

Gimli High School

Grade 11 / 12

Student Registration Guide 2010/2011



Box 1260 Gimli, MB R0C 1B0
Phone (204) 642-8546 Fax (204) 642-5063
www.esd.mb.ca/schools/ghs/
Evergreen School Division

Introduction

Students should discuss course choices with teachers, counselors, parent(s)/guardian(s) and their teacher-advisor. Individual choices should be based on ability, interests, study commitment level and aspirations. Plan carefully. It is not advisable to register with the intention of dropping courses or changing course levels at a later date. Course assignment is based on the courses initially requested. It is also course selection which determines the timetable.

What information is given in this book?

This handbook provides the following information:

- general information about the school
- information to assist in course selection
- outlines of graduation requirements
- a summary of the registration process
- program and course descriptions
- post-secondary school requirements

With the help of your parent(s)/guardian(s), counselors and teachers, we encourage you to use this book as a reference to choose the best program of studies. We hope that your commitment to education will result in a very rewarding and personally gratifying high school experience.

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, and is taken daily for one semester. Similarly, a half credit is defined as a course of study comprising of 55-60 hours of instruction, and is taken every other day for one semester.

The minimum required credits for Grade 12 graduation is 30 for a Manitoba Diploma. To receive the Evergreen School Division Diploma students are required to obtain 32 credits with a Skills Portfolio.

Course Codes

The coding system is created by Manitoba Education and Youth. The first two characters of the code are digits and the third is a letter.

Example:

- Mathematics 10F (MAT10F) – Grade 9, 1 credit, foundation
- English 20S (ENG20S) – Grade 10, 1 credit, specialized
- Band 30G (BAN30G) – Grade 11, .5 credit, school developed, general
- Mathematics 45S (MAT45S) – Grade 12, .5 credit, specialized

FIRST CHARACTER

- digit indicates the course level (Grade 9, 10, 11 or 12)

SECOND CHARACTER

- digit indicates the credit value for courses developed by Manitoba Education and Youth
- “0” = one credit
- “5” = 0.5 credit
- “1” indicates a school developed, division approved course
- “2” indicates courses developed elsewhere and approved by Manitoba Education and Training

THIRD CHARACTER

- letter represents one of the following designations:

S – Specialized courses are designed to provide background for further studies beyond the Senior Years (e.g. university, college, apprenticeship)

G – General courses are designed to provide a general approach and are appropriate for all students (these courses may lead to further studies beyond the Senior Years)

F – Foundation courses are designed to provide a general approach and are appropriate to all students using the new curriculum frameworks

M – Modified courses are intended for students with special needs (specific cognitive disabilities)

No Manitoba Education regulation will prevent a student from taking a designated course in one senior year and then switching to a different designation in a later year; however, students should realize that there is uniformity between some course levels. If you move between course levels you may not have the background required to master a higher level course, especially in languages, science and mathematical subject areas. Consider recommended prerequisite requirements.

Compulsory Courses

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

Optional Courses

In addition to the compulsory courses, optional courses must be selected, to obtain a minimum of 30 credits for grade 12 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 2009-2010 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>social studies</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>social studies</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 education</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		social studies		physical education/health		Grade 11		Compulsory Subject Areas (4 credits)		language arts (English)		mathematics		social studies		physical education/health		Grade 12		Compulsory Subject Areas (3 credits)		language arts (English)		mathematics		physical education/health education		<p>Optional 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) • basic French • other second languages • the arts <ul style="list-style-type: none"> - visual arts - music - drama - dance • physical education • health education • skills for independent living • technology education <ul style="list-style-type: none"> - vocational education - home economics - business and marketing - industrial arts • others as organized by the school
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																																																			
social studies																																																			
physical education/health																																																			
Grade 11																																																			
Compulsory Subject Areas (4 credits)																																																			
language arts (English)																																																			
mathematics																																																			
social studies																																																			
physical education/health																																																			
Grade 12																																																			
Compulsory Subject Areas (3 credits)																																																			
language arts (English)																																																			
mathematics																																																			
physical education/health education																																																			
<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 optional 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 optional 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 optional credits may vary. 																																																			

Note: Manitoba Education, Citizenship and Youth (MECY) recently mandated two new Physical Education/Health Education (PE/HE) courses at grades 11 and 12 as a result of recommendations flowing from the *Healthy Kids, Healthy Futures* Task Force Report. This change will bring Manitoba Senior Years graduation requirements to 29 credits for those students graduating in 2008/2009 and to 30 credits for those students graduating in 2009-2010 and beyond.

CHECKLIST

GRADUATION REQUIREMENTS FOR THE SENIOR YEARS ENGLISH PROGRAM

In 2009-10, 30 credits entitle students to a provincial high school diploma.

