

SANFORD COLLEGIATE COURSE BOOK



2017 - 2018

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RED RIVER VALLEY SCHOOL DIVISION

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Introduction

Welcome to Sanford Collegiate, a Grade 9 to Grade 12 high school. Sanford Collegiate is committed to the pursuit of excellence and to providing a safe and enriched educational community which encourages life-long learning and social responsibility. Our reputation for academic excellence is related to the commitment of teachers and students, the support of the community, and programs which challenge students to maximize their potential for growth.

Sanford Collegiate has devised its timetable to best serve course requirements and the needs of our students. We operate using a semester system. The daily schedule is composed of 5 – 66 minute classes, 3 in the morning and 2 in the afternoon. In order that no class be overly affected by assemblies, morning announcements, or early dismissal for school events, the 3 morning classes rotate, and the 2 afternoon classes alternate.

Students should discuss course choices with teachers, school counselors, parent(s)/guardian(s) and their teacher. 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.

Choosing Courses

What is a credit?

A credit is defined by Manitoba Education 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 required number of credits for Grade 12 graduation is 30 credits. Students must take a minimum of nine credits in Grade 9; a minimum of eight credits in Grade 10; and attain a minimum of five credits in both Grade 11 and Grade 12. Remaining credits are optional credits selected by the student.

Course Codes

The coding system is created by Manitoba Education. 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 20F (ENG20F) – Grade 10, 1 credit, foundation
- Jazz 35S (JZZ35S) – Grade 11, .5 credit, specialized
- 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, Department approved course
- “2” indicates courses developed elsewhere and approved by Manitoba Education

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. Sanford Collegiate also mandates some compulsory courses in grades 9 and 10.

Optional Courses

In addition to the compulsory courses, optional courses must be selected, to obtain a minimum of 30 credits 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.

HIGH SCHOOL GRADUATION

Graduation from high school requires 30 credits. Of the necessary credits some are mandated by the Department of Education while others are required by Sanford Collegiate.

Department of Education Compulsory Courses			
Grade 9	Grade 10	Grade 11	Grade 12
English 10F	English 20F	One of: English 30S Literary English 30S Comprehensive	One of: English 40S Literary English 40S Comprehensive English 40S Transactional
Math 10F	One of Math 20S Essential Math 20S Intro. to Applied /Pre Calculus	One of: Math 30S Essential Math 30S Applied Math 30S Pre-Cal	One of: Math 40S Essential Math 40S Applied Math 40S Pre-Cal
Social Studies 10F	Geography 20F	History 30F	
Science 10F	Science 20F		
Physical Education 10F	Physical Education 20F	Physical Education 30F	Physical Education 40F

Sanford Collegiate Compulsory Courses

ICT15F KEY25S	Life Work Planning 20S	Plus one or more options	Plus two more options

It is important for students and parents to note that various career choices for post-secondary study require specific courses to be part of a student's graduation plan. It is the responsibility of the students and the parents to ensure that these requirements are met. Please work closely with our School Counselors from Student Services in planning for any post-secondary studies.

COURSE PLANNER 2017-2018

ACADEMIC PROGRAM (Minimum 30 credits required for graduation)										
Grade 9	English 10F	Math 10F	Science 10F	Social Studies 10F	Physical Education 10F	ICT/KEY 15F/25S	Option	Option	Option	Option
Grade 10	English 20F	Math	Science 20F	Geography 20F	Physical Education 20F	Life Work Planning 20S	Option	Option	Option	Option
Grade 11	English	Math	Canadian History 30F	Physical Education 30F	Option	Option	Option	Option	Options	Option
Grade 12	English	Math	Physical Education 40F	Option	Option	Option	Option	Option	Option	Option

Technical Vocational Programs

Manitoba Institute of Trades and Technology (MITT)

Programs are available to Sanford Collegiate students upon completion of Grade 10. Students who enroll in a technology program are required to take their required academic courses at Sanford Collegiate. They usually attend MITT half days for technology courses and Sanford Collegiate for academic courses during the other half day. **Students interested in attending MITT must speak to a counselor in Student Services at least one year in advance.** Placement at MITT depends on seat availability, school board approval, payment of a \$500 refundable deposit (upon program completion) and the student's readiness to participate in a program outside of Sanford Collegiate.

Programs offered to high school students include the following:

- Auto Mechanics
- CAD Technician
- Carpentry
- Culinary Arts & Design
- Electrical Applications
- Graphic & Print Technician
- Hairstyling
- Industrial Electronics
- Industrial Mechanics/Millwright
- Industrial Welding
- Motorsport Technician

High School Apprenticeship Program (HSAP)

Students who attend Sanford Collegiate may enroll in the High School Apprenticeship Program.

Starting in Grade 10, the HSAP allows students to earn high school credits for time spent in on-the-job training and employment as an apprentice. The student would also complete the core academic courses, including mathematics and language arts (English). After graduation, the individual may continue in training and employment with the employer and within a few years earn a certificate of qualification in the trade.

Registration Steps

1. Determine compulsory courses you must take.
2. Choose the level of instruction you should take (i.e. General, Specialized).
3. Check that prerequisite recommendations are met.
4. Choose option courses. (A program of 9 credits is required in Grade 9 and a minimum of 8 credits is required in Grade 10.)
5. If seeking post-secondary admission, choose subjects according to the requirements of the faculty or school you plan to enter.
6. If you choose to attend MITT in Grade 11 you must register with a Sanford Collegiate counselor at the beginning of Grade 10.
7. Read and sign the Code of Conduct.
8. Complete the registration form and check that all the required information has been given (i.e. course code, record number and credit value).
9. Review the form with a parent or guardian and have it signed.
10. Students enrolling at Sanford Collegiate for the first time are required to pay a non-refundable \$50.00 registration fee to be submitted with registration forms.
11. Specifics regarding submission of forms will be highlighted at time of course selection.

