COURSE HANDBOOK
2021-2022

St. Boniface Diocesan High School
282 Dubuc Street, Winnipeg, MB R2H 1E4
Phone: 204-987-1560; Fax: 204-237-9891

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Mission Statement

Called to assist in the Church's mission of education, St. Boniface Diocesan High School seeks to serve students, parents, and the Catholic community by educating the whole person through quality education in a Christ centered environment.

St. Boniface Diocesan High School gives expression to its mission by:

- Challenging each student to excellence according to individual aptitude and ability.
- Recognizing each student as a unique person destined to achieve his or her God-given potential.
- Providing a family environment of caring and sharing.
- Fostering a community in which it is evident that a loving God lives among us.
- Providing programs designed to nurture the whole student in an atmosphere of faith.
- Helping to develop mature Christians with a vision of hope, a sense of justice, and a commitment to the Church and the global community.
- Providing a discipline system in which students learn to take responsibility for their actions.
- Complementing the efforts of the family in its responsibility for education of the student.

School History

St. Boniface Diocesan High School was established in 1965 to provide Catholic high school education to English speaking students of the Diocese of St. Boniface.

As a "Diocesan" high school, it is operated under direct administration of the Archbishop. Responsibility for the education program, and the day-to-day administration was delegated to the Principal. In 1978, the Archbishop appointed a Rector to manage the affairs of the school. A School Board operated as an advisory body to the Rector who was accountable to the Archbishop.

St. Boniface Diocesan High School had, throughout its history, Marianist Brothers and Priests on staff. Between the years 1986 and 1989, the school operated as a Marianist school with a Marianist Rector. In April 1989, the school was incorporated as St. Boniface Diocesan High School Inc. In structure, the corporation assumed an organization typical of religious organizations that operate schools, hospitals, service organizations, and parishes. This structure is two tiered.

The upper tier is composed of the Archbishop, Vicar General, Financial Administrator of the Diocese, Director, and Chairperson of the Board of Directors. The purpose of this tier is to ensure that the principles of the Church are upheld. It has powers to appoint Directors, approve budgets, by-laws, and make management decisions. The Board of Directors is responsible for full management of the affairs of the Corporation. The Director held the position of chief executive officer and administered the business affairs of the school. In 1994, the position of Director was redefined by the Membership and a Financial Director was hired by, and made accountable to, the Board of Directors for the sole purpose of managing the school's financial affairs. The Board of Directors assumed the responsibility of chief executive officer.

The educational program is delegated to the Principal who is hired by, and accountable to, the Board of Directors. The basic educational program is prescribed by Manitoba Education and Youth, however, the school exercises freedom to determine electives, special services and religion programs. Although the Board holds ultimate decision-making powers relating to school issues, it collaborates with the Principal when making any such decisions.

Although SBDHS currently is not a Marianist school in terms of ownership or operation, it does enjoy a philosophy deeply influenced by members of the Marianist Community. The primary objective of the Marianists is formation and education in faith. Their mission is founded in Jesus, is lived out in community, under the influence and inspiration of Mary.

In order to meet the increasing demand for Catholic education at the high school level, St. Boniface Diocesan High School now serves a broader community. It welcomes students from the Archdiocese of Winnipeg, the Ukrainian Archeparchy of Winnipeg, and some non-Catholic students, providing space is available.

Programming

1. **Academic**: This program is for students who wish to obtain a Manitoba high school diploma with compulsory courses in English, Math, Science, Social Sciences and Physical Education. Students will need to ensure they meet the requirements for their chosen post-secondary institution.

2. **Business & Technology Certificate**: Students who successfully complete a minimum of 6.0 credits from the following list of eligible courses over the course of their high school career will be awarded a **SBDHS Business & Technology Certificate.** This certificate signifies that the student has attained at least the minimum entry level skills necessary to gain employment in a business environment.

   2D ANIMATION 35S (0.5)
   3D MODELING 35S (0.5)
   ACCOUNTING ESSENTIALS 30S (1.0)
   ACCOUNTING SYSTEMS 40S (1.0)
   APPLIED COMPUTER SCIENCE 42U (0.5)
   APPLYING INFORMATION & COMPUTER TECHNOLOGY 1 15F (0.5)
   APPLYING INFORMATION & COMPUTER TECHNOLOGY 2 15F (0.5)
   BUSINESS COMMUNICATIONS 30S (1.0)
   BUSINESS INNOVATIONS 10S (1.0)
   COMPUTER SCIENCE 20S (1.0)
   COMPUTER SCIENCE 30S (1.0)
   DATA COLLECTION & ANALYSIS 35S (0.5)
   ENTREPRENEURSHIP 20S (1.0)
   INTERACTIVE WEBSITES 35S (0.5)
   PRINT COMMUNICATIONS 25S (0.5)
   WEB DESIGN 35S (0.5)

3. **University Now!**: University Now! is a unique opportunity for St. Boniface Diocesan High School students to earn university credits in partnership with the University of Winnipeg and the University of Manitoba while still in high school. These courses will have tuition over and above SBDHS tuition and are considered dual credits; which means that they count for both a high school standing credit and university credit with our partner institutions.

