

Gimli High School

Grade 11/12

Student Registration Guide



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Evergreen School Division

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Welcome to Gimli High School!

Introduction

Students should discuss course choices with teachers, counsellors, and their parent(s)/guardian(s). Individual choices should be based on ability, interests, study, commitment level and aspirations. Plan carefully. Course assignment is based on the courses initially requested.

Students must ensure they are taking the courses they need to meet their post-secondary aspirations, either further formal education, trades training, or work situations.

LAKER LIFE

At GHS, we are proud to be “Lakers” and we believe in conducting ourselves in line with the following Laker characteristics:

- L** We are responsible **LEARNERS**.
- A** **ACTIVE** participation and involvement is a key to success.
- K** Being **KIND** allows us to have a safe space to learn and work.
- E** Being **EMPATHETIC**, showing understanding to others.
- R** **RESPECTFUL** conduct, to help our learning community thrive.

Laker Pride is based upon being the best version of yourself and taking pride in your role in our community. Focusing on being a LAKER will help you be successful at Gimli High School.

Gimli High School Code of Conduct

As a community of engaged learners at Gimli High School we believe in the following:

1. **Safety ...therefore No Violence/Weapons**
2. **Healthy Lifestyle...therefore...No Drugs/Alcohol**
3. **Respect for Self/Others...therefore...No Harassment**
4. **Respect for Property...therefore...No Vandalism**
5. **Learning...therefore...No Direct Defiance**

Registration – Important Points to Consider

1. An elective course will be offered only if a sufficient number of students enroll in it. When elective courses are not offered, students will be assigned their alternative.
2. Counsellors and teachers are available for consultation any time during the registration process.
3. In the event that a student's schedule does not meet their needs, it is the responsibility of the student to contact a guidance counsellor to discuss it.
4. It is necessary for students to take specific courses in order to graduate. Elective courses will be scheduled in priority order as ranked by students and parents/guardians based on their choices.
5. Be sure to discuss your course selections with your parent/guardian before completing and submitting the registration form.

Guide to the Course Identification System

1. First number indicates the grade level.
1 – Grade 9 2 – Grade 10 3 – Grade 11 4 – Grade 12
2. Second number indicates Who Developed the Curriculum and the Credit Value.
0 – developed or approved by Manitoba Education for 1 credit.
5 – developed or approved by Manitoba Education for ½ credit.
1 – developed by school/division with approval from Manitoba Education (SIC)
1 – developed by student with teacher supervision (SIP)
3. Final letter indicates the type of credit.
F (Foundation) – foundation (groundwork) course experience for all students.
G (General) – general education experience for all students.
S (Specialized) – learning experiences leading to further studies at post-secondary
A (Advanced) – academically challenging (going beyond general or specialized)
M (Modified) – course has been modified for student who has special needs. (Must meet provincial guidelines).
U (Dual-Credit – University) Educational experiences at the first year university level that can be used for dual credits for high school graduation purposes and also for first year university

Choosing Courses

What is a credit?

A credit is defined by Manitoba Education and Training as a course of study comprising of 110 to 120 hours of instruction. Similarly, a half credit is defined as a course of study comprising of 55-60 hours of instruction.

To receive a Manitoba High School Diploma, a student must have earned a minimum of 30 credits.

To receive the Evergreen School Division Diploma, students are required to obtain 32 credits. All students are encouraged to strive to earn 32 credits for the Evergreen School Division Diploma.

Compulsory Courses

These courses (17) are mandated by the Department of Education, Citizenship and Youth.

Elective Courses

In addition to the compulsory courses, a minimum of 13 elective credits must be earned to qualify for graduation.

Subject Recommended Prerequisites

Due to the sequential development of skill or the sequential mastery of content inherent in certain subjects, prerequisites are recommended in subjects. Course recommended prerequisites are indicated in the course descriptions. When planning long term, students should be careful to meet all prerequisite recommendations.

GRADUATION REQUIREMENTS SENIOR YEARS ENGLISH PROGRAM

To meet the requirements of this program all subjects are taught in English with the exception of other languages studied.

