GRADE 11 COMPULSORY COURSES

HISTORY OF CANADA 30F (1 CREDIT)

This 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-contact times to the present. Through this process, students become historically literate and better able to understand the Canada of today.

This curriculum is organized around the following five themes:

1. First Nations, Metis and Inuit Peoples
2. French-English Relations
3. Identity, Diversity and Citizenship
4. Governance and Economics
5. Canada and the World

ENGLISH LANGUAGE ARTS 30S (1 CREDIT)

Students are required to take one of three English Language Arts courses. Students are encouraged to take more than one of the following courses in which case one would be considered an elective.

COMPREHENSIVE FOCUS 30S (1 CREDIT)

This course will provide learners with access to a core curriculum with goals and objectives related to reading, writing, listening, speaking, viewing and representing. These language modes will be explored using a wide variety of literature including literary, dramatic, journalistic, technical and transactional materials. This course focuses on improving general reading, writing and communication skills, with a focus on employment competencies, current events and technology skills.

LITERARY FOCUS 30S (1 CREDIT)

This course will provide learners with access to a core curriculum with goals and objectives related to reading, writing, listening, speaking, viewing and representing. While these language modes will be explored using a wide variety of literature including transactional, **literary** and **dramatic** materials, the latter two will be emphasized. This is a reading and writing intensive course that focuses on writing for aesthetic purposes.

TRANSACTIONAL FOCUS 30S (1 CREDIT)

This course will provide learners with access to a core curriculum with goals and objectives related to reading, writing, listening, speaking, viewing and representing. While these language modes will be explored using a wide variety of literature including literary, dramatic,

journalistic, technical and **transactional** materials; the latter three will be emphasized. This is a reading and writing intensive course that focuses on **academic** writing; some competencies this course addresses are research skills, essay writing skills and communication skills. The knowledge and skills students will gain in this course are applicable to various faculties of study.

Students who are considering post-secondary education are encouraged to take both the Literary and Transactional courses.

MATHEMATICS 30S

Students are required to take one of the three mathematics courses. Students may opt to take more than one of the following courses in which case one would be considered an elective.

APPLIED MATHEMATICS 30S (1 CREDIT)

This course is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It is context driven and promotes the learning of numerical and geometrical problem-solving techniques as they relate to the world around us. It builds upon the foundation knowledge and skills from Grade 10 Introduction to Applied and Pre-Calculus Math.

Here is a list of the seven major topics that will be covered:

1. Systems of Linear Inequalities
2. Quadratic Functions and Equations
3. Statistical Reasoning
4. Proportional Reasoning
5. Inductive and Deductive Reasoning
6. Properties of Angles and Triangles
7. Acute and Oblique Triangle Trigonometry

Graphing calculators are required for Applied Math. Students may purchase their own calculators or borrow one from the school.

A mark of 70% in Introduction to Applied & Pre-Calculus Mathematics 20S is strongly recommended.

ESSENTIALS OF MATHEMATICS 30S (1 CREDIT)

Essentials of Mathematics 30S is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Essentials of Mathematics 30S builds on the knowledge and skills of Essentials of Mathematics 20S and provides a foundation for the topics to be studied in Essentials of Mathematics 40S.

Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in everyday life in a technological society.

Topics include:

1. Slope and Rate of Change
2. Graphical Representation
3. Surface Area, Volume and Capacity
4. Trigonometry of Right Triangles
5. Scale Representations
6. Financial Services
7. Personal Budgets

PRE-CALCULUS MATHEMATICS 30S (1 CREDIT)

Pre-Calculus Mathematics 30S is designed for students who intend to study calculus and related mathematics as part of their post-secondary education. Students learn mathematical concepts through practice and regular homework.

The course is a high-level study of theoretical mathematics with an emphasis on conceptual understanding through procedural fluency.

A mark of 70% in Introduction to Applied & Pre-Calculus Mathematics 20S is recommended.

Topics include:

1. Linear Functions
2. Quadratic Functions
3. Radical Functions and Equations
4. Quadratic Equations
5. Rational Functions and Equations
6. Trigonometry
7. Sequences and Series

PHYSICAL EDUCATION 30F (1 CREDIT)

This compulsory full-credit course is designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and to engage in active lifestyles into the future. Students will study topics related to fitness management, mental health, substance use and abuse prevention, and the social impact of sport. The focus of this content will be on health and personal planning. These topics will make up the core in-class component of the course content.