4. **High School Apprenticeship Program**: This program allows students to start apprenticeship training while still in high school. Students will receive regular high school instruction in their compulsory courses and also work at a paid, part-time placement receiving on-the-job training. Students must have completed grade 10 and be 16 years of age in order to be eligible. It is up to the student to find an employer who will hire them as an apprentice in their chosen trade. Students will be required to complete 110 hours of training to earn one credit.

5. **Skilled Trades Options**: SBDHS has a shared agreement with Nelson McIntyre Collegiate offering courses in Human Ecology (Food & Nutrition and Textile Arts & Design) and Industrial Arts (Power Mechanics and Pre-Engineering).

6. **EAL Program**: We aim to provide EAL support with grammar and language skills for students from an EAL background. This will be achieved either through a specific class with like-learners or in the regular classroom with the student individually. The goal is for full classroom integration once a certain level of competence has been reached.

RESOURCE DEPARTMENT

The Resource Department provides assistance for those students who require additional supports in programming to help bring out their gifts and skills to be as successful as they can be in school and beyond. Supports include providing adaptations, modifications, Educational Assistant support, Individual Education Plans (I.E.P.'s), or referrals to Clinical Services provided through the Louis Riel School Division. Supports are also provided for English language learners.

GUIDANCE AND COUNSELLING SERVICES

We strive to meet the individual needs of all students by providing direct support or by making referrals to either our Clinical Services or an external agency, if necessary. Services that are offered include: course changes, career planning, post-secondary preparation information, re-registration information, and social/emotional support.

CAMPUS MINISTRY

Campus Ministry is an integral part of the SBDHS community. In keeping with our Catholic tradition, it seeks to provide our students and staff with opportunities to encounter Christ in their daily lives. Because we acknowledge the uniqueness of us all, Campus Ministry provides a variety of different ways to engage students in their faith; through celebrating the Liturgy and Sacraments, participating in retreats, engaging in service work, and developing enriching relationships with their peers. Students wishing to grow in their faith on a deeper level are encouraged to join the Campus Ministry Team. This team takes part in weekly formation and planning meetings in order to engage in peer to peer ministry and organizes events that give the student body an opportunity to encounter Christ.

HYBRID SYSTEM

SBDHS operates on a hybrid system where some courses are semestered, while others are taken all year long. First semester runs from September to January and second semester from February to June. Courses that are non-semestered are Mathematics 10F and English Language Arts 10F which are held every other day for the entire year.

CREDIT SYSTEM

A credit is defined as one subject that is designed for 110 hours of instruction, a half credit is 55 hours of instruction.

COURSE DESIGNATIONS

COURSE DESIGNATION	DEPARTMENT DESCRIPTION
E – EAL	English as an Additional Language
F – Foundation	Foundation or exploratory study
G – General	General Education Courses
M – Modified	Learning outcomes have been modified (I.E.P.)
S – Specialized	Academic
U – University	Dual Credit University and High School

PROVINCIAL GRADUATION REQUIREMENTS

Students who graduate after four years from SBDHS will receive a Manitoba Provincial diploma as well as an SBDHS diploma having successfully completed a minimum of 34 credits. Students who have completed 6 credits from the designated Business & Technology courses will receive a Business & Technology Certificate. The table below outlines the mandatory credit requirements for each grade:

Grade 9		Grade 10		Grade 11		Grade 12	
English 10F	1 cr.	English 20F	1 cr.	English 30S	1 cr.	English 40S	1 cr.
Mathematics 10F	1 cr.	Mathematics 20S	1 cr.	Mathematics 30S	1 cr.	Mathematics 40S	1 cr.
Phys.Ed./Health 10F	1 cr.	Phys.Ed./Health 20F	1 cr.	Phys.Ed./Health 30F	1 cr.	Phys.Ed./Health 40F	1 cr.
Social Studies 10F	1 cr.	Geography 20F	1 cr.	History 30F	1 cr.	Religion 41G	1 cr.
Science 10F	1 cr.	Science 20F	1 cr.	Religion 31G	1 cr.	3 Electives	3 cr.
Religion 11G	1 cr.	Religion 21G	1 cr.	3 Electives	3 cr.		
AC 15F 1&2	1 cr.	3 Electives	3 cr.				
3 Electives	3 cr.						
TOTAL CREDITS	10 cr.	TOTAL CREDITS	9 cr.	TOTAL CREDITS	8 cr.	TOTAL CREDITS	7 cr.

ALTERNATIVE CREDITS

1. Dual Credit – Students have a unique opportunity to earn university credits in partnership with the University of Winnipeg and the University of Manitoba, while still in high school. These courses will have tuition over and above SBDHS tuition and are considered dual credits which means that they count for high school credit and university credit. These courses are identified with a "U" designation.

2. Special Language Credit – Manitoba high school students may take testing to claim special credits for languages in which they are competent, excluding English and French. Only students who are enrolled in a regular high school program, adult or evening high school classes are eligible. The maximum number of Special Language Credits is four out of those required for graduation, one each at grades 9 to 12.