Senior Years English Program Graduation Credit Requirements 2017-2018 School Year and Beyond (Minimum of 30 credits)																																																			
Compulsory Credits: 17																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Grade 9</td> </tr> <tr> <td colspan="2">Compulsory Subject Areas (5 credits)</td> </tr> <tr> <td>Language Arts (English)</td> <td style="width: 20px;"></td> </tr> <tr> <td>Mathematics</td> <td></td> </tr> <tr> <td>Science</td> <td></td> </tr> <tr> <td>Social Studies</td> <td></td> </tr> <tr> <td>Physical Education / Health</td> <td></td> </tr> <tr> <td colspan="2">Grade 10</td> </tr> <tr> <td colspan="2">Compulsory Subject Areas (5 credits)</td> </tr> <tr> <td>Language Arts (English)</td> <td></td> </tr> <tr> <td>Mathematics</td> <td></td> </tr> <tr> <td>Science</td> <td></td> </tr> <tr> <td>Geography</td> <td></td> </tr> <tr> <td>Physical Education / Health</td> <td></td> </tr> <tr> <td colspan="2">Grade 11</td> </tr> <tr> <td colspan="2">Compulsory Subject Areas (4 credits)</td> </tr> <tr> <td>Language Arts (English)</td> <td></td> </tr> <tr> <td>Mathematics</td> <td></td> </tr> <tr> <td>History</td> <td></td> </tr> <tr> <td>Physical Education / Health</td> <td></td> </tr> <tr> <td colspan="2">Grade 12</td> </tr> <tr> <td colspan="2">Compulsory Subject Areas (3 credits)</td> </tr> <tr> <td>Language Arts (English)</td> <td></td> </tr> <tr> <td>Mathematics</td> <td></td> </tr> <tr> <td>Physical Education / Health</td> <td></td> </tr> </table>	Grade 9		Compulsory Subject Areas (5 credits)		Language Arts (English)		Mathematics		Science		Social Studies		Physical Education / Health		Grade 10		Compulsory Subject Areas (5 credits)		Language Arts (English)		Mathematics		Science		Geography		Physical Education / Health		Grade 11		Compulsory Subject Areas (4 credits)		Language Arts (English)		Mathematics		History		Physical Education / Health		Grade 12		Compulsory Subject Areas (3 credits)		Language Arts (English)		Mathematics		Physical Education / Health		<p>Elective Credits: (see your school for complete list) 13 credits from subject areas such as</p> <ul style="list-style-type: none"> • Language Arts (additional courses for credit) • Mathematics (additional courses for credit) • Sciences (additional courses for credit) • Social Studies (additional courses for credit) • French: Communication and Culture • Other Second Languages • The Arts <ul style="list-style-type: none"> - visual arts - music - drama - dance • Skills for Independent Living • Technology Education <ul style="list-style-type: none"> - vocational education - home economics - business and marketing - industrial arts • Career Technology Studies <ul style="list-style-type: none"> - lifeworks - career development internship - credit for employment - apprenticeship • Others as organized by the school
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<ul style="list-style-type: none"> • Students must meet the entrance requirements of the post-secondary education (college or university), training, or work situation they intend to pursue. • Within the elective subject areas, students must complete one Grade 11 credit and two Grade 12 credits. • Note: School-Initiated Courses (SICs) and Student-Initiated Projects (SIPs) may be used to fulfill the graduation requirements within the elective credits to a maximum of 11 and 3 respectively. Depending on the different requirements of the four school programs recognized by Manitoba Education, Citizenship and Youth, the number of possible SICs used as elective credits may vary. 																																																			

GRADUATION REQUIREMENTS CONT.

As noted, 30 credits are required to earn a provincial high school diploma; however, it is strongly recommended that students strive to earn 32 credits to qualify for the Evergreen School Division Diploma.

Note: Put a check mark beside compulsory and elective credits listed below as credit is achieved.

COMPULSORY CREDITS							GRADUATING 2017-2018 and BEYOND
Subject Area	Gr.9	Gr.10	Gr.11	Gr.12			
√ Check off as credit is achieved							
Language Arts							4
Mathematics							4
Social Studies							3
Science							2
Physical Education/Health Education							4
							17
ELECTIVE CREDITS							GRADUATING 2017-2018 and BEYOND
List courses:	Gr.9	Gr.10	Gr.11*	Gr.12*			
√ Check off as credit is achieved							
1.							
2.							
3.							
4.							
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6.							
7.							
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9.							
10.							
11.							
12.							
13.							
ELECTIVE CREDITS SUB-TOTAL:							13
TOTAL PROVINCIAL GRADUATION REQUIREMENTS:							30

*At least one elective credit must be at the Grade 11 level and two elective credits at the Grade 12 level.