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

COMPULSORY CREDITS							GRADUATING 2010-2011 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
COMPULSORY CREDITS SUB-TOTAL:							17
OPTIONAL CREDITS							GRADUATING 2010-2011 AND BEYOND
List courses:	Gr.9	Gr.10	Gr.11*	Gr.12*			
√ Check off as credit is achieved							
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
OPTIONAL CREDITS SUB-TOTAL:							13
TOTAL PROVINCIAL GRADUATION REQUIREMENTS:							30

*At least one optional credit must be at the Grade 11 level and two optional 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 and have an employability skills portfolio.

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).

Students will receive diplomas at the graduation ceremony.

School Programs

From grades 1-8 students do not earn credits. At Grade 9, students begin to earn credits, requiring 30 credits to graduate at the conclusion of Grade 12. Four school programs are offered in Manitoba.

A school program is a set of courses leading to one of the following school diplomas:

- High School Diploma (English)
- High School Diploma (Senior Years Technology Education Program)
- Diplome d'études secondaires (Français)
- High School Diploma (French Immersion Program), diplome d'études secondaires (programme d'immersion français)

Attaining one of the four school diplomas requires satisfactory completion of 30 credits including Compulsory and Optional subject areas.

High School Diploma

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 languages studied.

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 Optional Credits from Grade 9 to Grade 12. At least one optional credit must be at the Grade 11 level and at least two Optional credits must be at the Grade 12 level. Optional 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

Post Secondary Requirements

Students seeking entrance to a University or College, or any post-secondary education should be guided in their choice of subjects by the requirements of the institution or program that they intend to enter. Graduation with a Department of Education High School standing does not itself guarantee admission to post-secondary education. It is the responsibility of students to ensure that they are registered in the courses that will give them the standing desired.

The following are the general entrance requirements to the University of Manitoba, the University of Winnipeg, and Red River College. Specific faculty and program requirements differ. Students should consult a guidance counselor or refer to the institution's calendar or website.

University of Manitoba

website: www.umanitoba.ca/u1

Admissions

Manitoba high school graduation with five full credits at the Grade 12/Senior 4 level, in courses designated S (Specialized), G (General) or U (Dual Credit – University), with a minimum of three of these credits is S or U courses and Completion of ONE of the following sets of requirements:

Set A:

One credit of Grade 12/Senior 4 S or U English with a minimum grade of 60% and a minimum average of 70% over three Grade 12/Senior 4 S or U credits.

Set B:

One credit of Grade 12/Senior 4 S or U English with a minimum grade of 60% and a minimum average of 63-69% over three Grade 12/Senior 4 S or U credits (limited admission).

Set C:

A minimum average of 70% over three Grade 12/Senior 4 S or U credits but lacking the Grade 12/Senior 4 S or U English requirement (limited admission).

University of Winnipeg

website: www.uwinnipeg.ca

Admissions

Entrance Requirements for admission to the Faculties of Arts, Science, and Business and Economics

In order to qualify for Regular Status Admission, students must meet the following requirements:

- Be a high school graduate with standing in at least 30 Manitoba high school credits, or hold a Mature Status Diploma and have completed the courses required for Regular Status Entry
- Have completed five credits at the Grade 12 level, designated A, S, or G (of which three must be 40S courses)
- Present a minimum one credit of core English 40 (A or S level) and one credit of Mathematics 40S (Pre-Calculus, Applied, or Consumer)
- Have an average of at least 65% on the best three 40S courses including both core English 40 (A or S level) and Mathematics 40S credit from a different subject area

Please note that students applying for entrance to the Faculty of Education require two credits of core English 40 (A or S level) OR one credit of core English plus Pre-Calculus Mathematics 40S.

Red River

website: www.rrc.mb.ca

Each program has specific entrance requirements. Most programs look for one or a combination of the following credits:

- Grade 12 English (one or more 40S credits)
- Grade 12 Mathematics (some programs accept Consumer Math)
- Some may require one or more Grade 12 Science (Biology, Chemistry, Physics)

If you are a high school student, you may apply for any certificate or diploma program at the start of your Grade 12 year. Students are selected on a “first come, first served” basis, therefore it is important to apply early. See a guidance counselor as early as possible or contact the institution.

Other Universities and Colleges

Other institutions across Canada and U.S. have somewhat different requirements. Students should check with a counselor or the institution.

Compulsory Courses

English Language Arts 30S 0092

The study of the English Language Arts program 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. This course will be based on the general outcomes of the 30S ELA Framework. Each outcome is to be achieved through a variety of listening, speaking, reading, writing, viewing and representing experiences.

Students will listen, speak, read, write, view and represent to:

1. explore thoughts, ideas, feelings and experiences
2. comprehend and respond personally and critically to oral, literary and media texts
3. manage ideas and information
4. enhance the clarity and artistry of communication
5. celebrate and build community

A variety of skills and strategies will be taught in order to meet these outcomes. Students will read a variety of texts which shall include Fahrenheit 451, Deathwatch, Macbeth, short stories and poetry. Written assignments will include responses, poetry analysis, persuasive and expository essays, projects and a multi-genre essay.