3. Private Music Credits – Students may claim special credits for the following activities, in accordance with the guidelines summarized below:

Grade Level Equivalencies for Royal Conservatory of Music Examination System				
Grade	**Practical Exam**	**Theory Exam (Former)**	**Theory Exam (New)**	**Instruments**
Grade 9	Level 2	Basic Rudiments	Level 5	Recorder, Oboe, Bassoon, French Horn, Trombone, Euphonium, Tuba, Percussion, Harp
Grade 9	Level 5	Basic Rudiments	Level 5	Piano, Accordion, Voice, Guitar, Violin, Viola, Cello, Double Bass, Flute, Clarinet, Saxophone, Trumpet, and Speech Arts and Drama
Grade 10	Level 4	Intermediate Rudiments	Level 6	Recorder, Oboe, Bassoon, French Horn, Trombone, Euphonium, Tuba, Percussion, Harp

Grade 10	Level 6	Intermediate Rudiments	Level 6	Piano, Accordion, Voice, Guitar, Violin, Viola, Cello, Double Bass, Flute, Clarinet, Saxophone, Trumpet, and Speech Arts and Drama
Grade 11	Level 6	Advanced Rudiments	Level 7	Recorder, Oboe, Bassoon, French Horn, Trombone, Euphonium, Tuba, Percussion, Harp
Grade 11	Level 7	Advanced Rudiments	Level 7	Piano, Organ, Accordion, Voice, Guitar, Violin, Viola, Cello, Double Bass, Flute, Clarinet, Saxophone, Trumpet, and Speech Arts and Drama
Grade 12	Level 8	Advanced Rudiments	Level 8	All instruments, and Speech Arts and Drama

Conservatory Canada Examination System			
Grade	**Conservatory (Practical) Classical**	**Conservatory (Practical) Contemporary Idioms**	**Conservatory (Theory)**
Grade 9	Grade 5	Level 5	Theory 1
Grade 10	Grade 6	Level 6	Theory 2
Grade 11	Grade 7	Level 7	Theory 3
Grade 12	Grade 8	Level 8	Theory 4

To claim the Private Music Option credit, a Royal Conservatory of Canada or Conservatory of Canada certificate of standing must be presented to the school. Students will receive an "S" for "Standing" rather than a percentage grade. These credits cannot be used towards high school graduation but are recognized only as additional credits beyond the minimum graduation requirement.

4. Cadet credit - 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 are recognized **only as additional credits beyond the minimum credits** required for high school graduation.

COURSE DESCRIPTIONS

The following course descriptions are to be used as a reference when making course selections. Students need to make sure that they have the required pre-requisites for a course before registering for it. For the courses that have co-requisites, students must register for both courses. Where enrollment is limited, students who register first will be given priority. **Administration has the right to withdraw courses with insufficient enrollment.**

BUSINESS

Accounting Essentials 30S (1.0 credit)
Dept. of Ed. Code: 0309
Pre-requisite: any Math 20S or permission from Administration

Accounting Essentials 30S introduces students to Canadian accounting principles and practices while monitoring student use of the Accounting Standards for Private Enterprises (A.S.P.E. *formally Generally Accepted Accounting Principles). Students will practice accounting concepts manually and then have an opportunity to input their data into a computerized accounting program and/or spreadsheet. Students considering entrepreneurial pursuits or post-secondary studies in accounting and/or business will find this course beneficial. Students who like practical, logical thinking will enjoy this course as they study the accounting cycle, journalizing, posting, preparing financial statements, cash control and payroll.

Accounting Systems 40S (1.0 credit)
Dept. of Ed. Code: 0310
Pre-requisite: Accounting Essentials 30S

Accounting Systems 40S builds on and reinforces the concepts, skills, and understandings mastered in Accounting Essentials 30S. Introductory principles and practices are reviewed, developed and applied. Students expand their understanding of accounting principles and concepts through examining the accounting cycle of merchandising businesses, including subsidiary ledgers, special journals and the Accounting Standards for Private Enterprises (A.S.P.E. *formerly Generally Accepted Accounting Principles) as they are applied to small and large merchandising businesses. Use of accounting software will be accessed when available.

Business Communications 30S (1.0 credit)
Dept. of Ed. Code: 0314
Pre-requisite: none

Business Communications focuses on communication skills and techniques that are essential in business. Students will develop effective written, verbal, interpersonal, and visual communication skills. They will also learn how to use current technologies to create communications that are clear, concise, and designed for business. Business Communications is designed for students interested in pursuing post-secondary studies in the business field. It is also a desirable course option for future entrepreneurs or any individual who wants to develop effective workplace communication skills.

Business Innovations 10S (1.0 credit)
Dept. of Ed. Code: 0315
Pre-requisite: none

Business Innovations is an introductory course that offers students the opportunity to explore commerce-related topics, such as economics, entrepreneurship, business, marketing, technology, and finance. Throughout the course, students will apply the concepts and strategies they learn to a variety of creative business projects or simulations.

Entrepreneurship 20S (1.0 credit)
Dept. of Ed. Code: 0319
Pre-requisite: none

Entrepreneurship focuses on developing the foundational skills and ideas needed to plan and develop a business. Students begin by evaluating innovation, inventions, and innovative ideas. They learn the process of planning, marketing and implementing a venture. This course is designed for students interested in business principles related to the ownership and management of a business.