Students should ensure they meet the entrance requirements of the post-secondary education and training, apprenticeship, or private vocational opportunity they intend to pursue.

Evergreen School Division: Graduation Requirements

Students in Evergreen School Division may graduate with one or more of the following diplomas:

Manitoba Diploma – students who achieve 30 credits and meet Manitoba Education graduation requirements.

Evergreen Diploma - students who achieve 32 credits and meet Manitoba Education requirements.

Evergreen Diploma with Distinction - students who meet the requirements for the Evergreen Diploma and achieve an average of 80% or greater in Senior 4 courses (minimum five Senior 4 credits).

English Program

To meet the requirements of this program, students must complete 30 credits from Grades 9 to Grade 12, all taught in English with the exception of other language study.

Students must complete 17 Compulsory credits from Grade 9 to Grade 12. These are:

- English Language Arts: 4 credits
- Mathematics: 4 credits
- Social Studies: 3 credits
- Science: 2 credits
- Physical Education / Health Education: 4 credits

Students must complete 13 Elective Credits from Grade 9 to Grade 12. At least one elective credit must be at the Grade 11 level and at least two Elective credits must be at the Grade 12 level. Elective credits can include:

- Courses based on department curricula
- School-Initiated Courses (SICs)
- Student-Initiated Courses (SIPs)
- Dual credits (university and college courses taken during the Senior Years)
- Distance learning
- Community service
- Special language Credit Option
- Private Music Option
- Career Technology Studies Courses

Post Secondary Requirements

Students planning to pursue post-secondary studies should be guided in their choice of subjects by the requirements of the institution or program that they intend to enter. Graduation with a Province of Manitoba high school diploma does not itself guarantee admission to post-secondary education. It is the responsibility of students to ensure that they are registered in the courses required.

As entrance requirements vary by school, and may change over time, students are advised to regularly consult the website of the post-secondary institution they wish to attend for up-to-date information. Your school guidance counsellor can provide assistance with this process.

Course Descriptions

Compulsory Courses

English Language Arts 30S/40S

- **Compulsory at both Grade 11 and 12**

The study of English Language Arts enables each student to understand and appreciate language and to use it confidently and competently in a variety of situations for communication, personal satisfaction, and learning. The course will be based on the learning outcomes which are the foundation for the ELA Framework.

The outcomes are met through a variety of listening, speaking, reading, writing, viewing, and representing experiences. It involves interacting with text in order to develop skills in assimilating new knowledge to what is known prior, and at times to modify one's opinion. These skills will allow students to become more clear, direct, and concise with their writing.

Mathematics:

- **3 streams: One math course is compulsory at both Grade 11 and 12**

Essential Math

Essential Mathematics is intended for students whose post-secondary planning does not include a focus on mathematics or science-related fields.

Essential Mathematics 30S (Grade 11) emphasizes consumer applications, problem solving, decision making, and spatial sense, and includes study of the following topics:

- Analysis of Games and Numbers
- 3-D Geometry
- Managing Money
- Trigonometry
- Interest and Credit
- Statistics
- Relations and Patterns
- Design Modeling

Essential Mathematics 40S (Grade 12) prepares students to make decisions that involve mathematics in their daily lives. Topics include:

- Personal Finance
- Design and Measurement
- Government Finances
- Investments
- Preparing income tax returns
- Variation and Formulas
- Researching a Career
- Statistics.

Applied Mathematics

Applied Mathematics is intended for students who will not require a study of theoretical calculus in their post-secondary studies. It concentrates on numerical and geometrical problem-solving techniques as they relate to the world around us. The primary goal of Applied Mathematics is the development of critical thinking skills through problem solving and the modeling of real-world situations mathematically to make predictions.

Applied Mathematics 30S (Grade 11) topics covered:

- Quadratic Functions
- Scale
- Proofs
- Statistics
- Research Project
- Systems of Inequalities
- Trigonometry

Applied Mathematics 40S (Grade 12) topics covered:

- Relations and Functions
- Financial Mathematics
- Probability
- Logical Reasoning
- Design and Measurement
- Mathematical Research Project

Pre-Calculus Mathematics

Pre-calculus Mathematics is designed for students who intend to study calculus and related mathematics as part of post-secondary education. The course comprises a high-level study of theoretical mathematics with an emphasis on problem solving and mental mathematics.

