through research and inquiry processes. In the course, students express their ideas using the six English language arts of reading, writing, listening, speaking, viewing and representing. Particular emphasis is placed on written communication, including exploration, examination, and analysis of the structure of sentences, paragraphs, essays, and longer fiction and non-fiction text. Students will also be taught grammatical structures and standards for the English Language.

Grade 10

1 Credit

English (0001 English Language Arts 20F)

Prerequisite: English (10F)

This is a foundation course and develops literacy skills, knowledge and learning strategies begun in Senior 1 English (10F). The course has a balance of listening, speaking, reading, and writing, viewing and representing activities. It continues to emphasize reading comprehension, personal and critical response and interpretation of various text forms: text forms include short prose, poetry, novels and Shakespearean plays, as well as works of non-fiction such as biographies, essays and journals. Students continue learning to collect, organize and synthesize information through research and inquiry processes. Written communication skills continue to be a focus in Senior 2 English (20F). Students will create various texts to demonstrate their ability to address specific audiences, for a specific context and purpose and look at various media communications both in print and online.

Grade 11

1 Credit

English Literature (0092 ELA: Comprehensive Focus 30S)

Prerequisite: English (20F)

This course includes a balance of both literary and transactional texts that address both aesthetic and pragmatic purposes. Students will read and respond to transactional or non-fiction texts that are used for practical, everyday purposes while the literary are used for aesthetic, expressive and creative purposes. The study forms include business letters, magazine features, essays, newspaper articles, novels, plays, movies, short stories and poetry. Students will continue to refine their listening, speaking, reading, writing, viewing, and representation skills. Skilful written communication is a focus and students will be expected to demonstrate proficiency with popular and academic standards of English.

Grade 12

1 Credit

English Literature (0092 ELA: Comprehensive Focus 40S)

Prerequisite: English (30S)

This course is a balance of both literary and transactional texts that address both aesthetic and pragmatic purposes. This course encourages students to acquire language and literacy skills through listening, speaking, viewing, representing, reading, and writing. Students are required to use these skills to explore ideas, comprehend language and communication, manage information, enhance the artistry of their communication, and build community. English Literature focuses on the use of language for both practical and creative purposes. It provides students with multiple opportunities to engage with a variety of texts produced by others and by themselves. The resources explored in this course can be pragmatic, practical, aesthetic, or literary. The study forms include business forms, magazines, essays, newspaper articles, novels, plays, movies, short stories, and poetry.

French

Grade 9

1 Credit

French (0403 French: 9 Year Course 10G)

Prerequisite: Previously studied French to Grade 8

This course will allow students to acquire and develop basic French language skills with a focus on reading and writing. Each unit is based on real interaction by drawing on the experience and knowledge of students. The learning acquired serves to support students' interest and confidence, while providing the groundwork for advanced study in later years.

Grade 10

1 Credit

French (0403 French: 9 Year Course 20G)

Prerequisite: Recommended average of 60% or better in French (10G)

This course offers students the opportunity to continue learning the French language in a stimulating environment. Through participating in a variety of activities, students further their listening, speaking, reading and writing skills. Students progress towards a broad basic knowledge of the French language and the cultures of the people who speak it.

Grade 11

1 Credit

French (0403 French: 9 Year Course 30S)

Prerequisite: Recommended average of 60% or better in French (20G)

This course is a continuation of French (20G). Through a variety of activities students will develop their listening, speaking, reading and writing skills to a more advanced level of communication. Aspects of French culture will continue to be explored.

Grade 12

1 Credit

French (0403 French: 9 Year Course 40 S)

Prerequisite: Recommended average of 60% or better in French (30S)

Students will continue to explore French culture and history through various activities while acquiring the skills necessary to communicate at an advanced level of French. This course also prepares students to continue the study of French at the university level.

Computers

Course Description

The emphasis of the Computer [(Information and Communication Technology) (ICT)] courses is on students learning to solve problems, accomplish tasks, and express creativity, both individually and collaboratively. Students will learn to use today's technology for tasks at school and in their personal lives. For more information, please visit <http://www.edu.gov.mb.ca/k12/cur/ict/index.html>

Grade 9

1 Credit

Computers (0217/0218 Applying Info & Communication Tech 1 and 2 15F / 15F)

Prerequisite: None

The purpose of this course is to reinforce and extend the ICT knowledge, attitudes, and skills students will have acquired in the Early and Middle years. This course will further prepare students to use ICT to learn and demonstrate their learning all Senior Years courses. The emphasis of ICT courses is on students learning to solve problems, complete tasks, while expressing creativity, both individually and collaboratively. Students will learn to use technology to enhance assignments at school and in their personal lives. More significantly students will learn to adapt to change and learn independently and use technology as it evolves throughout their lives. Students must become independent learners if they are to maintain their skills and understanding of ICT. Technology is constantly evolving, students are expected to learn new information and adapt to changes. This course aims to ensure that students become lifelong learners, and it is essential that they become engaged in planning, developing and assessing their own learning experiences.