COMPUTER TECHNOLOGY

2D Animation 35S (0.5 credit)

Dept. of Ed. Code: 0227

Recommended: Data Collection & Analysis 35S and Print Communication 25S or permission from Administration

The purpose of this course is to provide students with the skills and knowledge to create two-dimensional animations. Topics covered include: defining the purpose and audience for animation; discussing various types of animation; creating a storyboard; creating and using a timeline; choosing frame rate and screen size based on the use of animation; drawing objects; importing object files (graphics, sound…); using layers; using key frames; morphing an object through distortion or deformation; critiquing and suggesting improvements for an animation; and, accepting a critique and making changes based on the feedback.

3D Modeling 35S (0.5 credit)

Dept. of Ed. Code: 0236

Pre-requisite: Data Collection & Analysis 35S and Print Communication 25S or permission from Administration

3D Modeling 35S gives students the opportunity to learn 3-dimensional modeling techniques. Students subsequently apply this knowledge to create models in a 3-dimensional space which represents real-world objects, as well as models that can be used to develop actual items (i.e.; furniture and small structures).

Applying Information & Communication Technology 15F 1 & 2 (0.5 credit each)

Dept. of Ed. Code: 0217 & 0218

Pre-requisite: none

These courses are designed to give all grade 9 students a review of previously learned ICT skills and an opportunity to expand upon these skills. Students will have hands-on experience with the following software programs and applications: Microsoft Word, Excel, PowerPoint, Access, Gimp, Publisher, Web Design, Adobe Animate and Scratch, as well as the Windows Operating System.

Computer Science 20S (1.0 credit)

Dept. of Ed. Code: 0280

Pre-requisite: Applying Information & Communication Technology 15F 1 & 2

Computer Science 20S is an introduction to computer programming and is open to students in grades 10 and higher. Through both group and individual work, students learn and apply methods which are used to develop computer applications. Topics include interactive development environments and how they are used in the application development process, planning tools including flowcharting, basic programming structures (data types/variables, basic operations, "if" statements, loops), simple methods, implementation of drawing methods and code from built-in libraries, and basic game development.

Computer Science 30S (1.0 credit)

Dept. of Ed. Code: 0280

Pre-requisite: Computer Science 20S

Computer Science 30S builds on skills learned in Computer Science 20S. Through both group and individual work, students will utilize new and previously learned material to develop problem-solving computer applications. There will be continued emphasis on basic computer science principles (data types/variables, loops, "if" statements, multiway branching, methods which accept arguments). Students will be introduced to the creation and implementation of sorting and searching algorithms. They will also utilize arrays and string methods to create control structures that deal with data input validation and file input/output.

Data Collection & Analysis 35S (0.5 credit)

Dept. of Ed. Code: 0235

Pre-requisite: Applying Information & Communication Technology 15F 1 & 2 or permission from Administration

Students gain skills and knowledge to collect, manipulate and analyze information to solve problems using Microsoft Excel. Topics covered include: creating documents by entering data; creating formulas including cell references; mathematical expressions; functions; sorting data; creating charts; automating repetitive tasks by using software tools such as macros, templates, etc.; linking multiple documents.

Desktop Publishing 35S (0.5 credit)

Dept. of Ed. Code: 0223

Pre-requisite: Applying Information and Communication Technology 15F 1 & 2 or permission from Administration

This course is open to students in grades 10-12. Priority placement is given to students with computer and photography skills. The primary objective of this course is to create a full color digitally produced school yearbook. Students are introduced to the basics of page layout and design, photography, and theme creation. This course requires some out-of-school time to cover extra-curricular events.

Digital Film Making 25S (0.5 credit)

Dept. of Ed. Code: 0230

Pre-requisite: Applying Information & Communication Technology 15F 1 & 2 or permission from Administration

The purpose of this course is to provide students with the skills and knowledge to tell stories by combining sound, still images, moving images, text, graphics, and animation into a video product. Students plan, develop and produce a video project using a narrative or documentary format. Some of the learning outcomes include: creating a storyboard with sketch drawings and descriptions; developing a shooting schedule including timelines, lists of events, and logistics; demonstrating three-point lighting (key light, back light, fill light) of a subject; using lighting techniques to convey mood; evaluating the effect of camera settings on image quality; capturing images and sounds with cameras and microphones, transferring images and sounds from recording devices to computer; editing video and sound clips using software programs; combining sound, still images, moving images, text, graphics, animation, transitions, and effects into a video product; and using software to add title and credits to a video project.

Interactive Websites 35S (0.5 credit)

Dept. of Ed. Code: 0225

Pre-requisite: Web Design 35S

In this course students will review the basics of web design and explore additional topics to create dynamic web pages using cascading style sheets (CSS), meta tags and content management systems. Students will be introduced to web scripting using JavaScript as well as creating and using forms to capture data.

Print Communications 25S (0.5 credit)

Dept. of Ed. Code: 0222

Pre-requisite: Applying Information & Communication Technology 15F 1 & 2 or permission from Administration

Students will plan and create a variety of documents for business communications. Some of the learning outcomes include: planning and producing print documents conforming to recognized standards; business letters; reports; labels; meeting minutes; memos; outlines. Advanced features such as mail merge, text alignments and enhancements will also be covered.

Web Design 35S (0.5 credit)

Dept. of Ed. Code: 0234

Pre-requisite: Applying Information & Communication Technology 15F 1 & 2 or permission from Administration

This course will provide students with the basic skills to plan, design and produce websites using HTML (Hypertext Markup Language) and other web design tools. Students will learn the importance of good design and coding standards. Students will also learn how to publish a website to the internet.