Pre-Calculus Mathematics 30S (Grade 11) topics covered:

- Algebra
- Quadratic Functions
- Reciprocal Functions
- Trigonometry

Pre-Calculus Mathematics 40S (Grade 12) topics covered:

- Transformations of Functions
- Trigonometric Functions
- Exponential Functions
- Logarithmic Functions
- Polynomial Functions
- Radical Functions
- Rational Functions
- Binomial Theory

Physical Education / Health 30F/40F (Grade 11/12)

- **One Phys. Ed./Health course is compulsory at both grade 11 and 12.**
- **Several themes are available as noted below.**
- **For all the themes, the following apply:**
 - Part of the course will be done as an in-school portion and part will be done out of school. Students will be introduced to safety and risk management planning to minimize the associated risks of the activities they have chosen.
 - As part of earning their credit, students will be required to submit a personal fitness portfolio containing elements such as a fitness plan, physical activity log, or journal entries. Students will be graded for completion of the course with a Complete or Incomplete designation.
 - 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 the 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.

Theme 1: Active Healthy Lifestyles (Regular)

This 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 their futures. 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.

Theme 2: Men's Fitness and Wellness

This course is ideal for male students in grade 11 and 12 who wish to pursue and develop knowledge in the area of personal fitness. The course content will accommodate and reflect the interests of the class, as well as introduce new topics in the areas of health, wellness, and fitness. The location of this class will vary depending on the activity but will include the weight room, classroom, gymnasium, outdoors, and possibly community fitness centers. This course has a strong fitness component where students will be taking themselves to the next level in terms of their own personal fitness.

Theme 3: Women's Fitness and Wellness

This course is ideal for female students in grade 11 and 12 who wish to pursue and develop knowledge in the area of personal fitness. The course content will accommodate and reflect the interests of the class, as well as introduce new topics in the areas of health, wellness, and fitness. The location of this class will vary depending on the activity but will include the weight room, classroom, gymnasium, outdoors, and possibly community fitness centers. This course has a strong fitness component where students will be taking themselves to the next level in terms of their own personal fitness.

Theme 4: Basketball Academy

This stream is designed to help students develop their health and wellness in a sport-specific setting. Basketball-specific skills will be taught and enhanced through one-on-one coaching, repetition, and video analysis. Sport-specific conditioning and fitness training will be developed throughout the course. Students who take this course will be introduced to university pre-game meetings, game planning, and game analysis. They will gain valuable information regarding coaching teams, develop greater awareness of nutrition, and create a personal fitness plan to help them reach their own individual goals.

Canadian History 30F

- **Compulsory at the grade 11 level.**

Canadian History 30F applies historical thinking concepts to the history of Canada. Topics can include Pre-European Civilizations, New France, Indigenous-European relations, the Fur Trade, French-British competition for North American supremacy, British North America, Confederation, Immigration, the Wars, Canada-USA relations, Post-War economic and diplomatic relations, Constitution crisis, and First Nations reconciliation and justice. Throughout this process, students will become historically literate and be better able to understand the Canada of Today.

Elective Courses

- **Note that one grade 11 and two grade 12 electives are required for graduation.**
- **Students may request to be enrolled in a course that is not at their grade level if there is no course at their grade level in that course; for example, you may take Psychology 40S when you are in grade 11, provided there is room in the course.**

Advanced Guitar 30G/40G (Grade 11/12)

Guitar 30G/40G is for experienced guitarists. The course is aimed at students that have previously completed Guitar 20G or have significant background playing guitar. The course will develop various musical skills and advanced guitar techniques, including how to read music notation on all strings in first position, chord charts, strumming patterns, music theory and scales. Musical repertoire will touch on popular music styles including rock, pop, blues and folk. Students interested in taking this course who have not completed Guitar 20G should consult the teacher before registering for the class.

Applied Power Mechanics:

Applied Power Mechanics 30G (Grade 11)

Applied Power Mechanics 30G is an introduction to the design and systems of the modern automotive power train. In this course students will aid in the complete tear down and rebuild of a V-6 or V-8 engine and will learn the workings of the power cycle, lubrication system, cooling system and the overall design and build of different types of engines. Students will also participate in general vehicle maintenance, such as: oil changes, fluid checks, fuse changes, electrical system monitoring, tire care, and greasing fittings. The aim of this course is to develop an active and continuing understanding of automotive practices, tool identification, and safe work practices.