Time Lines

- Registration takes place in February through April.
- **It is very important to choose the proper courses the first time around, as the timetable is created based on student need.**
- Because students register before the end of the school year, some changes may be necessary in the course selections.
- It is the responsibility of students to have their programs changed if they must repeat or replace a course.
- Student timetables will be mailed in August.
- There is a Course Change session held in the Fall before classes commence for the upcoming year.
- Course changes are allowed in the first two weeks of each semester, subject to administrative approval.
- Voluntary withdrawal from courses in each semester is 1 week following Parent-Teacher interviews.

Grade 9 Course Study Chart

Compulsory Subject Areas	Course Code	Credit Value
English Language Arts	ENG10F	1
Mathematics	MAT10F	1
Science	SCI10F	1
Social Studies	SOC10F	1
Physical Education	PED10F	1
*ICT15F/Keyboarding 25S	ICT15F/KEY25S	1

Optional Credits – choose a minimum of 3 credits and a maximum of 4 credits from the following:

Band	BND10S	1
Clothing, Housing and Design	CHD15G	0.5
Choral	CHR15S	0.5
Drama	DRMA10S	1
Foods and Nutrition	FNU15G	0.5
French	FRE10F	1
Futures in Business/Start Your Own Business	BUS15G/BUS25G	1
Introduction to Metals Technology	MET15G	0.5
Introduction to Power Mechanics	POW15G	0.5
Jazz	JZZ15S	0.5
Physical Education	PED11G	1
Visual Arts	VAR10S	1

* Sanford Collegiate Compulsory Requirements

NOTE: Futures in Business/Start Your Own Business and Information & Computer Technology /Keyboarding are half credit courses that are combined to total one credit for the Grade 9 year.

SANFORD COLLEGIATE
COURSE SELECTION FORM – GRADE 9
2017-2018

NAME: _____

	COURSE NAME	COURSE LEVEL	CREDIT VALUE
1.	ENG	10F	1
2.	MAT	10F	1
3.	SCI	10F	1
4.	SOC	10F	1
5	PED	10F	1
6.	ICT/KEY	15F/25S	1

OPTIONAL CREDITS:

Please **check (√)** a minimum of **3 credits** and a maximum of 4 credits from the following courses.

_____	BND	10S	1
_____	CHD	15G	0.5
_____	BUS	15G/25G	1
_____	CHR	15S	0.5
_____	DRMA	10S	1
_____	FNU	15G	0.5
_____	FRE	10F	1
_____	JZZ	15S	0.5
_____	MET	15G	0.5
_____	PED	11G	1
_____	POW	15G	0.5
_____	VAR	10S	1

Grade 10 Course Study Chart

→Choose 1 course for each of the compulsory subject areas when there are multiples listed.

Compulsory Subject Areas	Course Code	Credit Value
*Life Work Planning	LWP20S	1
English Language Arts	ENG20F	1
Geography	GEO20F	1
Mathematics		
Essential	MAT20SE	1
Intro. to Applied & Pre Calculus	MAT20SI	1
Physical Education	PED20F	1
Science	SCI20F	1

Optional Credits – choose 2 – 4 credits from the following:

Band	BND20S	1
ICTII/Print Communication	ICT15FI/PCM25S	1
Choral	CHR25S	0.5
Clothing, Housing & Design	CHD25G	0.5
Digital Filmmaking/Digital Pictures	DGF25S/DGP25S	1
Drama	DRMA20S	1
Essential Mathematics	MAT20SE	1
Family Studies	FAM25F	0.5
Foods & Nutrition	FNU25G	0.5
French	FRE20F	1
History	HIST20G	1
Introduction to Applied Math & Pre-Cal	MAT20SI	1
Introduction to Metals Technology	MET25G	0.5
Introduction to Power Mechanics	POW25G	0.5
Jazz	JZZ25S	0.5
Retailing	RET20S	1
Visual Arts	VAR20S	1

*** Sanford Collegiate Compulsory Requirements**

NOTE: Information & Communication Technology I /Print Communications are half credit courses that are combined to total one credit for the Grade 10 year.

Grade 11 Course Study Chart

→ Choose 1 course for each of the compulsory subject areas where there are multiples listed.

Compulsory Subject Areas	Course Code	Credit Value
English Language Arts		
Comprehensive Focus	ENG30SC	1
Literary Focus	ENG30SL	1
Mathematics		
Applied Mathematics	MAT30SA	1
Essential Mathematics	MAT30SE	1
Pre-Calculus Mathematics	MAT30SP	1
Physical Education		
Active Healthy Lifestyles	PED30F (Co-Ed)	1
Active Healthy Lifestyles	PED30F (Female)	1
Social Studies		
Canadian History	HIS30F	1

Optional Credits – choose 1 – 6 credits from the following:

Accounting Principles	ACC30S	1
Applied Mathematics	MAT30SA	1
Applied Metals Technology	MET30S	1
Automotive Power Mechanics	POW30S	1
Band	BND30S	1
Biology	BIO30S	1
Chemistry	CHE30S	1
Choral	CHR35S	0.5
Clothing, Housing & Design	CHD30S	1
Digital Filmmaking/Digital Pictures	DGF25S/DGP25S	1
Drama	DRMA30S	1
English - Comprehensive Focus	ENG30SC	1
English - Literary Focus	ENG30SL	1
Essential Mathematics	MAT30SE	1
Family Studies	FAM30S	1
Foods and Nutrition	FNU30S	1
French	FRE30S	1
Jazz	JZZ35S	0.5
Physics	PHY30S	1
Pre-Calculus Mathematics	MAT30SP	1
Visual Arts	VAR30S	1

Grade 12 Course Study Chart

→ Choose 1 course for each of the compulsory subject areas where there are multiples listed.