ENGLISH

English Language Arts 10F (1.0 credit)

Dept. of Ed. Code: 0001

Pre-requisite: none

This course has, as its foundation, five (5) general learning outcomes:

1) Exploration of thoughts, ideas, feelings and experiences;
2) Discovering meaning in oral, literary, and media texts;
3) Managing ideas and information;
4) Communicating with clarity, artistry and precision;
5) Celebrating and building of community.

Students will become increasingly sophisticated in their ability to use these skills, in conjunction with the six language art strands, (listening, speaking, reading, writing, viewing, representing).

English Language Arts 20F (1.0 credit)
Dept. of Ed. Code: 0001
Pre-requisite: English Language Arts 10F

English Language Arts 20F has, as its foundation, five general learning outcomes as outlined in the English Language Arts: Manitoba Curriculum Framework of Outcomes. These outcomes are: exploration of thoughts, ideas, feelings and experiences; discovering meaning in oral, literary, and media texts; managing ideas and information; communicating with clarity, artistry and precision; and the celebrating and building of community.

English Language Arts: Comprehensive Focus 30S (1.0 credit)
Dept. of Ed. Code: 0092
Pre-requisite: English Language Arts 20F

This course presents pragmatic and aesthetic purposes and texts in approximate balance. That is, students will pursue a balanced focus of both literary investigation, as well as language-based application. This course builds on the skills learned in English Language Arts 20F. It also serves as the foundation for all grade 12 English Language Arts programs.

English Language Arts: Comprehensive Focus 40S (1.0 credit)
Dept. of Ed. Code: 0092
Pre-requisite: English Language Arts: Comprehensive Focus 30S

This grade 12 English credit is designed to develop a student's ability to apply accumulated language experiences to a wide range of forms (organization and structure from a variety of fiction and nonfiction novels, drama, short stories and poetry). This course aims to give students an understanding of form and the basic ability to apply and evaluate it in their own communication. All students must write a final provincial assessment.

English Language Arts: Literary Focus 40S (1.0 credit)
Dept. of Ed. Code: 0093
Pre-requisite: English Language Arts: Comprehensive Focus 30S

The aim of this course is to give students an increased mastery of specific language forms. This course focuses attention on the content of great literary works. It aims to challenge and involve students in articulating their responses to literature and other art forms through oral and written communication. In studying the literary periods from the Anglo Saxon era to the contemporary era, students explore humanity's social development through the artists' observations and interpretations.

English Language Arts: Transactional Focus 40S (1.0 credit)
Dept. of Ed. Code: 0094
Pre-requisite: English Language Arts: Comprehensive Focus 30S

Students will be exposed to a variety of forms of written, verbal and visual communication used in everyday life: business, government, academic, media and informational.

Note: Of the three English 40S courses offered, only the two with the greatest enrollment will be offered in the current year.

All 40S ELA courses require students to write a final provincial assessment.

Introductory Oral Communication 11G (0.5 credit)
Dept. of Ed. Code: 9920
Pre-requisite: none

The aim of this course is to develop oral communication skills beyond the level provided in the regular English Language Arts program. Students will learn how to create and respond to speeches while improving upon their analytical, reasoning and listening skills. The main focus of the course is on public speaking, debating and research skills.

FINE ARTS

Art 15S (0.5 credit)
Dept. of Ed. Code: 0289
Pre-requisite: none

This course will introduce students to the study of the Elements and Principles of Design and their use in creative expression. This course will focus on the development and utilization of drawing techniques using a variety of media. Course content will focus on the organization of the elements and principles of design within a work of art:

- Elements of Design: line, shape, texture, value, color and form.
- Principles of Design: unity, harmony, contrast, balance, repetition, emphasis, variety and proportion.

Art 25S (0.5 credit)
Dept. of Ed. Code: 0289
Recommended: Art 15S or permission from Administration

Art 25S will familiarize students with the Elements and Principles of Design. Students enrolled in this course will continue to develop their drawing skills, learn techniques for the construction of three-dimensional art, and learn how to formally critique works of art.

Art 35S (0.5 credit)
Dept. of Ed. Code: 0289
Recommended: Art 25S or permission from Administration

Art 35S is an extension to the study of the Elements and Principles of Design and their use in the visual arts. Students will create both two and three-dimensional works of art through a combination of directed and independent study. Students will also critique works of art, with some exploration of art history through biographical studies of influential artists.

Art 40S (1.0 credit)
Dept. of Ed. Code: 0289
Recommended: Art 35S or permission from Administration

Students will use the Elements and Principles of Design in their continued exploration of the visual arts. Students will use the information they have learned throughout their art career to develop and execute project ideas for both directed and independent projects. Students will engage in art critiques, and will explore art history through the study of various art movements. Students may use this course to begin the development of a personal portfolio for entrance to a visual arts program at a post-secondary institution.

Choral 15S (0.5 credit)
Dept. of Ed. Code: 0260
Pre-requisite: none

This course requires no previous choral experience and will focus on the following areas of vocal training:

- Vocal tone production
- Sight singing
- Breath control/phrasing
- Melody and simple harmony singing

Through practice/performance students will gain understanding of a wide range of choral music, from Renaissance to popular music. This course is performance-based and students must attend all major performances as a requirement for course credit.