Mathematics: (students must complete at least one of the following courses)

Applied Mathematics 30S 3903

Applied Mathematics 30S was designed in response to changing mathematical requirements. The increased use of technology in society, the way in which information is communicated, and the manner in which young people process information are examined. Technology offers the tools and information that students need to explore mathematical connections in the real world. Students must have a good understanding of mathematical concepts and be prepared to do homework. Topics covered in this course include: 1. Graphs, 2. Non-Linear Functions, 3. Linear Systems, 4. Linear Programming, 5. Finance, 6. Circles, and 7. Measurement.

Consumer Mathematics 30S 3904

This course is a continuation of the grade 10 curriculum.

{In order to meet the challenges of society, high school graduates must be mathematically literate. They must understand how mathematical concepts are involved in daily life, business, industry, government, and our thinking about the environment. They must be able to use mathematics not just in their work lives, but also in their personal lives as citizens and consumers.

Senior 3 Consumer Mathematics has been designed to meet these challenges for those who may not use advanced abstract mathematics in their careers, but who, nevertheless, will be consumers and active citizens. They also will need to develop their cooperative, interactive, and communicative skills.} ?

TOPICS COVERED

- | | | | |
|----|----------------------------------|----|-------------------------------|
| A. | Problem Analysis | B. | Analysis of Games and Numbers |
| C. | Relations and Formulas | D. | Income and Debt |
| E. | Data Analysis and Interpretation | F. | Measurement Technology |
| G. | Owning and Operating a Vehicle | H. | Personal Income Tax |
| I. | Applications of Probability | | |

Pre-Calculus Mathematics 30S 3939

This is a continuation of Pre-Calculus Math 20S. It is designed for students who intend to study Calculus and related mathematics at the post secondary level.

Topics include:

- Quadratic Functions
- Trigonometry
- Algebra
- Analytic Geometry
- Geometry
- Consumer Math
- Logic/Proof
- Functions

Recommended Prerequisite: Pre-Calculus Math 20S

Canadian History 30S 0040

The grade 11 curriculum is designed to examine the historical development of Canada, with a focus on social and political history. This is an intense and fast moving course, attempting to encompass all of Canadian history in 20 short weeks. This course is taught in six units:

- The Peopling of Canada from its Beginning to the Present
- Life in French and British Societies to 1867
- Canadian Government and the Roles of Federalism, Political Parties, and the Individual
- The Effect of New Technology and the Resulting Industrialization on Economic and Social Change in Canada since 1850
- Western Canada and its Regional History
- Canada's Changing External Relationships, Past to Present

Physical Education / Health Education 30F 0169

30F: Active Healthy Lifestyles

This compulsory one-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 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. These topics will make up the core 30% IN-class component of the course content. Students will be required to develop and implement the remaining 70% of the course on their own time in a personal physical activity plan as part of the physical activity practicum. 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 a credit for this course, 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.

NOTE: 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.

Elective Courses

Agriculture 30S (Web CT On-line Course) 0201

Importance of Agriculture

Agriculture is a very important activity in Manitoba. It is a primary producer of the foods we consume in Manitoba and has significant economic impact. Agriculture is linked to many other industries within the province, including plant and animal processing, and the production of medicine, clothing, building materials, and numerous other products. Materials such as fuels, herbicides, and machinery are needed to run agricultural operations, as are services including veterinarian services, financial planning, and many others.

Agriculture is not limited to those directly involved in the provision of related services. Every Manitoban is a consumer of foods, medicines, and clothing, and therefore is influenced by agriculture.

Overview

This course provides information about agriculture in Manitoba. Agriculture involves many different dimensions and draws upon the knowledge base of a variety of disciplines. The study of agriculture provides us with knowledge and understanding of agricultural processes, and is also useful in providing information related to career choices. Senior 3 Agriculture examines historical perspectives of agriculture in the province, as well as present concerns and trends. The past, present, and future of agriculture are an important part of this course as they relate to Manitoba's economy, social and cultural development, consumer habits, and politics.

Art 30S 0202

Prerequisite: None

Fee: Amount TBA to cover costs of some supplies

The Grade 11 course provides an opportunity for students to explore and develop their artistic and creative interests using a wide variety of art media and techniques. Students will be introduced to the Elements and Principles of Art and explore how they relate to drawing, painting, sculpture and composition in general. Wherever possible, art from other cultures and from the past will be looked at to encourage a wide ranging perspective of artistic expression.

Band 30S 3953

Band 30S is a full credit course that runs for the entire school year and the class is made up of students in Band 30S and Band 40S. While building on the skills developed in Band 20G, students develop musicianship through the practice and performance of technique and expressive playing within a number of musical styles. Many students from the band program have gone on to study music at the post secondary level in the areas of performance, education, composition, and related fields such as recording technology.

Students are required to participate in all scheduled performances including the winter and spring concerts, the Optimist Festival, and other local performances.

Band is offered on a pull-out basis which allows for flexible scheduling while giving students a full choice of other electives.