Compulsory Subject Areas	Course Code	Credit Value
English Language Arts		
Comprehensive Focus	ENG40SC	1
Literary Focus	ENG40SL	1
Transactional Focus	ENG40ST	1
Mathematics		
Essential	MAT40SE	1
Applied Mathematics	MAT40SA	1
Pre-Calculus Mathematics	MAT40SP	1
Physical Education		
Active Healthy Lifestyles	PED40F (Co-Ed)	1
Active Healthy Lifestyles	PED40F (Female)	1

Optional Credits – choose 2 – 7 credits from the following:

Accounting Systems	ACC40S	1
Advanced Mathematics/Calculus	MAT45S/CAL45S	1
Applied Mathematics	MAT40SA	1
Applied Metals Technology	MET40S	1
Applied Power Mechanics	POW40S	1
Band	BND40S	1
Biology	BIO40S	1
Chemistry	CHE40S	1
Choral	CHR45S	0.5
Clothing, Housing & Design	CHD40S	1
Configuring Systems	CSY40S	1
Essential Mathematics	MAT40SE	1
Drama	DRMA40S	1
English - Comprehensive Focus	ENG40SC	1
English - Literary Focus	ENG40SL	1
English - Transactional Focus	ENG40ST	1
Family Studies	FAM40S	1
Foods and Nutrition	FNU40S	1
French	FRE40S	1
Game Design & Development	GDD40S	1
Global Issues: Citizenship & Sustainability	GLO40S	1
History	HIS40S	1
Jazz	JZZ45S	0.5
Law	LAW40S	1
Life Work Transition	LWT40S	1
Physics	PHY40S	1
Pre-Calculus Mathematics	MAT40SP	1
Psychology	PSY40S	1
Visual Arts	VAR40S	1

Fine Arts

Visual Arts

VAR10S 1 Credit

Basic Elements and principles of art related to artistic design will be the focus of this course. Using a variety of sources for creating art, techniques used in drawing, watercolour, pencil crayon, pastel, pen and ink, etc., will allow students to generate their own work as well as develop an understanding about people, practices and perspectives from the world of visual arts. Students will also learn to personally connect to their and other's art experiences. There will be a fee charged.

Visual Arts

VAR20S 1 Credit

Students will develop competencies for using visual art media, tools, techniques and processes while experimenting with and developing ideas for creating art. Relationships between visual arts in multiple contents will help the student critically observe and describe art experiences. There will be a fee charged.

Visual Arts

VAR30S 1 Credit

The goal of this art program is to develop visual art literacy through visual awareness, art appreciation and art production. Design, media techniques, history and culture of art will be studied to provide background for students before creating their own art. As well, through analyzing and interpreting a variety of art experiences, the young artists will develop an understanding about the role and purpose of art. There will be a fee charged.

Visual Arts

VAR40S 1 Credit

Advanced design, experimental media works and continued drawing experiences all students at this level to choose an area from which they would like to specialize. Focus will be on constructing meaning about art experiences through making informed judgements in order to understand and respect different interpretations and opinions regarding art. There will be a fee charged.

Band

BND10S 1 Credit

This program continues on with skills and techniques learned in the Grade 8 program. Band promotes a co-operative learning environment with a high level of thinking and problem solving.

Band

BND20S 1 Credit

This course continues with the development of skills and techniques learned in Band 10S.

Band

BND30S 1 Credit

This course continues with the development of skills and techniques learned in Band 20S.

Band

BND40S 1 Credit

This program is the culmination of approximately eight years in a band program. There will be some organizational responsibilities of a music group and some conducting incorporated in this course.

Choral

Everyone who likes to sing is welcome to join the choir. Students will learn a wide variety of choral music as they prepare for concerts. Vocal techniques, performance skills and musical literacy (including solfege) will be taught.

CHR15S .5 Credit

CHR25S .5 Credit

CHR35S .5 Credit

CHR45S .5 Credit

Drama

DRMA10S 1 Credit

This course is for students with or without experience in the performing arts. Each student works at his or her own level with no comparison to other members. We explore dimensions of theatrical self-expression through lecture, discussion, activities and games. Interaction involves imagination, creativity and cooperation. Group co-operation, relation to others and self-awareness will be enhanced by speaking and performing alone and together before the class as audience.

Drama

DRMA20S 1 Credit

This course aims to develop your awareness of the drama elements of relaxing/energizing, concentration, focus, seeing, listening, movement, speech, and acting so that you can participate in and understand the drama experience. Group co-operation, relation to others and self-awareness will be enhanced by speaking and performing in class. Also, character study and analysis followed by performance (monologues, dialogues, scenes) will be a focus of this course.

Drama

DRMA 30S 1 Credit

This course is a continuation of the grade 9 and 10 experience and an overview of drama basics such as voice, facial expression, body movement, characterization, script analysis, staging, costuming and make-up. Class will consist of activities such as relaxation, techniques, theatre games, improvisation, voice, and acting techniques.

Drama

DRMA40S 1 Credit

This course is meant for students who intend to take a theatre course at university. We will continue the study of movement, characterization, script analysis and staging and other elements of the drama experience. We also study some full length plays seen as classics of the dramatic form. A group project is a big part of this course.

Jazz

An intermediate level jazz band where students will learn about jazz and its many traditions and styles. This class meets one evening/lunch hour per week for sixty minutes or during a scheduled class, depending on the enrolment numbers. Jazz ensemble members do not have to participate in concert band to take this class.