Choral 25S (0.5 credit)
Dept. of Ed. Code: 0260
Pre-requisite: none

This course builds on the material from Choral 15S, however Choral 15S is not required to take this course. This course will focus on the following areas of vocal training:

- Vocal tone production
- Sight Singing
- Breath control/phrasing
- Melody and simple harmony singing

Through practice/performance, students will gain understanding of a wide range of choral music, from Renaissance to popular music. This course is performance-based and students must attend all major performances as a requirement for course credit.

Choral 30S (1.0 credit)
Dept. of Ed. Code: 0260
Recommended: Choral 25S

This course will include rehearsing and performing a wide range of increasingly challenging repertoire. Students will develop skills in individual vocal and ensemble skills in the areas of:

- Singing
- Sight singing
- Ear training
- Theoretical concepts
- Three-part and four-part harmony singing
- An understanding of different styles of music

Attention will be given to musical interpretation and expression. Students must attend all major performances as a requirement for course credit.

Choral 40S (1.0 credit)
Dept. of Ed. Code: 0260
Recommended: Choral 30S

Students will further the skills learned in Choral 30S and will deepen the development of skills in individual vocal and ensemble skills through:

- Singing
- Sight singing
- Ear training
- Theoretical concepts
- Three-part and four-part harmony singing
- Small ensemble and solo singing
- An understanding of different styles of music

Attention will be given to musical interpretation and expression. Students must attend all major performances as a requirement for course credit.

Drama 15S (0.5 credit)
Dept. of Ed. Code: 0239
Pre-requisite: none

The goal of this course is to provide students with the opportunity to develop, enhance, and utilize their acting abilities through drama games, role playing, stage movement, and improvisation. A class performance will be integrated into this course which will involve the practices of drama making, the creating and connecting of dramatic content, and responding to dramatic forms.

Drama 25S (0.5 credit)
Dept. of Ed. Code: 0252
Pre-requisite: none

This course provides students with the opportunity to develop, enhance, and utilize their acting abilities through drama games, role playing, stage movement, and improvisation. A class performance will be integrated into this course which will involve the practices of drama making, creating and connecting of dramatic content, and responding to dramatic forms.

Drama 35S (0.5 credit)
Dept. of Ed. Code: 0252
Pre-requisite: none

This course provides students with the opportunity to continue to develop, enhance and utilize their acting abilities through drama games, role playing, stage movement and improvisation. Learning will include vocal development, character analysis and drama designing. A class performance will be integrated into this course which will involve the practices of drama making, creating and connecting of dramatic content and responding to dramatic forms.

Drama 45S (0.5 credit)
Dept. of Ed. Code: 0252
Pre-requisite: none

This course provides students with the opportunity to continue to develop, enhance and utilize their acting abilities through drama games, role playing, stage movement and improvisation. Learning will include vocal development, character analysis and 20th century drama movements. A class performance will be integrated into this course which will involve the practices of drama making, the creating and connecting of dramatic content and responding to dramatic forms.

Intermediate Debate & Public Speaking 21G (0.5 credit)
Dept. of Ed. Code: 9112
Pre-requisite: none

This course aims to develop students' speaking, listening and analytical skills beyond the level provided in the regular language arts program. Students are expected to create and deliver clear and effective speeches in persuasive, congratulatory, after-dinner and interpretive styles, as well as to understand and respond to speeches made by others. Students will be required to research and prepare logical arguments and to take part in several debates throughout the course.

Introduction to Photography 20S (1.0 credit)
Dept. of Ed. Code: 9157
Pre-requisite: none

This course is designed for students to explore photography. Students will learn about photographic history and theory, as well as basic functions of point-and-shoot and DSLR cameras through practical applications and in-class exploration. Students will learn basic editing skills and techniques through the use of Adobe Lightroom and Photoshop. Students will also explore the use of different light sources and how to use light more effectively to enhance their photography skills.
Note: It is recommended that students provide their own digital camera or DSLR camera for the course so that they may learn on their own equipment; however, if this is not possible, students will have access to school cameras that will be shared by other students.

Music 15S (0.5 credit)
Dept. of Ed. Code: 0268
Pre-requisite: none

This course requires no previous experience. Students will develop understanding and skill for making music using the guitar as an instrument of performance. Students will learn some basic training that can be used on the keyboard, guitar, bass guitar and percussion. They will work individually and collaboratively in learning popular songs as well as creating original music. Having a guitar at home for practice will be an asset. Students must attend and participate in all major performances as a requirement for course credit.