Biology 30S 0124

In Biology 30S, the focus is upon life-long understanding of our bodies and how to keep them well. It goes beyond the former focus upon human anatomy and physiology to the development of personal wellness awareness, skills and behaviours.

The units to be covered are:

- Unit 1 – Wellness and Homeostasis
- Unit 2 – Digestion and Nutrition
- Unit 3 - Transportation and Respiration
- Unit 4 - Excretion and Waste Management
- Unit 5 - Protection and Control

Prerequisites: Science 10F and Science 20F.

Career & Technology Studies (CTS)

The Career Technology Studies (CTS) strategy is designed to support students in pursuing their unique passions as part of regular high school programming. Students can earn up to 8 credits toward graduation by participating in CTS Pathways which may include Internships and Apprenticeships with sponsors in the community. The CTS strategy is designed to be flexible to meet the needs of each individual student and is intended to allow students to explore their interests as opposed to being strictly about preparation for the work force. CTS is about accessing the strengths of our communities and allowing students to be present in hands-on, meaningful learning experiences. The CTS strategy can look very different for each student and is planned in co-operation with Parents, Students, GHS Staff, and Community Sponsors. Although the CTS strategy is primarily designed for Grades 11 and 12 students, all students at GHS are eligible to participate. Please contact Mr. Tyler Moran, GHS coordinator, by telephone at: 642-8546 or by email at: tmoran@esd.mb.ca for more information about this exciting opportunity.

Chemistry 30S 0122

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. This course is a very heavy course but labs are an important part of the material covered. Topics covered in this course include: 1. Physical Properties of Matter, 2. Gases and the Atmosphere, 3. Chemical Reactions, 4. Solutions, 5. Organic Chemistry.

30S Creative Writing Course

This full credit course is designed for students who enjoy writing. It will give students the time to develop their own writing in a workshop setting. Every class students will participate in writing exercises and mini lessons which will increase their skill in the qualities of good writing such as organization, altering the writer's style to suit his audience and purpose and the use of figurative language. Students will have the opportunity to write creatively within different structures such as short stories, poetry, scripts, blogs and song lyrics etc. Students will experiment with the following genres: mystery, thriller, science fiction and fantasy. Writing will be infused with technology. Students will share their work and conference on blogs and wikis. Assessment and feedback will be ongoing. The final project will be a portfolio which will showcase your best work.

Drama 30S 0322

Students will:

- acquire increased knowledge and understanding of others, themselves and the world around them
- develop self-confidence, self-discipline and self-motivation
- acquire understandings and abilities in group processes
- develop an understanding of the processes and elements involved in creating works of dramatic art
- develop acting skills
- exercise critical thought and support opinions when responding to dramatic presentations
- understand the role of drama in various cultures, past and present.

Drama 30S

This intermediate course continues to emphasize the elements of drama and extends the experience to interpreting scripts and literature.

French 30S 0403

Prerequisite: Successful completion of French 20G (or instructor permission)
No Practicum Required

Course Description: Students will review basic verb and grammar structures from French 20G and learn new ones such as Plus-que Parfait and Conditionnel Passé. This is a theme-based course and students will participate in speaking, listening, reading and writing activities within the chosen theme. Students will develop the ability to produce more complex language structures than in previous French courses. At this level, there will be an increased focus on developing oral fluency; therefore, many activities will incorporate prepared presentations or

spontaneous conversation. There will be several opportunities to interact in French outside of the classroom.

Physics 30S 0123

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

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

Prerequisite: Pre-Calculus 20S or Applied 20S is recommended

Clothing Housing and Design 30G/40S 1109

1 Credit Course. This course is offered on a rotational basis.

This course will focus on interior design and housing. Students will explore the wants and needs of a home owner as well as designing accessories for their home. They will design a house using Google Sketch UP.

Family Studies 30S/40S 1118

1 Credit course. This course is offered on a rotational basis.

Family Studies is designed for students who are interested in entering the fields of teaching, social work, health care and/or any other helping professions.

The focus of the course is to help students understand the aging process. Students will study the development of adolescents and the changes which occurs physically, mentally, socially and emotionally.

Tourism 30S 8830

Prerequisite: Tourism and Travel 20S

Tourism and Travel 30S is the second course of three which leads to the Canadian Academy of Travel and Tourism Certificate (CATT). Students may also take this course without committing to the CATT Certificate.

Tourism is one of the fastest growing industries in Canada and tourism is expected to increase substantially in Manitoba in the next few years. The tourism sector employs over ten percent of the Canadian labour force. It is expected that by 2015, over two million people will be working in the Canadian tourism sector.

Tourism 30S builds on Tourism 20 and continues to explore various aspects of the tourism sector. The students also learn skills which are not only related to tourism but also in every area of employment.

In order to complete the CATT Certificate, students must include 100 hours of work placement, the tourism career workshop and a service excellence certificate.