JZZ15S .5 Credit

JZZ25S .5 Credit

JZZ35S .5 Credit

JZZ45S .5 Credit

Business & Technology Education & Career Exploration

Futures in Business/Start Your Own Business

BUS15G/BUS25G 1 Credit

This course provides students with an introduction to Entrepreneurship (the act of identifying opportunities and using resources to operate or create a business). They will learn to become a more enterprising person, to view problems as opportunities and then generate and test their own ideas to meet those opportunities. They will also have a chance to create their own business. This course involves lots of group discussions and research projects. Class participation is of the utmost importance.

Retailing

RET20S 1 Credit

In today's global marketplace, consumers have many choices as to where to buy the products they want. In this course, students will examine the impact of retailing on consumers' choices and gain insight into marketing strategy. Practical skills such as purchasing and pricing inventory, store promotion, and customer service will also be learned. This course is ideal for students with an interest in the business world as well as for students seeking to prepare for a part-time job in retail.

Accounting Principles

ACC30S 1 Credit

This course is designed to provide a thorough introduction of fundamental accounting principles, concepts and procedures. Through the use of written exercises (using Simply Accounting and Excel) the complete accounting cycle will be covered.

Accounting Systems

ACC40S 1 Credit

The aim of this advanced course is to continue to develop, with a logical and careful approach, the accounting principles with application exercises, projects and the computer. Excel and Simply Accounting are used throughout this course. This enables the student to acquire a sound basis for a vocation in the field of accounting or acquire knowledge for personal use.

Recommended Prerequisite: ACC30S

Law

LAW40S 1 Credit

The general aim of this course is to expose students to the principles of law. Topics include: criminal law, drinking and driving laws, torts, contracts, and civil rights. A field trip to the law courts and speakers will enhance student learning. Class discussion is a big part of this class.

Applying Information & Communication Technology / Keyboarding

ICT15F/KEY25S 1 Credit

This course will be taught in accordance with both the English Language Arts curriculum and the Applying Information and Communication Technology curriculum. Throughout the course, students will have the opportunity to use technology for communication and analysis. Using a variety of software applications, they will create documents for personal and academic purposes. Students will be taught keyboarding technique which will allow them to improve their speed and accuracy. There will be an emphasis on the appropriate and ethical use of technology at Sanford Collegiate.

**Information & Communication
Technology I / Print Communications**
ICT25FI/PCM25S 1 Credit

This course is designed to reinforce and extend the knowledge of Microsoft Office 2013. This will include Word, Publisher, and Access. Ethics and acceptable use of technology at Sanford Collegiate will be emphasized.

Recommended Prerequisite: **ICT15F/KEY25S**

Configuring Systems
CSY40S 1 Credit

Created from the internationally recognized A+ Certification Program, this exciting course takes you on a journey through the interior of a Personal Computer. Through the first part of the course students will learn the various hardware components, as well as computer construction. The second component of the course focuses on installing and troubleshooting common operating systems including Microsoft, Linux, and MAC systems. This lab driven course has no prerequisite.

Digital Filmmaking/Digital Pictures
DGF25S/DGP25S 1 Credit

These two half credits combine together to teach students how to take creative and effective pictures and video. Learn from basic to advanced settings and modes of a camera through these hands-on courses. Be prepared to go out into the field regularly to gather your shots. Major assignments include a digital portfolio of your work and music video. There is no prerequisite to this course.

Game Design & Development
GDD40S 1 Credit

This course takes students through the processes of designing and creating video games. Students will work with several different programming methods including BBC Basic through to Game Maker (object

oriented). This course also covers creating sprites, and audio creations as part of the resources for our games. Assessment is process driven with students creating many different games on their own based on information learned in each module of the course. Final assessment is a major game project due at the end of the course.

Life Work Planning
LWP20S 1 Credit

This course is intended to improve personal management by exploring how to build and maintain a positive self-image along with dealing with change and growth throughout one's life. Students will also participate in life/work goal planning and discover how to secure and maintain work. Students will also explore the balance between life and work roles and how to interact positively and effectively with others.

Life Work Transition (Leadership)
LWT40S 1 Credit

This course is available to Grade 12 students and consists of a 55 hour practicum and 55 hours of theory. The practicum areas include student involvement in activities such as 4-H Club, student council, community and/or church volunteer work, military, athletics, and coaching. The theory segment consists of instructional modules on leadership and communication skills, time management, group dynamics, conflict management, job shadowing, public speaking, and the development of a personal leadership and skills portfolio. Students must be prepared to attend class, conferences and workshops offered before, during and after school hours.

Languages

English

English Language Arts

ENG10F 1 Credit

This course is designed to nurture the development of the six language arts – reading, writing, listening, speaking, viewing and representing – through a wide variety of texts and assignments. Shakespeare as well as the study of film will help students further understand the connection between necessary English skills and the real world.

English Language Arts

ENG20F 1 Credit

This compulsory course is designed around the central themes of Tolerance, Persuasion, and Manipulation. Students will use a variety of materials including novels, short stories, videos, poetry, and essay writing to enhance their critical thinking skills.

Prerequisite: **ENG10F**

English Language Arts: Comprehensive Focus

ENG30SC 1 Credit

This course develops a range of literacy skills that are involved in both practical and creative uses. Students engage with and compose texts that inform, persuade, analyze and foster understanding and empathy as well as explore properties of language used in communicating information and points of view. 50% of the texts used are literary i.e. short stories, poems, novels and plays. Other texts used for composition and study are transactional i.e. newspaper and magazine articles, reports, editorials and other non-fiction sources.