Music 25S (0.5 credit)
Dept. of Ed. Code: 0268
Pre-requisite: none

This course develops performance skills in guitar by learning popular songs as well as creating original music. Students must attend all major performances as a requirement for course credit. *Note: students will require a guitar at home for practice.*

Music 30S (1.0 credit)
Dept. of Ed. Code: 0268
Pre-requisite: Music 25S or permission from Administration

Students will continue to develop their understanding and skill for making music as outlined in the Manitoba Arts Curriculum. Students will develop ensemble skills as they perform parts of music, learning the elements of musical ensemble: melody, harmony, chord progression. Students will also develop knowledge of theory of music. They will work individually and collaboratively in learning popular songs as well as creating and recording original music. Students must attend all major performances as a requirement for course credit. *Students must have access to a guitar at home for practice.*

Music 40S (1.0 credit)
Dept. of Ed. Code: 0268
Pre-requisite: Music 30S or permission from Administration

Students will continue to develop their understanding and skill for making music. Students will develop ensemble skills as they perform music in parts, learning the elements of musical ensemble: melody, harmony, and chord progression. Students will also develop knowledge of theory of music. They will work individually and collaboratively in learning popular songs as well as creating and recording original music. Students must attend all major performances, as they are considered equivalent to exams. *Students must have access to a guitar at home for practice.*

LANGUAGE

French: Communication & Culture 10F (1.0 credit)
Dept. of Ed. Code: 0403
Pre-requisite: none

This course offers students an opportunity to develop their knowledge of French through a variety of oral and written activities. Students communicate on topics drawn from their own experiences. Grade 9 students must have completed the grade 8 basic French program or a similar French program to be allowed entry into this course. Students will be enriched with French culture and language through possible activities such as "Le Festival du Voyageur", media technology, etc.

French: Communication & Culture 20F (1.0 credit)
Dept. of Ed. Code: 0403
Pre-requisite: French: Communication & Culture 10F

The purpose of the French curriculum is to encourage the learning of French as a means of communication and to make it an integral part of the students' overall education. An orientation, in which French is not only the subject matter, but also the language of instruction, encourages a multidimensional approach consisting of four components: experience/communication, culture, language, and general language education. Use of the experiential component requires language to be learned by communicating and participating in the most authentic experiences possible.

French: Communication & Culture 30S (1.0 credit)
Dept. of Ed. Code: 0403
Pre-requisite: French: Communication & Culture 20F

The purpose of the French curriculum is to continue learning French as a means of communication and to make it an integral part of students' educational experience. An orientation in which French is not only the subject matter, but also the language of instruction, encourages a multidimensional approach consisting of experience/communication, culture, language, and general language education which is necessary for developing students' communication skills. As students improve their communication skills, their linguistic accuracy increases and their language learning strategies expand.

French: Communication & Culture 40S (1.0 credit)
Dept. of Ed. Code: 0403
Pre-requisite: French: Communication & Culture 30S

The purpose of the French curriculum is to continue learning French as a means of communication and to make it an integral part of students' overall educational experience. An orientation in which French is not only the subject matter, but also the language of instruction, encourages a multidimensional approach consisting of experience/communication, culture, language, and general language education, which is necessary for developing students' communication skills. As students improve their communication skills, their linguistic

accuracy increases and their language learning strategies expand.

MATHEMATICS

Applied Mathematics 30S (1.0 credit)
Dept. of Ed. Code: 3903
Pre-requisite: Introduction to Applied & Pre-Calculus Mathematics 20S (minimum 75%) or permission from Administration

Grade 11 Applied Mathematics is intended for students considering post-secondary studies that do not require a study of theoretical calculus. The primary goals of the course are to have students develop critical thinking skills through problem solving and model real-world situations mathematically to make predictions. Topics include: sinusoidal functions, compound interest, probability, polynomial functions, permutations & combinations, investments, design & measurement, exponential & logarithmic functions. Students will be required to do a research project as a component of this course.

Applied Mathematics 40S (1.0 credit)
Dept. of Ed. Code: 3903
Pre-requisite: Applied Mathematics 30S (minimum 75%) or permission from Administration

Applied Mathematics 40S is a continuation of Applied Mathematics 30S. Applied Mathematics is intended for students considering post-secondary studies that do not require a study of theoretical calculus. The primary goal of Applied Mathematics 40S is to have students develop critical thinking skills through problem solving and to model real-world situations to make mathematic predictions. Topics include: sinusoidal functions, compound interest, probability, polynomial functions, permutations & combinations, investments, design & measurement, exponential & logarithmic functions. Students will be required to do a research project as a component of this course.

Essential Mathematics 20S (1.0 credit)
Dept. of Ed. Code: 3000
Pre-requisite: Mathematics 10F

This course is intended for students whose post-secondary planning does not include a focus on mathematics and science related fields. It is a course that emphasizes consumer applications, problem solving, decision making and spatial sense. Topics include: analysis of games and numbers, personal finance, measurement, 2-D geometry, trigonometry, consumer decisions, transformations and angle construction.

Essential Mathematics 30S (1.0 credit)
Dept. of Ed. Code: 3000
Pre-requisite: Any 20S Mathematics

This course is intended for students whose post-secondary planning does not include a focus on mathematics and science related fields. It is a course that emphasizes consumer applications, problem solving, decision making and spatial sense. Grade 11 Essential Mathematics builds on the knowledge and skills from grade 10 Essential Mathematics and provides a foundation for the topics studied in grade 12 Essential Mathematics. Topics include: analysis of games and numbers, managing money, interest and credit, 3-D geometry, trigonometry, relations and patterns, statistics and design modelling.

Essential Mathematics 40S (1.0 credit)
Dept. of Ed. Code: 3000
Pre-requisite: Any 30S Mathematics

This course is intended for students whose post-secondary planning does not include a focus on mathematics and science related fields. The Essential Mathematics program has been designed to meet the needs of students who desire a challenging and thoughtful Mathematics course, but whose future does not foresee the use of advanced mathematics. It is for students who wish to develop co-operative, interactive and communicative skills that have been fostered throughout their senior years' mathematics programs. Topics include: analysis of games & numbers, vehicle finance, statistics, precision measurement, home finance, geometry & trigonometry, business finance, probability. Students will be required to complete a career life project as a component of this course.