Grade 10

1 Credit

Computers (0230 Digital Film Making 25S and 0226 Digital Pictures 25S)

Prerequisite: None

The purpose of this course is to focus on two areas of study. Students will learn the principles of Digital Photography. This will include the history of photography, composition, and Photoshop. In the second half of the course we will focus on Digital Video. This will include the history of film making, pre-production planning, production and post-production techniques. The emphasis of Digital Photography/ Digital Video courses is on students acquiring the skills and knowledge to convey message through an original digital image; and to combine sound, still images, moving images, text, graphics, and animation in the production of a video. More significantly students will learn to plan, develop and produce an image, or video, that represents their perspective. Students should be able to define the purpose and audience for an image or film; conceive of, and create an image or film that communicates a message; capture images or film and edit them; and select graphics/video that effectively communicates a message.

Grade 11

1 Credit

Computers (0223 Desktop Publishing 35S and 0222 Print Communications 25S)

Prerequisite: None

The purpose of this course is to focus on two areas of study. Students will learn to skills and knowledge to plan and create documents for personal and business communications. This will include conforming to recognized standards for print documents, participating in multi-user document editing, using appropriate language and tone in communication and incorporating elements of good design in documents. In the second half of the course we will focus on systems to plan and create print documents. This will include defining the purpose and audience for documents, elements of good design, critiquing and suggesting improvements for published documents and accepting critique of a print document and making changes based on that feedback.

Mathematics

Compulsory	Elective
<ul style="list-style-type: none">• Mathematics (10F)• Mathematics [Introduction to Applied and Pre-Calculus Math (20S) and/or Essential Mathematics (20S)]• Mathematics [Pre-Calculus Mathematics (30S) and/or Essential Mathematics (30S)]• Mathematics [Pre-Calculus Mathematics (40S) and/or Essential Mathematics (40S)]	<ul style="list-style-type: none">• Advanced Mathematics [Advanced Mathematics 45S and Introduction to Calculus 45S]

Please Note: If you take two Mathematics courses at the Grade 10, 11 or 12 level, one course will be the compulsory Mathematics Credit and one will be an elective.

Please Note: Essentials Mathematics does not meet the Mathematics Requirement for the Facilities of Engineering, Medicine, and Computer Sciences.

Please Note: Students who want to enter the Faculty of Engineering must take Advanced Mathematics (45S/45S).

Course Description

The Senior Years mathematics curricula emphasize important interrelated processes, including communication, connections, estimation and mental mathematics, problem solving, reasoning, and visualization.

Grade 9

1 Credit

Mathematics (0080 Mathematics 10F)

Prerequisite: Successful completion of Grade 8 Mathematics

The curriculum is designed to support and promote the understanding that mathematics is a way of learning about our world, part of our daily lives, both quantitative and geometric in nature, with both aspects being equally important in the development of mathematical literacy. In addition, mathematics and its study encourages the development of creative thinking, logical thinking, problem-solving skills, data analysis skills and co-operative interaction. The Grade 9 curriculum reflects a broad view of Senior Years mathematics, surveying topics including statistics, polynomials, beginning algebra, powers and exponents, probability, spatial/transformational geometry, linear relations and trigonometry.

Grade 10

1 Credit

Mathematics (3905 Intro. to Applied and Pre-Calculus Mathematics 20S)

Prerequisite: Mathematics Grade 9 with a recommended mark of 67% or higher.

This program gives students an introduction to both Applied and Pre-Calculus Mathematics. Pre-Calculus Mathematics prepares students for Calculus and majors in Science. Applied Mathematics prepares students for entering sciences, or the high-tech world of work. Graphing calculators and/or computers are used for mathematical experimentation, modeling, and problem-solving as students work with non-routine problems and projects. The Grade 10 course combines the two types of Mathematics to give students an introduction to both areas of study.

Grade 10

1 Credit

Mathematics (3000 Essential Mathematics 20S)

Prerequisite: None

In Essential Mathematics 1 and 2 students will acquire skills in problem analysis, analysis of games and numbers, wages and salaries, spreadsheet use, trigonometry, spatial geometry, consumer decisions, personal banking, and probability and sampling. They will also work on geometry projects.