Prerequisite: **ENG20F**

English Language Arts: Literary Focus

ENG30SL 1 Credit

This course develops a range of literacy skills that are involved in creating and analyzing texts. As readers, poets, fiction writers, playwrights and actors, students explore and compose texts which range from free writing, and response journals to scripts, poetry, short stories and novels. 70% of the texts used are literary i.e. short stories, poems, novels and plays, 30% of y are transactional i.e. newspaper and magazine articles, reports, editorials, non-fiction of all kinds. Book clubs are a key element in this class.

Prerequisite: **ENG20F**

English Language Arts: Comprehensive Focus

ENG40SC 1 Credit

This course develops a range of literacy skills that are involved in both practical and creative uses. 50% of the texts used are literary i.e. short stories, poems, novels and plays. 50% of the texts used are transactional i.e. newspaper and magazine articles, reports, editorials, non-fiction of all kinds.

Compulsory provincial ELA standards test.

Recommended Prerequisite: **ENG30SL or ENG30SC**

English Language Arts: Literary Focus
ENG40SL 1 Credit

This course provides students with opportunities to enrich their lives through literary texts. As listeners, readers and viewers, students move imaginatively into the worlds created by texts, and deepen their appreciation of language. The texts students explore and compose range from response writing, scripts, poetry, short stories and novels. As much as 70% of the texts used are literary i.e. short stories, poems, novels and plays. As much as 30% of the texts used are transactional i.e. non-fiction. Book clubs are a key element of this class.

Compulsory provincial ELA Standards test.
Recommended Prerequisite: **ENG30SL**

English Language Arts: Transactional Focus
ENG40ST 1 Credit

This course develops a range of literacy skills involved in understanding and creating practical texts. Students study and compose texts that inform, persuade, analyze, and foster understanding and empathy and they study and practice communicating information and different points of view. 70% of the texts are transactional (i.e. non-fiction) up to 30% of the texts used are literary (fiction).

Compulsory provincial ELA Standards test.
Recommended Prerequisite: **ENG30SLF or ENG30SC**

French

French: Communication and Culture
FRE10F 1 Credit

This course is a continuation of the middle years program. The course focuses on the four basic aspects of language acquisition which are speaking, reading, writing and listening. This course forms a foundation for continued studies in French at the Senior Years level.

Recommended Prerequisite: **FRE GR.8**

French: Communication and Culture
FRE20F 1 Credit

Emphasis is placed on conversation and self-expression using an interactive, communicative approach. Students are introduced to advanced grammatical structures in order to enhance conversation ability and fluency. Topics may include: sports, arts and culture, and relationships.

Recommended Prerequisite: **FRE10F**

French: Communication and Culture
FRE30S 1 Credit

A continued emphasis is placed on reading and encouraging conversational French in the classroom. The acquisition of grammar and writing skills becomes progressively more important at this level. Topics may include: arts and culture, social trends and adolescence.

Recommended Prerequisite: **FRE20F**

French: Communication and Culture
FRE40S 1 Credit

Students will continue using strategies to develop their language acquisition and will be exposed to self-expression via public speaking. Topics may include: education, adulthood, and the future.

Recommended Prerequisite: **FRE30S**

Home Economics

Clothing, Housing & Design

CHD15G .5 Credit

An introduction to the creative world of clothing construction, fashion design, interior decorating and shelter development. Students will practice basic construction techniques used for many garments and texture projects and explore the use of basic sewing equipment from the conventional sewing machine and serger to the use of computerized technology. Students will also have the opportunity to develop skills in wardrobe planning, consumerism and resource management as it pertains to clothing and interior decorating purchases. Students will also develop an understanding of basic fibres and textiles and how they are to be cared for and used for design and aesthetic purposes in one's personal life and home. Lab fee will be assessed.

Clothing, Housing & Design

CHD25G .5 Credit

A continuation of the study of the creative world of clothing construction, fashion design, interior decorating and shelter development. Students will build on their construction techniques and expand their knowledge to include more complex sewing techniques. Students will also have the opportunity to develop skills in the fundamentals of design as well as understanding colour and how it is used. Careers in clothing and textiles will also be explored. Lab fee will be assessed.

Clothing, Housing & Design

CHD30S 1 Credit

Exploration of design through the study of clothing and housing provides students with opportunities to develop a basic understanding of design for use in one's personal and professional life. Students will go more in depth in the topics of fibres and fabrics, as well as fashion design. Basic fashion drawing will be explored as well as fashion, clothing and housing needs around

the world. Sewing projects will be more complex and may include projects for the home. Lab fee will be assessed.

Clothing, Housing & Design

CHD40S 1 Credit

The world of fashion and housing comes to life when the past meets the present. Through research students will explore designers, fashion, clothing and housing throughout the ages. Students will expand on their fashion drawing abilities and create recycled garments. Students will be introduced to the topic of pattern drafting and learn how to create their own patterns. Practical work will include opportunities for students to design their own clothing or housing lines. New skills and technology will be incorporated into the design and construction processes. Lab fee will be assessed.

Family Studies

FAM25F .5 Credit

An introductory child development course which focuses on pregnancy, infants and toddlers. Students study the fundamentals of human development as it pertains to pregnancy and children, roles and responsibilities of caregivers and parent(s)/guardians(s) and the importance of stimulating environments. Each student gains exposure to environments which positively meet the needs of children.

Family StudiesFAM30S 1 Credit

The focus of this course is on preschool and school age children and how they interact with their surroundings. Time will be spent studying the child and his/her progress in the physical, social, emotional and intellectual areas of development. Topics relating to nurturing environments, growth patterns, learning, routines for children and special needs children are addressed. The experience students gain through practicum and activity planning will be beneficial for anyone considering a career with children and families.

