

GRADE 11 COMPULSORY COURSES

ENGLISH LANGUAGE ARTS 30S (1 CREDIT)

Students are required to take one of the two English Language Arts courses. Students may opt to take both of the following courses in which case one would be considered an elective.

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.

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.

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

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)

The Applied Mathematics 30S course includes the following topics:

- Topics:
1. Logical Reasoning
 2. Statistics
 3. Quadratic Functions
 4. Systems of Inequalities
 5. Rates and Scales
 6. Geometric proofs
 7. Trigonometry

Applied Mathematics activities are designed to aid students in exploring connections between mathematical concepts and real world applications. Technology such as the graphing calculator and spreadsheets are used to explore these connections. The approach is primarily data driven, using numerical, geometrical, and problem-solving techniques. Student flexibility, responsibility, and ownership of learning is expected and developed.

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 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 25% 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 20S: LIFE/WORK PLANNING

Career Development 20S will connect school learning with workplace and labour market realities. This course places a greater emphasis on student outcomes related to communication skills, work information, work trends, self-assessment, matching personal skills to occupation, stereotyping and discrimination in the workplace, and work-search tools. Participation of 10 hours in a community based work experience is a requirement of this course.

The five units covered will be:

Unit 1: Personal Management

Unit 2: Career Exploration

Unit 3: Learning and Planning

Unit 4: Job Seeking and Job Maintenance

Unit 5: Career and Community Experiences

CAREER DEVELOPMENT INTERNSHIP (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.

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)

This project-based computer programming course reflects the way projects are completed in industry. The course is structured to give students opportunities to write programs and develop project management skills in a team-programming environment.

In the first half of the course, students will learn how to write programs to control robots. Students will incorporate decision-making structures in simple computer programs to allow robots to navigate autonomously. In the second half of the course, object-oriented computer programming using Java will be introduced.

CONCERT BAND 30S (1 CREDIT)

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)

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 build on the skills learned in Grade 10 2D Animation and Web Design. A greater focus will be placed 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 intermediate course allows students to practice and develop skills learned in Dramatic Arts 20G 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 both of the Grade 11 English Language Arts courses offered (Literary Focus and Transactional Focus). Course descriptions are found in the Grade 11 Compulsory Course section.

FAMILY STUDIES 30S (1 CREDIT)

Grade 11 Family Studies focuses on children's and adolescents' relationships within their families. Students will learn about developmental needs, effective care, and positive interactions with children/adolescents. The skills and knowledge that students gain will provide them with the opportunity to make informed decisions related to parenting, relationships, and families.

FOOD & NUTRITION 30G (1 CREDIT)

This is a full credit course designed for students interested in World Food.

1. Theory – the study of world cuisine which includes customs and cultures
2. Labs – ethnic cooking
3. Projects - there will be a mid-term and a final project

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 français!

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.

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	4. Gravitational Fields
	2. Kinematics	5. Electromagnetics
	3. Dynamics	6. Waves (sound & light)

TEXTILE ARTS & DESIGN 30S (1 CREDIT)

Grade 11 Textile Arts and Design focuses on enhanced knowledge and skill development in textile design and construction. Students will examine the areas of creative costuming, cultural fashion design, and consumer practices that have an impact on individuals and communities. This course will follow the fashion industry through design, marketing, and merchandising. Students are responsible for purchasing fabric, patterns and notions for all four major projects completed during the school year. Previous experience is required prior to enrolling in this course.

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 Woodwork Technology 25G is strongly recommended. The 30G student will develop advanced skills in design and planning. Power equipment set-up, safe operation as well as care and maintenance of tools will be taught and reviewed throughout the program. Students will be required to complete compulsory projects. Optional projects are at the discretion of the instructor and fees will be determined by individual projects. Students must be motivated and able to work with minimal supervision to be successful.