Applied Power Mechanics 40S (Grade 12)

Applied Power Mechanic 40G is a continuation the grade 11 course and aims to expand on the workings and designs of the modern automobile. Throughout this course, students will go through systems not previously covered such as transmission and differential design, suspension systems, and electrical systems. Students will also participate in a complete build, determined by the interest and skill level of the group. Past build examples have been a drift trike, go kart, and a running engine stand. The goal of this course is to develop an active and full understanding of the entire automobile and how all these systems work together.

Band 30S/40S (Grade 11/12)

Band is a full credit course that runs at each grade level for the entire school year. While building on the skills developed in the grade 7 and 8 band program, students develop musicianship through the practice and performance of technique and expressive playing within a number of musical styles. In addition to developing skills and concepts connected to the music language, band students work extensively on developing community, teamwork skills and self-awareness. Students are required to participate in all scheduled performances.

Biology

Biology 30S (Grade 11)

In Biology 30S, the focus is upon life-long understanding of our bodies and how to keep ourselves well. It goes beyond human anatomy and physiology to the development of personal wellness awareness, skills, and behaviours. The units to be covered are: Wellness and Homeostasis, Digestion and Nutrition, Respiration and Transport, Excretion and Waste Management, and Protection and Control.

Biology 40S (Grade 12)

Biology 40S explores the relevant issues of genetics and biodiversity in the context of the real world. The course is comprised of the following units:

- Genetics
- Understanding Biological Inheritance
- Mechanisms of Inheritance
- Bioethics
- Biodiversity
- Evolutionary Theory and Biodiversity
- Organizing Biodiversity
- Conservation of Biodiversity

Broadcast Media 35S (Grade 11)

The purpose of the course is to provide students with an understanding of all phases of the media production process (preproduction planning, production, and post-production) from a variety of perspectives (such as: news, sports, entertainment, etc.). The course includes technical aspects of media production for the web, radio, and television. Students should have skills creating video and creating web pages prior to taking the course. Students will plan, develop, and broadcast a multimedia product.

Canadian Law 40S (Grade 12)

Law 40S is a course which helps a person understand Canadian law and how it works. Topics include criminal law, tort law, family law, contracts, and consumer law. This course develops an understanding of the making of laws, an understanding of the court system in Canada, and an appreciation for the importance of law in our daily lives.

Career & Technology Studies (Grade 11 and 12)

Students in grades 11 and 12 may elect to earn credits by participating in the internship or apprenticeship programs, which allow them to earn valuable work experience while earning high school credits. In addition, students may earn credit for paid work in the form of a “credit for employment.”

Internships:

An internship is an unpaid work experience. In consultation with the School CTS Coordinator, a student will pick a work site where they wish to complete their work experience. A placement interview, including the employer, student and the School CTS Coordinator must take place before the student is permitted to log work experience hours. After the placement interview, the student will log their work experience hours, earning credits as follows:

Grade 11 level – half **or** full credit available

Grade 12 level – half **or** full credit available

These credits require 45 hours (half credit) or 100 hours (full credit) of work experience, plus the completion of a portfolio that includes a resumé and meaningful reflection.

Students are evaluated by their supervisor on both their soft skills, such as dependability and punctuality, and their job-specific skills.

Apprenticeships:

Students who wish to pursue a career in a specific trade may wish to explore the possibility of a paid apprenticeship. (It is recommended that a student complete one internship prior to registering for an apprenticeship.) Students working as apprentices in recognized trades are paid 10% over minimum wage and earn practical hours towards future certification in their trade. A high school student apprentice will earn one high school apprenticeship credit for every 110 hours of work experience. A total of eight credits are available. In many trades, high school apprenticeship credits can be used to “pay” tuition for practical training. Students are evaluated by their supervisors on their soft skills, such as dependability, work ethic and punctuality, as well as their trade-specific skill development.

Credit for Employment:

Students who have already earned a lifeworks or career development credit and are at least 16 years of age may earn up to two high school credits for paid work. Registration tasks/documents must be completed prior to any hours being logged for these credits. Credits available are as follows:

Grade 11 level – half **or** full credit available

Grade 12 level – half **or** full credit available

These credits require 55 hours (half credit) or 110 hours (full credit) of work experience, plus submission of a meaningful reflection.