Family StudiesFAM40S 1 Credit

This course is an advanced university entrance course. It is currently accepted on the eligible course list at the U of M and U of W. The course material focuses on current issues affecting individuals, groups and families within society throughout the lifecycle. Students will find the course provides excellent background information for introductory psychology and sociology courses required for health care, education, social work and home economics.

Foods & NutritionFNU15G .5 Credit

An introductory course focusing on basic nutrition and how it relates to food choices. The course focuses on eating habits, basic nutrition, food needs and getting the most for the food dollar. The practical food preparation uses kitchen equipment, appliances and utensils commonly found in most households to change every day ingredients into burritos, cream puffs, breads, dough, pasta dishes and stir-fry. Lab fee will be assessed.

Foods & NutritionFNU25G .5 Credit

This course provides students with an understanding of the importance of nutrition and its impact on the individual and health throughout the life cycle. A focus on the Canadian food supply enables students to consider current food practices and issues related to food production and marketing. Students learn about the importance of proper sanitation practices and food selection as they prepare food using various appliances and preparation techniques. Lab fee will be assessed.

Foods & NutritionFNU30S 1 Credit

In this full credit course students will be given the opportunity to study the food needs of people throughout the life cycle. Students will also explore Canada's food supply and the new food trends that are popping up around the world, as well as food marketing. An in depth look at unique Canadian cuisine and heritage will allow students to get to know the country they call home even better. More complex dishes will be created during lab time as well as more complicated techniques. Lab fee will be assessed.

Foods & NutritionFNU40S 1 Credit

The aim of this course is to provide information about food and nutrition which can be used in everyday life. Topics studied are related to health, current trends, global foods and careers. Food is explored from both directions; its scientific significance related to nutrient needs, to the art form of food preparation and presentation. Lab work consists of recipe revitalization, garnishes and food aesthetics, and preparation of foods typical of other parts of the world. Lab fee will be assessed.

Mathematics

Mathematics

MAT10F 1 Credit

This course covers a broad range of Mathematical concepts and is designed to be a basis for which students will choose their stream of Mathematics in grade 10.

Topics covered will include: Powers and Exponents, Number Systems, Linear Functions and Inequalities, Spatial Geometry, Statistics and Probability. This course is compulsory for all students.

Introduction to Applied & Pre Calculus Mathematics **

MAT20SI 1 Credit

This course is intended for students considering post-secondary studies that require a math prerequisite. The course provides a foundation for topics to be studied in both Grade 11 Applied Mathematics and Grade 11 Pre-Calculus. Students will engage in activities that include the use of technology, problem solving, mental mathematics, and theoretical mathematics. The units are divided into three main topic areas: Measurement, Algebra and Number Sense, Relations and Functions.

Essential Mathematics

MAT20SE 1 Credit

This course is intended for students whose post-secondary planning does not include a focus on mathematics or science related fields. The course emphasizes consumer applications, problem solving, decision making and spatial sense. Topics of study include: Personal Finance, Measurement, 2-D Geometry, Trigonometry, Transformations and Angle Construction. Students will work on mathematical concepts and skills encountered in everyday life in a technological society.

Applied Mathematics

MAT30SA 1 Credit

This course is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It is context driven and promotes the learning of numerical and geometrical problem-solving techniques as they relate to the world around us. Topics include: Measurement, Geometry, Logic, Statistics and Relations and Functions. Students will also complete a Mathematics Research Project. Students must purchase a TI-83 graphing calculator (approx. \$130.00).

Recommended Prerequisite: **MAT20SI**

Essential Mathematics

MAT30SE 1 Credit

This course is intended for students whose post-secondary planning does not include a focus on mathematics and science related fields. This one credit course emphasizes consumer applications, problem solving, decision making and spatial sense. Topics of study include: Investments and Money Management, Interest, Statistics, Linear relations, Trigonometry and 3-D Geometry. Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in everyday life in a technological society.

Pre-Calculus Mathematics

MAT30SP 1 Credit

This course is intended for students considering post-secondary studies that require a study of theoretical calculus. The course comprises a high-level study of theoretical mathematics with an emphasis on problem solving and mental mathematics. The topics of study include: Algebra, Quadratic functions, Reciprocal Functions, Absolute Value Functions and Trigonometry.

Recommended Prerequisite: **MAT20SI**

Applied Mathematics

MAT40SA 1 Credit

This course is a continuation of MAT30SA, with emphasis on technical applications of mathematics related to the TI-83 graphing calculator. This course is intended for students considering post-secondary studies that do not require a study of theoretical calculus. Topics include: Exponents and Logarithms, Probability, Combinatorics, Design and Measurement, Investments and Polynomials. Students are also required to complete a research project.

Recommended Prerequisite: **MAT30SA**

Essential Mathematics

MAT40SE 1 Credit

This course is intended for students who do not intend on studying mathematics and science related fields at the post-secondary level. This course emphasizes: Vehicle finance, Statistics, Measurement, Home Finance, Geometry and Trigonometry and Probability. Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in everyday life in a technological society. This course has a compulsory provincial exam.

Recommended Prerequisite: **MAT30SE**

Pre-Calculus Mathematics

MAT40SP 1 Credit

This course is designed for the student who plans to continue mathematics in university, or those who plan to take a technology course at Red River College. Topics studied in this course include: Transformations of Functions, Trigonometric Functions, Polynomial Functions, Trigonometric Equations, Exponential Functions, Logarithmic Functions, Radicals and Rational Functions and Operations on and Composition of Functions. This course has a compulsory provincial exam.