Students will be asked to choose from two delivery models (33% in or 100% in) varying the amount of time that they spend in- and out-of-class working on their own individual fitness plans. These plans will be discussed with teachers at which time students will be introduced to safety and risk management planning to minimize the associated risks of the activities they have chosen.

NOTE: In order to earn this compulsory credit, students will be required to submit a personal fitness portfolio containing elements such as a fitness plan, physical activity log, or journal entries. In the 33% in model, parents/guardians will be required to review the student's physical activity plan and sign a parent declaration and consent form acknowledging their approval of the chosen activities and acceptance of responsibility for risk management, safety, and supervision. Parents/guardians will also be required to verify the entries of the student's physical activity log through a sign-off procedure.

GRADE 11 OPTIONS

BIOLOGY 30S (1 CREDIT)

This is the first year of a two-year program in the science of living organisms. Biology is a valuable course for students planning to go on into biological, medical, agricultural or ecological studies after high school. Biology 30S begins with the basic features of human wellness, homeostasis in the human body, cell membranes, and energy supply. The rest of this course is the study of major systems of the human body, including circulation and the blood, digestion, respiration, excretion, endocrine, immune, and nervous systems.

CAREER DEVELOPMENT INTERNSHIP 30G (1 CREDIT)

This course is designed to introduce students interested in pursuing a career in human services, to some aspects of this field of work as well as the skills required. The course has a theory and practical component. In their practicum, students will be assigned to specific classrooms and will provide supports to students as determined by the classroom teacher. Students are expected to be strong role models and demonstrate a commitment to the program through regular attendance. This is a Complete/Incomplete course. If students complete all of the required work, they will receive the credit at the end of the semester but won't receive a grade.

CHEMISTRY 30S (1 CREDIT)

Chemistry 30S is recommended as a prerequisite to Chemistry 40S. It is also recommended that students be enrolled in Pre-Calculus or Applied Mathematics.

Topics explored are:
1. Physical Properties of Matter
2. Gases and the Atmosphere
3. Chemical Reactions
4. Solutions
5. Organic Chemistry

Opportunities for exploring qualitative and mathematical applications of Chemistry are provided. Students participate in planning, designing, and performing experiments as laboratory facilities and supplies permit. An attitude of safety and ownership of learning is expected and developed.

CINEMA AS A WITNESS TO MODERN HISTORY 40S

This course considers cinema as a source of information – or misinformation – about the 20th century world, and as a springboard for critical reflection about diverse interpretations of history. Students will engage in a variety of learning strategies as they study films from various genres and periods, explore the historical and social context in which the films were created, deconstruct the techniques used to convey the filmmakers' messages, pose questions about the influence of cinema on their understanding of the past, conduct inquiry into major themes in world history, develop critical media literacy, and engage in historical thinking. Some of the 20th century events that will be explored in this course include World War I, World War II, The Great Depression, the Holocaust and the Cold War.

COMPUTER SCIENCE 30S (1 CREDIT)

In Computer Science 30S/40S, students will be introduced to computer programming. This course will alternate yearly with the following plans:

1. Students will begin the course learning of the structure of coding using Scratch. This will evolve into the basics of Python where we will learn of some of the basic practices of one of the most user-friendly coding languages. The second part of this course will move into Java and object-oriented programming using Alice (for 3D environments) and Greenfoot (for 2D environments).

2. Students will begin the course learning of the structure of coding using Scratch. This will evolve into the basics of Python where we will learn some of the basic practices of one of the most user-friendly coding languages. The second part of this course will transition into game-design using Pygame. If time permits, other languages could be explored, including C, SQL, and Java.

CONCERT BAND 30S (1 CREDIT) – Full year course taught on odd days

The Grade 11 Band program is open to any student who has completed four years of instruction on a Brass, Woodwind, or Percussion instrument. Students with less than four years of instruction may join with the permission of the instructor. The Concert Band program offers a wide variety of musical styles including traditional Concert Band music, jazz and contemporary music. Students will continue to learn basic theory and musicianship skills through performance.

Students participating in the Band program will be expected to perform at various concerts, festivals and school functions during the year; failure to attend may result in withdrawal from the course.