Chemistry

Chemistry 30S (Grade 11)

Chemistry 30S is a course designed to develop and emphasize essential skills in the areas of scientific literacy and communication, problem-solving, human relations, and technology. Such skills are critical for a student's personal development and for the development of a highly skilled and adaptable workforce in our province. Labs are an important part of the material covered. Topics covered: 1. Physical Properties of Matter, 2. Gases and the Atmosphere, 3. Chemical Reactions, 4. Solutions, 5. Organic Chemistry.

Chemistry 40S (Grade 12)

Chemistry 40S is a specialized course which will allow students to develop a better understanding of the basic principles of chemistry. Through critical thinking, problem solving, and hands-on lab work, students will be better prepared for our scientifically literate society and be better able to make informed decisions about further studies and careers in science. Topics in this course include: 1. Aqueous Reactions, 2. Atomic Structure, 3. Kinetics, 4. Equilibrium, 5. Acid-Base Equilibrium, and 6. Oxidation-Reduction.

Clothing Housing and Design (Textile Arts and Design)

The world of clothing and textiles includes the areas of development and design. Students will explore the rapid advances in the world of textiles. The students will then use the skills they have practiced to create projects from textiles whether it is in fabric arts or making and personalizing their own clothing. The Housing and Design area of the curriculum includes topics such as housing types and styles, housing needs, and setting up and designing a home. Students will examine how the elements and principles of design can be incorporated in the interior design of a home.

Clothing Housing and Design (Textile Arts and Design) 30S (Grade 11)

The main learning outcomes include the Practical Applications of Creativity & Design and Factors Affecting Family & Lifestyle.

Clothing Housing and Design (Textile Arts and Design) 40S (Grade 12)

The main learning outcomes include the Significance of Living & Working Environments and the Consumer Aspects of Clothing & Housing.

Current Topics in Science – Environmental Science 30S (Grade 11)

This course consists of four main units of study: Aquatic Ecology, Wildlife Ecology, Forestry Ecology and Soil Ecology. Education for sustainable development is also incorporated into all areas of the course with particular focus in the following areas as outlined by the United Nations Decade of Education for Sustainable Development: biodiversity, ecosystems, water, food and agriculture, indigenous and local knowledge, human health, and the environment, and water. The aim of the course is to introduce students to the growing field of environmental science using a hands-on/experiential approach to learning. Career options will also be explored.

Drafting Design Technology

Drafting Design Technology is directed to those students who enjoy Drafting and are looking towards a career in drafting, design, engineering, or construction and manufacturing trades. Both levels of the course review and expand upon basic and advanced manual mechanical drafting techniques - 2D, 3D isometric, 3 view orthographic drawings. Recommended prerequisite - Woodworking 15G/20G

Drafting Design Technology 30G (Grade 11)

Students will delve into Architectural design involving a garage, computer design using 2D software, and an introduction into 3D SolidWorks software.

Drafting Design Technology 40S (Grade 12)

The 40S course offers the next level of Architectural design involving a house and utilizing SolidWorks 3D software and Cubepro 3D printing software to design and create objects.

Drama 30S/40S (Grade 11/12)

Have fun and receive credits! Drama is a fun filled, action packed, hands-on course which allows students to express themselves in new creative ways. This course aims to increase students' awareness of the elements of drama and to allow them to expand their understanding of the drama experience. These experiences provide students with opportunities to become self-motivated, self-confident, and self-disciplined learners. Some of the essential understandings of this course are teamwork, trust, respect, and creative expression. This course leaves students with memorable experiences and close multi-grade friendships that last long after the course is over.

English Literary Focus

The Literary Focus courses emphasize knowledge and skills related to the craft of writing, as well as literary analysis.

English Literary Focus 30S (Grade 11)

Students will use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve and enhance the quality of their own writing. This course also provides students with an opportunity to further develop reading, listening, and speaking skills.

English Literacy 40S (Grade 12)

We will look at models of strong writing, with two purposes, to discover what makes it "good," as well as considering what we can use from that writing in our own writing. Both creative and academic writing will be discussed. This course is recommended for students who would like to strengthen their writing for post-secondary purposes.