Grade 11

1 Credit

Mathematics (3939 Pre-Calculus Mathematics 30S)

Prerequisite: Intro. to Applied and Pre-Calculus Mathematics 20S with a recommended mark of 70% or higher

This course is designed to prepare students for calculus and sciences at university and college levels. The course is comprised primarily of a high level of theoretical mathematics with an emphasis on problem solving and mental math supported by cumulative exercises and testing. Topics covered include quadratic functions, equations, circles and polygons, systems of equations, polynomial and rational functions, logic, trigonometry, and graphs.

Grade 11

1 Credit

Mathematics (3000 Essential Mathematics 30S)

Prerequisite: None

In Essential Mathematics 3 and 4 students will acquire skills in problem analysis, analysis of games and numbers, relations and formulas, income and debt, data analysis and interpretation, measurement technology, owning and operating a vehicle, personal income tax, and applications of probability.

Grade 12

1 Credit

Mathematics (3939 Pre-Calculus Mathematics 40S)

Prerequisite: Pre-Calculus Mathematics 30S with a recommended mark of 70% or higher.

The course is designed to prepare students for calculus and sciences in college and university. Topics include circular functions, transformation, trigonometric identities, logarithms and exponents, permutations and combinations, binomial theorem, probability, and conics.

Grade 12

1 Credit

Mathematics (3000 Essential Mathematics 40S)

Prerequisite: None

In Essential Mathematics 5 and 6 students will acquire skills in problem analysis, analysis of games and numbers, personal finance, design and measurement, government finances, statistics, investigative project, career/life project, investments, income tax, and variation and formulas. Students will also complete a portfolio.

Grade 12

1 Credit

Advanced Mathematics (3900 Advanced Mathematics 45S and 3940 Introduction to Calculus 45S)

Prerequisite: Pre-Calculus Mathematics 40S with a recommended mark of 70% or higher.

This course is intended for students with an excellent aptitude in mathematics that are interested in further math studies at the post-secondary level. The topics are designed to expand the student's math experience and enable them to adapt more readily to university courses. It stresses the development of skills in understanding the properties of functions and their role in many different areas of mathematics. The major emphasis is in the area of applications with regard to curve sketching, area under the curve and problem solving. It is designed to provide students with a solid background necessary to further explore calculus courses at the university level. Topics include limits, derivatives of functions, applications of derivatives and integration.

Physical Education

Course Description

The combined physical education and health education curriculum develops the knowledge, skills, and attitudes for maintaining physically active and healthy lifestyles. The curriculum focuses on making healthy decisions related to physical activity participation, healthy eating, and injury prevention.

Grade 9

1 Credit

Physical Education (0169 Physical Education / Health Education 10F)

Prerequisite: Successful completion of Grade 8 Physical Education

The curriculum focuses on providing students with the necessary knowledge to assist them in making appropriate decisions regarding the health issues facing youth today. It encourages schools to involve parents in planning for implementation of content that might be sensitive in some communities.

The following are the content highlights outlined according to general learning outcomes:

- Movement
- Fitness Management
- Safety, Personal and Social Management
- Healthy Lifestyle Practices.

Note: In Grade 9, the health topics that contain potentially sensitive content are personal safety, substance use and abuse prevention and human sexuality. Prior to teaching the content, schools are expected to communicate appropriate information to parents including a parental option form.

Grade 10

1 Credit

Physical Education (0169 Physical Education / Health Education 20F)

Prerequisite: Successful completion of Physical Education (10F)

This course is designed to help students develop and participate in a purposeful, physically active lifestyle which will enable them to experience a more enjoyable quality of life. Health issues are approached from the perspective of enhancing well-being and quality of life. The goal is to reduce health risks and prevent health problems. Students must complete all activity units in a term to receive their credit.

Grade 11

1 Credit

Physical Education (0169 Physical Education / Health Education 30F)

Prerequisite: Successful completion of Physical Education (20F)

This course is designed to help youth take greater ownership of their own physical fitness, promote the discovery of activities suited to their own individual interests and encourage active lifestyles that persist into their futures. In-school topics and activities will make up 75% of the course content.

Grade 12

1 Credit

Physical Education (0169 Physical Education / Health Education 40F)

Prerequisite: Successful completion of Physical Education (30F)

This course is designed to help youth take greater ownership of their own physical fitness, promote the discovery of activities suited to their own individual interests, and encourage active lifestyles that persist into their futures.

Students will study topics related to fitness management, nutrition, social/emotional health, and personal development.