CONCERT CHOIR 30S (1 CREDIT) – Full year course taught on even days

Concert Choir 30S is designed for students who have a strong interest in music and ensemble singing. Students will sing a variety of music from many cultures and traditions including Jazz, Classical and World music. Students will expand their understanding of reading music, music theory and history. Students will be required to perform at concerts and festivals throughout the school year; failure to attend will result in withdrawal from the course.

A piano accompanist is an important part of a vocal ensemble. Piano players are welcome to audition at time of registration.

CREATIVE PROMOTIONS 20S (1 CREDIT)

Creative Promotions is designed for students who are looking to expand their business knowledge through creative communication. The course will focus on the theory behind advertising strategies, direct marketing, personal selling, sales promotions, and public relations. Students will have the opportunity to use a variety of mediums (graphic design, audio, photography, film, social media) and their creativity to design a variety of promotional and advertising material.

DIGITAL PHOTOGRAPHY 25S & DIGITAL FILMMAKING 25S (1 CREDIT)

This course will focus on the creation and manipulation of high quality digital pictures and digital video. Students will work with images using painting and editing tools, layers, properties, filters and effects in Photoshop. Students will also learn the basics of video pre-production, production, and post-production using Premiere Elements. This course will give students the skills and knowledge to be able to tell stories by combining still images, video footage, audio and/or text. Digital cameras and camcorders are provided for class use.

DRAFTING DESIGN TECHNOLOGY 30G (1 CREDIT)

"Learning Today for Tomorrow"
This course will provide an opportunity for students to develop drafting skills in a practical activity-based approach. Drafting projects will be incorporated, allowing the students hands-on experiences in different stages as they develop the necessary theoretical background in order to design and construct various drawings utilizing AutoCAD and Revit computer design programs. Architecture-Residential Drafting and Design with the inclusion of Residential computer design programs and the Solid Works Design program utilizing a 3-D Printer will be incorporated to

enhance the program. The development of good work habits will be a key component, as emphasized in any workplace.

Text: Architecture Residential Drafting & Design

DRAMA 30S (1 CREDIT)

This course allows students to practice and further develop their dramatic skills and extends the experience to include more script work and an introduction to elements of theatre production. Students will develop rehearsal and performance skills, formal and informal character development through improvisational skills, performance exercises, student group projects, and script writing.

ELECTRONICS 30G (1 CREDIT)

This course will provide an opportunity for students to develop electronic skills in a practical activity-based approach. Electricity/Electronics projects will be incorporated, allowing the students hands-on experiences in different stages as they develop the necessary theoretical background in order to design and construct various projects in the respective fields. Communications and Opto Electronics kits, Mr. Circuits "3" (The Laws of Direct Current) activity kits/software programs, and residential wiring work stations will be incorporated to enhance the practical portion of the course. Safety and developing good work habits will be a key component, as emphasized in any workplace.

ENGLISH LANGUAGE ARTS 30S (1 CREDIT)

Students may take all three of the Grade 11 English Language Arts courses offered (Comprehensive Focus, Literary Focus and Transactional Focus). Course descriptions are found in the Grade 11 Compulsory Course section.

EXERCISE SCIENCE 40S (1 CREDIT)

This course is designed to provide an in-depth study into the science of human performance. The human body's physiological systems are a complex framework between the brain and nervous system. The purpose of this course is to give students a clear picture of how those physiological systems work together to maximize human performance. Students will use their knowledge of various aspects of exercise science such as biomechanics, kinesiology, fitness testing, injury treatment and prevention and nutrition to develop a greater understanding of how the interaction between brain and nervous system leads to mastery in high performance activities.

A small part of this course will be to apply what is learned in the classroom and use the knowledge to complete and participate in training programs, workouts, and testing.

FAMILY STUDIES 30S (1 CREDIT)

Why do children behave as they do? This course is a study of the growth and development of children, with the emphasis on preschoolers and school-age children.

Students will learn about:

1. Developmental needs,
2. Effective care
3. Positive interactions with children/adolescents

This course may be good for students interested in fields such as Child Psychologist, Early Childhood educator, Teacher or Care Worker.

FOOD & NUTRITION 30G (1 CREDIT)

This course focuses on the individual within the community and Canada, including the influence regions have on our food choices and personal practices. Students will 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.

FRENCH: COMMUNICATION & CULTURE 30S (1 CREDIT)

This course provides a content or theme-based approach to the learning of a second language. Themes studied will include the arts, travel, health issues, adolescence, and the future. Students are encouraged to interact with the teacher and with one another in a communicative context on themes and subjects which are considered to be of interest to them. Aside from oral interaction and presentations, students will learn reading skills and will learn vocabulary and grammatical structures for the written language. Making students aware of French and French-Canadian culture is also an integral part of the course.