Metalworking 30G (MTT 30G) 7980

This is a full credit course that moves further into metalworking. Added topics include oxy-acetylene cutting and machining. Students are encouraged to select and design more challenging projects which often include aspects of mechanics as well. There is no prerequisite held for this course. Students new to the topic are also welcome.

Auto Mechanics (AUT 30G) 7965

This is a full credit course which introduces students to the automobile and its various operational systems. It is intended for both the everyday consumer and those with an interest in working in this huge and varied career area. Topics include the automobile engine and all of the power train components. Students will participate in theory lessons and many hands-on overhauls completed in the lab. There is no prerequisite and lesson begins with a review of basic small engine operation.

Woodworking Technology (MFT 30G) 7990

At the grade 11 level students are allowed to build their own projects provided that they can be completed in the given period of time. They are now old enough to be trained to use the lathe, table saw and dado saw. After a safety test the students are taught face framing, drawer construction and cabinet assembly. After additional training in drafting, students submit a set of plans and bill of materials before they may begin the project. At this level students are expected to help each other and submit high quality products.

Recommended Prerequisite: Woodworking Technology – 25G

Broadcast Media 35S 0231

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 (news, sports, entertainment...). The course includes technical aspects of media production for the web, radio, and television. Students will create and edit announcer copy for an audio broadcast; record sound files; edit sound files using hardware and software tools to add and create desired effects; create and edit announcer copy and stage directions for a video broadcast; record video files and edit video files using hardware and software tools to add and create desired effects; and create audio and video clips for broadcast via a web page.

Interactive Media 35S 0237

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 interactive media.

This course is offered in conjunction with Broadcast Media.

Web Design 35S 0234

The purpose of this course is to expose the students to the principles of good visual design elements, and to provide them with the skills and knowledge to design, develop, and publish a simple website for a target audience. This course is offered in conjunction with Interactive Websites.

Interactive Websites 35S 0225

The purpose of this course is to provide students with the skills and knowledge to design, develop, and publish a website to display and gather information. The students will discuss content management system, style sheets, client scripts, publish a website (using HTML and website software) and critique and suggest improvements for a website, using given criteria.

Required Courses

English Language Arts 40S Comprehensive Focus 0092

The study of the English Language Arts program 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. This course will be based on the general outcomes of the 40S ELA Framework. Each outcome is to be achieved through a variety of listening, speaking, reading, writing, viewing and representing experiences.

Students will listen, speak, read, write, view and represent to:

1. explore thoughts, ideas, feelings and experiences
2. comprehend and respond personally and critically to oral, literary and media texts
3. manage ideas and information
4. enhance the clarity and artistry of communication
5. celebrate and build community

A variety of skills and strategies will be taught in order to meet these outcomes. Students will read a variety of texts which shall include Angela's Ashes, Lord of the Flies, Hamlet, short stories and poetry. Written assignments will include responses, a memoir, projects and analysis of poetry and media selections.

Term marks are worth 70% of the course and the provincial exam written in January is worth 30% of the course.

Mathematics: (students must complete at least one of the following courses)

Applied Mathematics 40S 3903

Applied mathematics was developed as a response to an increased need for students to be able to solve problems in a variety of ways. The emphasis is on collaborative explorations and encouragement of alternative solutions. Using technology (computers) to solve problems & express mathematical concepts while making connections between mathematics, technology and the world around us. Students are required to complete extensive projects providing opportunities for them to both learn mathematics in useful, practical, applied problem solving situations, in addition to students having the opportunity to demonstrate their knowledge & skills. Math is taught whereby the students have to think about & discover many of the concepts through exploration utilizing computers in both projects and daily work. The student is seen as an independent, self-reliant learner & the teacher's role is one of being more of a facilitator than only a provider of information. Topics include: Probability, Sequences, Statistics, Matrices, Vectors, Periodic Functions, Personal Finance, Design & Measurement. Prerequisite: A mark of 65% in either Applied Math 30S or PreCalculus 30S

Consumer Mathematics 40S 3904

In order to meet the challenges of society, high school graduates must be mathematically literate. They must understand how mathematical concepts are involved in daily life, business, industry, government, and our thinking about the environment. They must be able to use mathematics not just in their work lives, but also in their personal lives as citizens and consumers.

Consumer Mathematics has been designed to meet these challenges for those who may not use advanced abstract mathematics in their careers, but who, nevertheless, will be consumers and active citizens. They also will need to develop their cooperative, interactive, and communicative skills.

The Consumer Mathematics curriculum emphasizes number sense, consumer problem solving, and decision making.

Students develop valuable knowledge and skills that will allow them to make informed decisions as they become independent citizens. The Consumer Mathematics curriculum addresses financial management, career exploration, home ownership and maintenance, as well as more traditional topics such as trigonometry and statistics. The following table identifies the topics addressed in the Senior Years Consumer Mathematics curriculum:

*Problem Analysis	*Analysis of Games and Numbers
*Personal Finance	*Design and Measurement
*Government Finances	*Statistics
*Investigative Project	*Career/Life Project
*Investments	*Income Tax
*Variation and Formulas	*Completing a Portfolio

Pre-Calculus Mathematics 40S 3939

Grade 12 Applied Mathematics (40S) 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.