Psychology

Grade 12

1 Credit

Psychology (1010 Psychology 40S)

Prerequisite: None

Psychology is the scientific study of behaviour and mental processes. It uses the scientific method to discover ways of understanding the complexities of human thought and behaviour, as well as differences amongst people. Studying psychology gives students lifelong skills such as dealing with issues proactively, problem solving, learning, and nurturing healthy relationships. It helps students understand themselves, and deal with issues in their own lives such as inner conflicts, and relationships with parents and peers. It also helps students understand societal problems like drug dependency, aggression, and discrimination. This course exposes students to the major topics found in the field of psychology. Topics in psychology may include learning and cognitive processes, personality and individuality, development over the lifespan, the working of the mind and body, social psychology, approaches to psychology and psychological disorders and therapy.

Science

Compulsory	Elective
<ul style="list-style-type: none">• Science (10F)• Science (20F)	<ul style="list-style-type: none">• Biology (30S), Chemistry (30S), Physics (30S)• Biology (40S), Chemistry (40S), Physics (40S)

Please Note: All students must take a minimum of 1 science course at the Grade 11 and 12 level.

Please Note: Students who are interested in pursuing science at a university level are strongly advised to take all 3 science courses offered at the Grade 11 and 12 level.

Please Note: Physics and Chemistry must be taken for students interested in going into the Faculty of Engineering.

Course Description

In the senior year's science classroom, students are actively engaged in "doing" science and developing related skills and attitudes, as well as extending their understanding of science concepts. In addition, they make links between science and daily life, and learn to appreciate both the power and limitations of science as a way of understanding their world.

Grade 9

1 Credit

Science (0120 Science 10F)

Prerequisite: Successful completion of Grade 8 Science

The topic areas in Grade 9 lay a foundation for the study of science in the different areas of scientific study and also serve as contexts for students to develop skills, attitudes, and understanding about the nature of science through experiments, making decisions based on scientific evidence, investigating the impact of science and technology on society and the environment and the importance of maintaining a balance and develop an appreciation of the contributions of people of various cultures to the development of science and technology. Topics in this course include human reproduction and genetics, atoms and elements an introduction to the basics of chemistry, an exploration of the universe and the study of space, science, and technology and the nature of electricity.

Grade 10

1 Credit

Science (0120 Science 20F)

Prerequisite: Successful completion of Science (10F)

This course is a pre-requisite for all of the Grade 11 science courses. This course has topics in the areas of biology, chemistry, physics and earth science. The broad areas of investigation in this course are dynamics of ecosystems, chemistry in action, motion and weather dynamics. In the various topics students will examine the relationships of ecosystems, study chemical reactions, nomenclature basics, principles of acid-base chemistry and the effects of chemical use in the environment, basic kinematics, concepts of inertia, force, impulse, momentum, relationships that influence weather and the impact of human activities on our global climate.

Grade 11

1 Credit

Biology (0124 Biology 30S)

Prerequisite: Successful completion of Science (20F)

This is a course for students with strong study and communication skills. A comprehensive introduction to human biology is presented. Students will study the human body with respect to homeostasis, digestion and nutrition, the respiratory system, excretion and waste management and the immune and nervous systems. They will also look at how technology has affected the wellness of the human body and the resulting social issues.

Grade 11

1 Credit

Chemistry (0122 Chemistry 30S)

Prerequisite:

- Pre-Calculus Mathematics 20S is recommended
- Science (20F) with a recommended mark of 70% or higher mark

This is a course for students with strong math and study skills. The course consists of many “hands on” labs and theory. Mathematics (20F) is recommended. Students will study phase changes including the concepts of heat capacity, specific heat and heat of fusion and vaporization using the kinetic molecular theory; physical characteristics of gases, gas laws, stoichiometry, solutions and their physical characteristics; organic chemistry including IUPAC nomenclature. Included in their studies will be a look at how chemistry has affected our quality of life.

Grade 11

1 Credit

Physics (0123 Physics 30S)

Prerequisite:

- Enrolled in Pre-Calculus Mathematics 30S with a recommended mark of 70% or higher mark from Intro. to Applied and Pre-Calculus Mathematics 20S
- Science (20F) with a recommended mark of 70% or higher mark

This course is for students with a strong mathematical background. It is an introductory course exploring a variety of laws and formulas. Only students enrolled in Mathematics (30S) should attempt this course.

This course is divided into four major and interrelated areas. Students will study Waves which is the study of the physical characteristics of waves, superposition of waves and wave interference. The Nature of Light which includes light being looked at in terms of its wave and particle characteristics. Mechanics which is a continuation of the study of kinematics from Science (20F) and Fields which addresses the concept of fields with respect to gravitational, magnetic, electric and electromagnetic fields. Included in the student's studies will be a look at how the relationship between physics and technology has influenced our quality of life.