Foods and Nutrition 30S/40S (Grade 11/12)

In the Grade 11/12 Foods and Nutrition courses provide students with knowledge and skills that have immediate relevance to their lives, as well as lifelong applications personally, within families, in their communities, and on a global scale. Students will explore food safety and food-borne illnesses through the completion of the Food Safe Level 1 Training exam, qualifying them to earn their Food Handlers Certificate. Students will also focus on local and international foods, exploring the foods, traditions, and religious dietary laws of different cultures in Canada and around the world. They will also explore special occasion foods and entertaining with food, planning meals as part of a menu for special events and occasions. Students will also explore post-secondary opportunities and careers that are related to the food industry.

French: Communication and Culture

In the more senior French courses, there will be a continued focus on developing oral fluency; therefore, many activities will incorporate prepared presentations or spontaneous conversation.

French 30S (Grade 11)

Students will begin to learn how to express their opinions on a wide variety of topics with some lead-in teaching and preparation time. Students will review basic verb and grammar structures from French 20G and learn new ones such as Plus-que Parfait, Future Antérieur and Conditionnel Passé. Students will develop the ability to produce more complex language structures than in previous French courses.

French 40S (Grade 12)

Students can expect to learn how to express their opinions and thoughts on varied topics more spontaneously than in previous years. Students will review basic verb and grammar structures from French 30S and learn new ones such as the Subjonctif, Participe Passé and Participe Présent.

Global Issues: Citizenship and Sustainability 40S (Grade 12)

This course seeks to guide students to acquire knowledge and understanding and think critically about our complex and changing world. In doing so, we will learn to participate in local, national, and global communities. We will also build self-knowledge and be conscious of connections to nature and society, and learn to live peacefully with others and to care for our common homeland.

Interactive Media 35S (Grade 11)

The purpose of the course is to provide students with the skills and knowledge to create interactive media products that combine video, audio, and interactive components. Prior to taking the course, students should have skills in creating audio and video and an understanding of the media production process. Students will plan, develop, and publish an interactive media project.

Jazz Studies Program 30S/40S (Grade 11/12)

Jazz Studies is a full credit course that runs at each grade level for the entire school year. These classes are mixed-grade and bring students from all four years together in a common ensemble. Students in the jazz ensembles have the opportunity to perform a number of times throughout the year including at all concerts and at the annual Brandon Jazz Festival. They learn musical language specific to the jazz idiom and history while developing improvisation skills and a more advanced listening ability. Those wishing to play in the jazz ensembles must be enrolled in the concert band program. All jazz ensemble classes occur outside of the school day schedule, held at various times including before and after school.

Metalworking 30G/40S (Grade 11/12)

The Metalworking Courses in grade 11 and 12 focus on teaching moderate to advanced metal working processes and developing skills in areas of metalworking such as machining, welding, project planning, and engineering. These skills are developed through designing and creating a project of the student's choice from start to finish, experiencing all aspects of a build. Much of the content is a continuation of the knowledge taught in the grade 10 program and continues to develop a further understanding of metalworking industries techniques, safe work procedures and practices, and metal sciences.

Music Leadership 30S/40S (Grade 11/12)

Music Leadership is a practical-experience course that provides students the opportunity to learn in depth about the various elements of leadership in music settings, both educational and professional. In this course students will begin to develop a personal philosophy on music leadership, develop basic tone and pitch skills on four core instruments, learn and develop conducting skills, explore various leadership models, begin to explore professional and community music organizations, and develop basic pedagogy and mentorship skills to support younger music students.

Peer interaction and mentorship at both the high school and local early/middle schools is a significant part of this course. Hands-on experience putting new understanding to use is key to this learning experience. Each progressive grade level will focus more deeply on the skills and concepts outlined here.

Music Production 31G/41G (Grade 11/12)

Music Production is an introductory course designed to give students the basic skills needed to be creative in a recording environment. No previous music background is required to take the course. Students will use a digital audio workstation to learn about basic song structure, arrangement techniques, music editing, mixing, and composing with MIDI. This course will allow students to work both individually and in small groups to create music of their own preference.

Physics

Physics uses mathematics to explain and predict interactions between matter and energy. Physics challenges us to formulate explanations for the behaviors we see in the world around us.