Primary goals of Applied Mathematics are to have students develop critical-thinking skills through problem solving and model real-world situations mathematically to make predictions. Technology is an integral part of both learning and assessment in Applied Mathematics. Graphing calculators, spreadsheets or other computer software will be used by students for mathematical explorations, modeling, and problem solving.

40 F: Personal Wellness

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 their futures. Students will study topics related to fitness management, nutrition, sexual health, social/emotional health, and personal development. The focus of this content will be on health and personal planning. These topics will make up the core 30% IN-class component of the course content. For the remaining 70% of the course, students will be required to develop and implement, on their own time, a personal physical activity plan as part of a physical activity practicum. Students will be introduced to risk management planning to minimize the associated risks of the activities they have chosen.

As part of earning a credit for this course, 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.

NOTE: 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.

Elective Courses

Grade 11 Accounting Principles 30S 1 credit - Online Course 0200

This course introduces students to the standard principles and concepts that govern the practice of accounting.

The course is structured as follows:

- Module 1: Introduction: Accounting Principles
- Module 2: The Income Statement
- Module 3: Journals and Ledgers
- Module 4: The Worksheet
- Module 5: Cash Control
- Module 6: Merchandising Business
- Module 7: Payroll
- Module 8: Income Tax: Uncle Sam?

Advanced Placement English Literature and Composition 42S 0015

AP English Literature and Composition is designed to be a college/university-level course. This course will provide you with the intellectual challenges and workload consistent with a typical undergraduate university English literature/Humanities course. As a culmination to the course, you will take the AP English Literature and Composition Exam given in May.

Course Goals

1. To carefully read and critically analyze imaginative literature.
2. To understand the way writers use language to provide meaning and pleasure.
3. To consider a work's structure, style, and themes as well as such smaller scale elements as the use of figurative language, imagery, symbolism, and tone.
4. To study representative works from various genres and periods (from the sixteenth to the twentieth century) but know a few works extremely well.
5. To understand a work's complexity, to absorb richness of meaning, and to analyze how meaning is embodied in literary form.
6. To consider the social and historical values a work reflects and embodies.
7. To write focusing on critical analysis of literature including expository, analytical, and argumentative essays as well as creative writing to sharpen understanding of writers' accomplishments and deepen appreciation of literary artistry.
8. To become aware through speaking, listening, reading and chiefly writing of the resources of language: connotation, metaphor, irony, syntax, and tone.

Art 40S 0202

1 credit course

Prerequisite: None

Fee: Amount TBA to cover costs of some supplies

The Grade 12 course places a strong emphasis on the personal and original presentation of ideas and themes through the exploration of a wide range of art media and techniques. Major units will include an intensive drawing unit exploring various approaches to drawing from realistic, expressive to abstract. Students will also be introduced to cubist, futurist and post-modern theories of art. The use of a sketchbook as a 'visual journal' of personal ideas, reflections and themes will be ongoing and collected for periodic assessment. As well, students will develop a portfolio of their finished work that will be evaluated at the end of each unit. Wherever possible, art from other cultures and from the past will be studied to encourage a wide ranging perspective of artistic expression.

Band 40S 3953

Band 40S is a full credit course that runs for the entire school year and the class is made up of students in Band 30S and Band 40S. While building on the skills developed in Band 30S, students develop musicianship through the practice and performance of technique and expressive playing within a number of musical styles. Many students from the band program have gone on to study music at the post secondary level in the areas of performance, education, composition, and related fields such as recording technology. Students are required to participate in all scheduled performances including the winter and spring concerts, the Optimist Festival, and other local performances. Band is offered on a pull-out basis which allows for flexible scheduling while giving students a full choice of other electives.

Biology 40S 0124

Biology 40S is comprised of the following units:

Genetics

- Understanding Biological Inheritance
- Mechanisms of Inheritance

Biodiversity

- Evolutionary Theory and Biodiversity
- Organizing Biodiversity
- Conservation of Biodiversity

Chemistry 40S 0122

Chemistry 40S is a specialized course which should allow students to develop a better understanding of the basic principles of chemistry. Through critical thinking, problem solving, and hands-on lab work, students should be better prepared for our scientifically literate society and should 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

Transactional English 40S (On-Line) 0094

This course focuses on the study of the effective use of information based language. The course will focus on reflective reading and responding to texts such as books, magazines, newspaper articles, documentaries and reports dealing with events in the real world. Students engage with and create texts that inform, persuade, analyze, and foster understanding and empathy.