Grade 12

1 Credit

Biology (0124 Biology 30S)

Prerequisite: Biology (30S) is recommended.

The course exposes students to the foundation concepts regarding the biology of the world around us through the study of the diversity of life. Students are expected to integrate information gained in previous units and apply that information throughout the course. Topics include ecology, biological diversity, and genetics. Specific emphasis will be placed on the use of biotechnology including genetically modified food, forensics, recombinant DNA technology, human genome project and gene therapy. This course is for students who will be preparing to pursue biology in post-secondary settings.

Grade 12

1 Credit

Chemistry (0122 Chemistry 40S)

Prerequisite:

- Chemistry (30S)
- Pre-Calculus Mathematics is recommended

This is for students with an aptitude for math and science theory. The course develops study skills and applies theory to practical situations. This is a very comprehensive course with 5 units: kinetics, chemical equilibrium, acid-base equilibrium, solubility equilibrium and oxidation-reduction. These are presented within conceptual frameworks such as the factors affecting reaction rates, Le Chatelier's Principle, pH, buffers and electrochemical cells. In this experimental science, students are expected to gain an understanding through observation and inference.

Grade 12

1 Credit

Physics (0123 Physics 40S)

Prerequisite:

- Physics (30S)
- Enrolled in Pre-Calculus Mathematics 40S with a recommended mark of 70% or higher mark from Pre-Calculus Mathematics 30S

This is the second course in physics. It requires a strong commitment from mathematically based students. A high level of abstract learning is developed through a variety of topics in this comprehensive course with 4 units: mechanics, fields, electricity and medical physics.

The concepts introduced in Physics (30S) will now be applied to new concepts such as projectile motion, circular motion, work and energy, low Earth orbits, electric circuits and radiation. Throughout the program, student will gain an understanding of how science, technology and the environment are related in a physical sense.

Social Studies

Course Description

Social Studies is the study of people in relation to each other and to the world in which they live. In Manitoba, social studies includes the disciplines of history and geography, draws upon the social sciences, and integrates relevant content from the humanities. As a study of human beings in their physical, social, and cultural environments, social studies examines the past and present, and looks toward the future. Social studies helps students acquire the skills, knowledge, and values necessary to become active democratic citizens and contributing members of their communities, locally, nationally, and globally.

Grade 9

1 Credit

Social Studies (0101 Canada in the Contemporary World 10F)

Prerequisite: Successful Completion of Grade 8 Social Studies

This course examines some of the important events in Canada's past and some of the current issues that face Canada and the greater world. Through historical research, presentation of current events and integration of primary and secondary sources, students build an understanding of Canadian and global societies. Through dialogue and reflection, students are encouraged to explore their attitudes and beliefs about these issues. Some areas covered are identity, cultural diversity, government, economy, legal system, foreign policy, world wars and international aid and development. Students will develop skills related to active citizenship, managing and communicating information and ideas and critical and creative thinking.

Grade 10

1 Credit

Geography (1180 Geographic Issues of the 21st Century 20G)

Prerequisite: Successful Completion of Social Studies (10F)

The main focus of this course is the environmental and political issues in geography that impact our lives and those of future generations. Students explore the nature of geography and develop skills related to geographical thinking thereby developing geographic literacy. Students will use geographic information systems, as well as other methods and tools to examine issues and to propose solutions to geographic problems. The cluster areas are Geographic Systems—Global Positioning Systems (GPS), Geographic Information Systems (GIS), Natural Resources -the impact of energy use on our planet, sustainable development, Food from the Land -food production and related issues, population growth, Industry and Trade -and issues related to trade and industry, and Urban Places— population growth and city planning.

Grade 11

1 Credit

History (0105 History of Canada 30S)

Prerequisite: Successful Completion of Geography (20G)

The Grade 11 History of Canada curriculum supports citizenship as a core concept and engages students in historical inquiry. Guided by essential questions, students focus on the history of Canada from pre-European contact times to the present. Through this process students become historically literate. Students are encouraged to think critically and develop citizenship skills that will better help them become active members of a democratic society.

Grade 12

1 Credit

Global Studies (1128 Global Issues: Citizenship and Sustainability 40S)

Prerequisite: None

The primary purpose of this course is to analyze the impact of issues on the quality of life in a variety of different political, social, and economic systems throughout the world and to encourage students to make an informed response about these issues. The contemporary issues include media - its role and influence, global organizations, poverty, starvation, water shortages, genocide and different governing styles. Role playing games, documentaries, projects of personal interest and animated discussions form the framework for this class. Students will be expected to be informed on global issues and to actively seek out information which will require them to evaluate information and media sources for credibility and reliability.



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