Performing skits in French, playing interactive communicative games as well as viewing popular French movies will be an important aspect of experiencing authentic French culture. Field trips to the Louis Riel House and the Winnipeg Art Gallery are planned as well as traveling to Quebec City and Montreal and/or Paris, France if students are interested.

Vive le francais!

Text: Voyages 2

HIGH SCHOOL APPRENTICESHIP PROGRAM (UP TO 8 CREDITS)

This option is available to students who are at least 16 years of age. It combines regular high school academic credits and on-the-job training. Students can earn up to eight academic credits towards graduation while accumulating training hours in a trade of their choice. Students are granted one credit for every 110 hours of training they successfully complete.

Students must find a qualified tradesperson to train them, and once this is done, an agreement between the student and employer is forwarded through the school to the Apprenticeship Branch. Students will be enrolled in courses at school to satisfy the compulsory academic requirements for graduation, and when not in school, these students work for their employer and are paid a trade-regulated wage.

There is a fee of $50.00 to register with the Apprenticeship Branch. This fee covers all credits earned in their chosen trade. Students interested in the High School Apprenticeship Program are asked to see Mr. Baldwin.

JAZZ BAND 30S (1 CREDIT)

The Grade 11 Jazz program is open to Band 30S students wishing to expand their musical skills and increase their performance opportunities. Students should have at least three to four years of instruction on their instrument. Students who cannot enroll in both Band 30S and Jazz Band 30S should be prepared to do extra work to be able to perform with the Concert Band.

Performance at concerts, festivals, and in the community is required, and forms a basis for evaluation. Failure to attend may result in withdrawal from the course.

MATHEMATICS 30S (1 CREDIT)

Students may take any of the three Grade 11 Math courses offered (Applied, Essentials, Pre-Calculus) as an elective. Course descriptions are found in the Grade 11 Compulsory Course section.

METALWORK TECHNOLOGY 30G (1 CREDIT)

Successful completion of Metalwork Technology 25G is strongly recommended. This course is a continuation of the 25G program, including the safe use of equipment, the care and maintenance of hand tools. Project work will consist of compulsory projects that will show a fair degree of metalworking skills. Welding will be a strong component of this course, as well as a continued application of machining in metalwork.

OUTDOOR WILDERNESS EDUCATION 21G (1 CREDIT)

Given our students' geographical location, they are exposed to a variety of outdoor experiences. Therefore, it is important that our students gain the knowledge, skills, and attitudes for lifelong participation in the outdoors.

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PHYSICS 30S (1 CREDIT)

This course develops the ability to visualize relationships between a scientific principle and its mathematical formula. It also provides training in applying such formulae to solve problems. Students can expect to perform experiments in order to gather, interpret and analyze data.

Physics 30S is either a prerequisite or is highly recommended for most post-secondary science courses. It is an asset for those seeking employment in the fields of energy, telecommunications, aviation and various technologies.

Topics studied:

1. Models, Laws & Theories
2. Kinematics
3. Dynamics
4. Gravitational Fields
5. Electromagnetics
6. Waves (sound & light)

TEXTILE ARTS & DESIGN 30S (1 CREDIT)

Students will have the opportunity to explore and expand their knowledge of fashion, design, sewing and construction skills in using fabric and accessories in constructing their practical projects.

Students will learn about fashion history and textile science, fashion design, merchandising, marketing, and interior design

Students will make at least 3 textile projects over the course of the semester.

VISUAL ARTS 30S (1 CREDIT)

This course gives students the opportunity to explore a variety of art mediums while focusing on three main goals: visual awareness, art appreciation, and art production. Skills and techniques learned in Grade 9 and 10 will be developed further through visual expression. Students in Grade 11 are expected to exhibit more maturity in the relationship between ideas, skills, and design concepts. Students will learn about various aspects of art history and contemporary art. Various materials will be explored including drawing, painting, and sculpting materials.

WOODWORK TECHNOLOGY 30G (1 CREDIT)

Successful completion of Woodworking Technology 25G is strongly recommended. Practical hands on woodworking is emphasized. Students must be motivated and able to work with minimal supervision to be successful. Students are required to complete compulsory projects, optional projects are at the discretion of the instructor.