French 40S 0403

Prerequisite: Successful completion of French 30S (or instructor permission)

No Practicum Required

Course Description: Students will review basic verb and grammar structures from French 30S and learn new ones such as the Subjunctive and Past infinitive. This is a theme-based course and students will participate in speaking, listening, reading and writing activities within the chosen theme. At this level, there will be an increased focus on developing oral fluency; therefore, many activities will incorporate prepared presentations or spontaneous conversation. After having laid a solid basic foundation, this course takes French study to the next level with increased speaking ability. There will be several opportunities to interact in French outside of the classroom.

Interdisciplinary Topics in the Sciences 40S 0140

Lake Winnipeg – A Watershed Perspective

In this full-credit course, students will develop and demonstrate an understanding of water systems and sustainability, focusing upon Lake Winnipeg and its vast watershed. Students will be engaged in both classroom and field study activities in order to gain an appreciation of the natural world, locally, nationally and globally, and humankind's influences upon it. Students' interests, current issues and/or recognized essential areas of inquiry will determine the specific topics and content.

There is no formal final examination for this course. Assessment will take a variety of forms.

Topics:

Water Quality

Watersheds

Land/Water Uses in Lake Winnipeg Watershed

Stakeholders

Sustainability Perspectives

Health and Research of Lake Winnipeg

Jazz Band Program 30S/40S 3941

At the start of the school year band students may audition for placement in the Intermediate or Senior Jazz Band. All students who complete the audition process at a proficient level will be placed in either band. Unlike the Intermediate Jazz Band, the Senior Jazz Band is usually limited to strict instrumentation (i.e. 4 trumpets, 4 trombones, 5 saxophones, and 4 or 5 rhythm section players). Students in the jazz bands have the opportunity to perform a number of times throughout the year including all concerts and the annual Brandon Jazz Festival.

Those wishing to play in the jazz bands must be enrolled in the concert band program. Jazz band is scheduled outside of the school schedule with rehearsals held at various times including before and after school and lunch times. Students completing a year of jazz band receive a half credit.

Law 40S (Online) 0580

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.

Physical Education Leadership 41G Classroom 9916

Physical Education Leadership 41G-C 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 life-long sport related areas. Students are required to do at least 10 hours of leadership to complete this course.

COURSE OUTLINE – THEORY

- Introduction
- Role of the coach- coaching certification course done online
- Event Management
- Safety and Legal Liability
- Basic Athletic training
- Intramural and interschool tournament scheduling and set-up
- Fair play and Code of Ethics
- Research and write up a lesson plan on how to teach: an activity, game, or skill – see practical component below.
- Heart Rate Monitors
- Fitness and Training Principles
- Fitness Plan for yourself
- Certification course in CPR

Physics 40S 0123

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

Prerequisite: Physics 30S. Pre-Calculus 30S or Applied 30S is recommended.

Psychology 41G 9938

Psychology 41G is designed as a first year university course. Topics include motivation, development, personality, learning, sleep/dreams, social, abnormal psychology, and other topics chosen by students. Psychology is an exciting subject that will contribute a lot to your life. When you study Psychology, you will learn many facts, theories and applications of psychological information that will give you a good understanding of what Psychology is. Many of these concepts are interrelated and you will be able to see their application to your every day life. You will gain a better understanding of your own behavior and the behavior of others. This course will help you to make better decisions concerning what you want to do and why other people behave as they do.

Social Justice 12

This is an exciting new elective course focusing on a wide variety of social justice issues. This school initiated course will move students through three stages of social engagement. Initially, awareness of social justice issues is developed as students begin to explore SJ issues from various perspectives. Next, students analyze SJ issues to gain a more thorough understanding of them. Finally, students pick specific issues to focus on and develop their own personal action plans for making change in an area they feel passionate about. In this way, they progress from awareness to analysis and action on a social justice topic of their choice.

The course is an excellent opportunity for students to become agents of change regarding relevant social justice issues that affect their lives and communities. Registration will be open to grade 11 and 12 students, with priority given to grade 12s.

Sociology 41G 9933

Sociology is the science that studies human behavior. This course will be an introduction to the basic concepts; theories and methods of sociology. In this course students will:

1. develop their “sociological imagination” and use it to examine social issues
2. understand that sociologists do not look at things of which others are unaware, rather they look at everyday things in different ways
3. exercise critical thinking skills to analyze the social world we experience everyday

Students will study the following units:

- 1.Culture and Social Structure
- 2.The Individual in Society
- 3.Social Inequality
- 4.Social Institutions

5.The Changing Social World

History 40S - Western Civilization 1136

Western Civilization is designed to help students understand that Canadian society and other Western societies evolved and were shaped by complex movements and events. In this course students will discover how major concepts apply to the development of Western civilization during different periods in time.