Recommended Prerequisite: **MAT30SP**

Advanced Mathematics/Calculus

MAT45S/CAL45S 1 Credit

The main focus of study in this course is linear algebra (matrices) and Calculus which is designed to prepare students for first year university mathematics. This course is designed for students entering university or community college in the fields of science, mathematics and management. The topics covered are the same as the students will encounter in their first year (non-engineering) math elective, and will include; derivatives, integrals, limits related rates, operations on matrices, determinants and inverses.

Midterm and final exams are compulsory.

Recommended Prerequisite: **MAT40SP**

Physical Education and Health

Physical Education

PED10F 1 Credit

This is a compulsory course that includes activities related to fitness and athletic skill development. Both individual and team skills are presented along with knowledge of rules and concepts that apply to each activity. The health component focuses on general physical health, AIDS education and a family life unit. Health and fitness topics account for 50% of this course.

Physical Education

PED11G 1 Credit

This course is based on achieving/maintaining an active healthy lifestyle. Topics will include: fitness concepts & activities, healthy living, lifetime activities, skill development, current health trends, leadership activities, and family life studies.

Physical Education

PED20F 1 Credit

This is a compulsory course that continues with individual and team concepts and skill development from Physical Education 10G. Fair play, leadership and positive social interaction are emphasized. Health and fitness topics account for 50% of this course.

Physical Education and Lifestyle

PED30F 1 Credit

This compulsory full-credit course is designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and to engage in active lifestyles into their futures. Students will study topics related to fitness management, human anatomy (skeletal), 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 component of the course content. ***For the 2017-18 school year, a female only section will be offered subject to adequate interest.***

As part of earning a credit for this course, students will be required to submit personal fitness information 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.

Physical Education and Lifestyle

PED40F 1 Credit

This compulsory full-credit course is designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and to engage in active lifestyles into their futures. Students will study topics related to fitness management, human anatomy (muscular), athletic therapy, 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 component of the course content. The class component will focus on the components of heart rate monitoring and fitness prescription as it relates to weight training. Students will also learn how to develop workout regimes to assist them in being able to continue exercising throughout their lives. ***For the 2017-18 school year, a female only section will be offered subject to adequate interest.***

As part of earning a credit for this course, students will be required to submit personal fitness information 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.

Industrial Arts

Introduction to Metals Technology

MET15G .5 Credit

This course concentrates on acquiring skills in M.I.G. and oxy-acetylene welding, as well as working with different types of metals. Projects cover a wide variety of processes, and include making two rings and a basketball net. Product design is also a component of this hands-on course. Students are responsible for costs associated with coursework.

Introduction to Power Mechanics

POW15G .5 Credit

This course deals with beginning stages of engine exploration. Starting with 2 and 4 cycle engine theory followed by the dismantling and reassembling of a small internal combustion engine. The student is required to supply a 2 or 4 cycle engine for the practical component.

Introduction to Metals Technology

MET25G .5 Credit

This course moves farther into the different types of welding using skills to produce a variety of complex metal projects. Cold steel, sheet metal layout and construction, and basic blacksmithing are the project areas. Design and problem solving are also key components to the course. Students are responsible for costs associated with coursework.

Introduction to Power Mechanics

POW25G .5 Credit

This course will focus on understanding the different automotive systems. Students will take the theory of how a system works, then put it to use by creating a vehicle built by their group. The areas that will be covered are; steering, suspension, frame, restraint systems, and brakes. If time allows, the vehicle will also be powered by a small engine. The engine work will focus on fuel efficiency, alternative fuels, and basic drive systems.

Applied Metals Technology

MET30S 1 Credit

This course is aimed at those students who want to develop a greater understanding of metal working. Those taking this course can do so for two reasons, the simple enjoyment of creating metal projects, and the pursuit of a career in a metal related field. The projects in this course will be of a higher level, with emphasis placed on welding technique. Projects will be student initiated and of a complex level.

Automotive Power Mechanics

POW30S 1 Credit

This course deals with such topics as clutches, standard and automatic transmissions, drivelines, etc. that are found in our automobiles and light trucks. It also includes light service techniques. Students are responsible for costs associated with coursework.

Applied Power Mechanics

POW40S 1 Credit

This course will cover automobile engine fundamentals, practical motor analysis, tuning and upkeep. Here the student will be able to undertake major projects such as engine rebuilding, engine swaps, complete rewiring, etc. Students are responsible for costs associated with coursework.

Applied Metals Technology

MET40S 1 Credit

This course is based around aluminum machining and complex welding projects. Both are a requirement. About half of the course time will be spent on the lathe and milling machine. The projects in this course will be of a higher level, with emphasis placed on welding technique and machine shop practices. Projects may be student initiated and of a complex level.

Sciences

Science

SCI10F 1 Credit

This is an introductory Senior Years science course. The main units will include: reproduction (biology), atoms and elements (chemistry), nature of electricity (physics), and exploring the universe (astronomy). Formal assessment includes: lab experiments, individual and group projects, quizzes, tests, and a compulsory final exam.

Science

SCI20F 1 Credit

This course continues to prepare students for higher level science courses in the Senior Years. The main units will include: weather dynamics, physics, and ecology. Formal assessment includes: lab experiments, individual and group projects, quizzes, tests, and a compulsory final exam.

Biology

BIO30S 1 Credit

This course, along with Biology 40S, provides a background in biology which is very important to many post secondary areas of study. Biology 30S provides an introduction to the study of living things by investigating many life processes and the chemical nature of life. The emphasis in this course is the study of human anatomy and physiology. Dissections and laboratory work are used to support these investigations.