Physics 30S (Grade 11)

Topics include:

- Waves – Waves in One and Two Dimensions, Sound
- The Nature of Light – Models, Laws, Theories, Wave and Particle Models of Light
- Mechanics – Kinematics, Dynamics
- Fields – Gravitational, Electric, and Magnetic Fields, Electromagnetism

Recommended prerequisite: Introduction to Pre-Calculus and Applied Mathematics 20S

Physics 40S (Grade 12)

Physics 40S expands upon the concepts introduced in Physics 30S. The topics include:

Mechanics – Kinematics, Dynamics, Projectile Motion, Circular Motion,
Impulse and Momentum, Work and Energy

Fields – Universal Gravitation, Electric and Magnetic Fields

Electricity – Electric Circuits and Electromagnetic Induction

Medical Physics – Use of Radiation for Imaging and Treatment of Disease

Recommended Prerequisites: Physics 30S and Pre-Calculus 30S or Applied 30S Math

Physical Education – Exercise Science 40S (Grade 12)

This course is designed to provide students with an in-depth study into the science of human performance. The human body's physiological systems are a complex interconnected framework between the brain and nervous system. The purpose of this course is to give students a 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, human anatomy, fitness testing, injury treatment and prevention, and nutrition to develop a greater understanding of how the interaction between the brain and nervous system leads to mastery in high performance activities.

Physical Education - Leadership 41G (Grade 12)

Physical Education Leadership 41G course is designed to allow students to take a leadership role in their school and community. It is divided into a theory section and practical section that will expose students to a wide range of sport related areas.

Activities will include:

- Co-ordination of intramurals or tournaments
- Completion of the “Respect in Sport” course
- Teaching a skill to peers, including teaching of the skill and a related game
- Logging 40 volunteer hours in an activity you don’t normally do

Topics included:

- Basic athletic training techniques
- Fair Play Rules
- Role of a coach
- Safety
- Legal liability of an activity leader
- Communication and presentation skills.

Psychology 40S (Grade 12)

This course enables each student to understand the scientific study of human 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 among people.

Studying psychology gives students lifelong skills such as dealing with issues proactively, solving problems, learning, and nurturing healthy relationships. It helps students understand themselves, and deal with issues in their own lives such as inner conflicts, relationships with parents and peers, and intimacy. It also helps students understand societal problems like drug dependency, aggression, and discrimination.

Visual Arts

The overarching goal of the visual arts curriculum is to support, nurture, and inspire the growth of every student as a young artist and as an artful learner. Course objectives will be achieved through creative projects.

Art 30S (Grade 11): Students will explore and depict the Masters, adding their own creative expression. Projects will include graphic design, classic water colour application, mixed media and appreciating art in context.

Art 40S (Grade 12): Students will learn how to value the artistic experience. Students will analyze, reflect on, and construct meaning in response to their own and others’ visual art. Students will have opportunity to engage in community collaborative art projects.

Woodworking

Woodwork Technology 30G (Grade 11)

Woodwork Technology 30S is directed to the student who is very interested in the craft of woodworking. A thorough operational and safety review of all major machinery and WHMIS is conducted. A drafting unit starts the course to review measurement and teach more advanced drafting and design processes to aid students in their project manufacturing. Computer design and programming is integrated with this unit. Students will then go through the ShopBot CNC router table and related design software. 3D printing and 3D design is available for those students who wish to delve into the realm of automated design and manufacturing. The remainder of the course looks at the areas of fine woodworking - lamination, face plate/bowl turning on the wood lathe, and small case good construction (end table, shelf, coffee table). Advanced joinery, wood processes, and finishing techniques are studied and used. Self-guided projects are also done - time and individual skill set permitting.

Woodwork Technology 40S (Grade 12)

Woodwork Technology 40S is an advanced program for students to further their woodworking skills. The majority of the course is spent on individualized project work. All students go through a review on the safe operating procedures of all tools and equipment as well as WHMIS retraining. The first main project to reacquaint students with the shop involves Shop/School Improvement. This work is usually done in groups and revolves around something to make the shop or school or community better. The second project involves creating and manufacturing an actual project with the ShopBot CNC Router Table. Students will then work on their own individual projects. These could include fine woodworking, manufacturing processes using fiberglass, composites, plastics, and upholstery products, boat building/refinishing, furniture construction, small residential construction (garden shed/ ice fishing shack), or whatever the student desires.