Unit One: Pre-Modern Western Civilization

Unit Two: The Reformation and Absolutism versus Representative Government

Unit Three: The Age of Reason, and the emergence of Revolutions

Unit Four: The Twentieth Century

World Issues 40S (On-Line) 1179

The major goals of the grade 12 World Issues curriculum are to help students gain a better understanding of quality of life in various parts of the world in terms of:

- different political and social systems
- major world geo-political organizations & the potential of conflict among them
- the international organizations promoting cooperation and peaceful solutions
- the role of the media in shaping our perceptions of what the world issues
- the differing perceptions of basic human rights in various parts of the world
- the conflict between the struggle for peace and the threat of war resulting from the growth of militarism and the presence of nuclear weapons in the world
- the use of terrorism by groups to achieve certain goals
- Quality of Life Issues
- Genocide; both past and recent

Clothing Housing and Design 30S/40S 1109

1 Credit Course.

This course is offered on a rotational basis.

This course will focus on clothing and the application of colour and texture to fabrics. Students will use various methods to apply colour and texture to fabrics, learn about textiles and fashion and complete various sewing projects.

Family Studies 30S/40S 1118

1 Credit course.

This course is offered on a rotational basis.

Family Studies is designed for students who are interested in entering the fields of teaching, social work, health care and/or any other helping professions.

The focus of the course is to help students understand the aging process. Students will study the development of adults from young adults to the elderly and the changes which occurs physically, mentally, socially and emotionally. They will observe the changes in the family and living conditions in the various periods of adulthood.

Foods and Nutrition 40S 1119

1 Credit course

This course will contain both a theory and practical component. The theory will include: Safety and Sanitation, Recipe Development, Cultural and Ethnic Foods and Nutrition for the various lifestyles.

Apprenticeship 40S

This is a special option for grade 11 and 12 students. Starting in grade 11, the Senior Years Apprenticeship Option allows students to earn high school credits for time spent in on-the-job training and employment as an apprentice. The participant, as a student, completes core academic subjects including Math, and Language Arts at the grade 11 and grade 12 level while working as an apprentice. Up to eight (8) credits are available in grade 11 and 12 in the apprenticeship program (110 hours = 1 credit).

At the completion of grade 12, the student would graduate and continue the completion of their Apprenticeship. After continuation of school and work in the trade the individual would earn a 'Certificate of Qualification' in his or her trade.

The challenge of getting into an Apprenticeship program is finding an employer who needs an apprentice. Normally, apprenticeship candidates would be well known to the host/ employer. Where this is not the case, candidates should consider a Management Skills 40S internship placement as a means of demonstrating their aptitude and commitment to training in a particular occupation.

Unlike other work experience opportunities, apprenticeship allows students to earn a salary while they complete their high school. The Apprenticeship Branch determines the salary paid by employers.

This model provides a cost-effective way to develop highly skilled and productive employees. An industry-driven initiative, apprenticeship sets standards for skills in a wide variety of trades through industry advisory groups. More information regarding registration for this option is available through the office of the Counselor or the school-based CTS coordinator.

Management Skills 40S 8833

Management Skills 40S is a course designed to provide community based internship experience to Grade 11 and 12 students. Participants are asked to complete a pre-employment portfolio prior to engaging in an internship with a chosen community sponsor. Internships are not limited to specific trades and can be tailored to meet the interests of each participant. Participation in this course is a prerequisite for any students wishing to begin a Senior Years Apprenticeship Program or to earn additional credits through community based internships. Flexible scheduling allows this course to be completed at times agreed upon by the student and the community sponsor. Internship experience can occur during the school day or outside of school hours

Metalworking 40S (APM40S) 7980

This is a full credit university entrance course that applies to Honours graduation diplomas as well. Concepts of design are stressed with advanced projects often including things like self-contained hydraulic log splitters or motorized go carts. Students with an interest in trades areas or the engineering faculty should consider this course.

Applied Power Mechanics (APM 40S) 7997

This is a full credit university entrance course that applies to honours graduation diplomas as well. As the name suggests, it is all about application of mechanical principles. Students spend the first few classes with the instructor designing their course activities which often include auto engine or transmission rebuilds or repair of mechanical things eg. lawn mowers, snowmobiles, dirt bikes, etc. It is very much a hands-on course that allows the student to further their knowledge and experience in the areas of mechanics that held his or her interest.

Wood Applied Technology 40S (WAT40S) 7997

In this grade 12 course students learn advanced furniture construction, intricate joinery and finishing techniques. After another safety test students can create their drawings and bill of materials for their final project. At this level the maximum shop time to complete the project is allowed. If the students show an interest wood bending techniques will be taught to enhance project design. Students in this course realize that furniture construction can be a great vocation or avocation in their future.

Prerequisite: Woodworking Technology – 30G

Video Productions 41G 9954

The **purpose** of this course is to provide students with:

- the skills and knowledge to convey a message through an original digital image. Students are to learn not only how to use digital cameras and imaging techniques, but also to create compelling digital stories.
- the skills and knowledge to tell stories by combining sound, still images, moving images, text, graphics, and animation into a video product. Students will plan, develop and produce video project(s).
- an understanding of all phases of the media production process (pre-production planning, production, and post-production) from a variety of perspectives. Students will plan, develop and broadcast multimedia.