Biology

BIO40S 1 Credit

This course, in conjunction with Biology 30S, provides a foundation in biology which is very important to many post secondary areas of study. The studies of genetics, biodiversity and ecology make up the majority of this course. Dissections and laboratory work support investigations in these areas.

Recommended Prerequisite: **BIO30S**

Chemistry

CHE30S 1 Credit

This course, along with Chemistry 40S, will provide a foundation in chemistry for many areas of study in post-secondary education. Chemistry 30S will also present explanations for many naturally occurring phenomena. This course consists of five units; physical properties of matter, gases, chemical reactions, solutions and organic chemistry. Formal assessments will include: labs, quizzes and tests

Recommended Prerequisite: **MAT20SP and SCI20F**

Chemistry

CHE40S 1 Credit

This course, along with Chemistry 30S, will provide a foundation in chemistry for many areas of study in post-secondary education. Chemistry 40S will present explanations for more naturally occurring phenomena. This course consists of four units; kinetics, chemical equilibrium, acids & bases and redox reactions. Formal assessments will include: labs, quizzes and tests.

Recommended Prerequisite: **CHE30S and MAT30SP**

Physics

PHY30S 1 Credit

This course, along with Physics 40S, will provide a foundation in physics for many areas of study in post-secondary education. Physics 30S will present explanations for many naturally occurring phenomena. This course consists of four units; waves, light, kinematics and dynamics. The last two units of the course lend themselves to problem solving so a mathematical aptitude would be an asset. Formal assessments will include: labs, assignments, quizzes and tests.

Recommended Prerequisite: **MAT20SP and SCI20F**

Physics
PHY40S 1 Credit

This course, along with Physics 30S, will provide a foundation in physics for many areas of study in post-secondary education. Physics 40S will present explanations for more naturally occurring phenomena. This course consists of four units; mechanics, fields, electricity and medical physics. The course lends itself to problem solving so a mathematical aptitude would be an asset. Formal assessments will include: labs, quizzes and tests

Recommended Prerequisite: **MAT30SP and PHY30S**

Social Sciences

Geography
GEO20F 1 Credit

Students will focus on the issues and challenges of the contemporary world. They will explore the nature of geography and develop skills related to geographical thinking. Students will consider the various geographic issues such as Geographic Literacy, Natural Resources, Food from the Land, Industry and Trade, and Urban Places, in the context of Canada, North America, and the World. This is a compulsory course.

Global Issues: Citizenship & Sustainability
GLO40S 1 Credit

This course will allow students to develop a greater understanding of world issues as they examine the historical, current, and future implications of world issues and analyze the effects of world issues on quality of life within different political, social, and economic systems. Students will explore various perspectives and gain informed opinions on world issues.

History
HIST20G 1 Credit

This is a survey course in American history covering such areas as the colonial period, the American Revolution, development of their political structure and constitution, the War of 1812, slavery, the civil war and reconstruction, the two world wars, Vietnam, the Cold War and American capitalism. Throughout the semester, current American issues are studied.

Canadian History
HIS30F 1 Credit

This course engages students in historical inquiry and asking essential questions to focus on Canada from pre-contact times until the present. Canadian History emphasizes important skills and concepts in historical thinking and focus on five major themes: First Nations, Metis and Inuit Peoples; French-English Duality; Identity, Diversity and Citizenship; Governance and Economics; and Canada and the World.

History: Western Civilization
HIS40S 1 Credit

Students will discover how and why Western civilization societies evolved as well as how Greece and Rome, Judeo-Christian thought, medieval religions and social institutions contributed to the development of Western societies. Students will also learn how the Renaissance, the Reformation, absolutism, and representative government contributed to the development of Western societies and how the Age of Reason, and the political, agricultural, and industrial revolutions influenced the development of Western Civilization.

Psychology

PSY40S 1 Credit

Psychology offers students an opportunity to discover why they behave as they do. The course will be a study of behavior and mental processes. It will expose students to psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Through the study of human behavior and human nature, students will better understand their relationships and themselves.

Social Studies

SOC10F 1 Credit

This course is intended to help students gain a greater understanding of the society in which they live, their roles within that society, and the role of Canada within the world. The focus will involve Canada's demographics, geography and political organization. Students will examine the interaction among the people of Canada and the influence of the land on the development of Canada. They will explore the historical and contemporary complexities that emerge when groups with differing identities and perspective interact with one another.

Personal Interest Credits

Upon completion of specific requirements and presentation of proper documentation, students may claim additional credits. These additional credits are outlined below.

Private Music Option

High school credits approved by the Department of Education as private music options are available through the Conservatory of Canada. Students are encouraged to consult with administration to evaluate their credentials.

Special Credit for Languages

Manitoba high school students may claim special credit for languages not included in the regular high school program. One credit for each language may be granted at each level by the school. In the case of a language not taught in any kind of school setting, certification of competence may be accepted from qualified persons, subject to Departmental approval. Please see a school counselor if more information is desired.

Cadet Training

Manitoba Education and Youth will recognize the recording of up to two credits on a student's transcript for work completed by Manitoba students actively involved in the Manitoba cadet programs. The conditions for recognition are as follows:

- one credit can be recognized on the basis of successful completion of the cadet basic training program.
- An additional credit can be recognized on the basis of successful completion of the cadet advanced training program.
- These two credits will be recognized only as **additional credits beyond the minimum** credits for school graduation.

Independent Study Option (ISO)

An ISO is a course a student works on independently through the Independent Study Branch out of Winkler. A complete listing of courses is available through the librarian. Please see a counselor if more information is desired.

Students who enroll in an Independent Studies Option which is subject to a Provincial Examination at the school level will be required to write the Provincial Exam.