Introduction to Applied & Pre-Calculus Mathematics 20S (1.0 credit)
Dept. of Ed. Code: 3905
Pre-requisite: Mathematics 10F (minimum 75%)

This course is intended for students considering post-secondary studies that require a Pre-Calculus or Applied Math pre-requisite. Topics studied will form the foundation for topics to be studied in both grade 11 Applied Mathematics and grade 11 Pre-calculus Mathematics. The learning outcomes are divided into three topics: measurement; algebra and number; relations and functions.

Mathematics 10F (1.0 credit)
Dept. of Ed. Code: 0080
Pre-requisite: none

The main goal of Mathematics education is to prepare students to solve problems. Mathematics 10F includes studies in four strands of Mathematics (which is a continuation of the k–8 frameworks): number sense, patterns & relations, shape & space and, statistics & probability. In studying these strands, students will learn to communicate mathematically; make mathematical connections; improve their visualization, mental math, estimation, problem solving, and reasoning skills; and use technology to supplement their learning.

Pre-Calculus Mathematics 30S (1.0 credit)
Dept. of Ed. Code: 3939
Pre-requisite: Introduction to Applied & Pre-Calculus Mathematics 20S (minimum 75%) or permission from Administration

Pre-Calculus Mathematics 30S is a continuation of Intro. to Applied and Pre-Calculus Mathematics 20S, with a focus on theoretical mathematics, an emphasis on algebra, problem solving, and mental math. This course is recommended for students planning to pursue post-secondary studies in Mathematics and Science. Topics include: quadratic, rational, radical, absolute functions and equations, trigonometry, systems, inequalities and sequences.

Pre-Calculus Mathematics 40S (1.0 credit)
Dept. of Ed. Code: 3939
Pre-requisite: Pre-Calculus 30S (minimum 75%) or permission from Administration

Pre-calculus Mathematics 40S is an advanced Mathematics program that is designed for students who plan on pursuing post-secondary level Mathematics courses. The course is fast-paced, rigorous, and demanding of students' time, intellect, and independent initiative. The course emphasizes a deep, conceptual understanding of topics and focuses on taking command of a variety of abstract areas in Mathematics that provide a firm foundation for future studies in Mathematics. Topics include: trigonometry, relations and functions (transformations, exponents and logs), permutations, combinations and binomial theorem.

PHYSICAL/HEALTH EDUCATION

Physical/Health Education 10F (1.0 credit)
Dept. of Ed. Code: 0169
Pre-requisite: none

Physical Education will primarily focus on helping students develop and refine activity-specific skills and understand the importance of physical activity as part of a healthy lifestyle and life-long learning. This course will address curricular outcomes related to the on-going development of basic movement skills along with instruction and discussion regarding the following Health topics: Active Living, Basic Muscle Physiology & Anatomy, Fitness Development, Social Management & Personal Safety, Substance Abuse Prevention, and Human Sexuality.
This compulsory course involves both Physical Education and Health Units. Students will build on their current physical literacy skills through various activities that are designed to promote and enhance basic movement skills, personal fitness goals, as well as contribute to a student's social-emotional well-being. Some of the activities that students will participate in are as follows: *Low Organized Games, Ultimate Frisbee, Disc Golf, Volleyball, Basketball, Badminton, Soccer, Floor Hockey, Zumba, Dance, Yoga, Juggling, Omnikin, Slo-Pitch, Fitness Testing, Strength & Endurance Exercises.*

Physical/Health Education 20F (1.0 credit)
Dept. of Ed. Code: 0169
Pre-requisite: Physical Education 10F

This compulsory course involves both Physical Education and Health Units. The curricular outcomes of this course emphasize the enhancement of skill acquisition and application, as well as the continued development of a student's social-emotional well-being. Some of the activities that students will participate in are: *Low Organized Games, Ultimate Frisbee, Disc Golf, Volleyball, Basketball, Badminton, Soccer, Floor Hockey, Zumba, Dance, Yoga, Juggling, Omnikin, Slo-Pitch, Fitness Testing, Strength & Endurance Exercises.*
The intent of the curriculum is to help Senior Years students develop the necessary skills for life-long physical activity participation and to provide students with the knowledge necessary to help prevent or avoid health issues that commonly affect youth. This course will address curricular outcomes related to the on-going development of basic movement skills along with instruction and discussion regarding the following topics: Healthy Lifestyle Practices, Fitness Physiology & Anatomy, Nutrition, Addictions & Mental Health, Human Sexuality, and Personal/Social Management.

Physical/Health Education 30F (1.0 credit)
Dept. of Ed. Code: 0169
Pre-requisite: Physical Education 20F

This compulsory course is designed to help students take greater ownership of their own physical fitness. Students will participate in a wide variety of activities in the gym. They are required to wear appropriate physical education attire (including a SBDHS t-shirt and shorts) and participate in all activities. Students are also required to maintain an activity log book which shows the activities they have been participating in. Parents/guardians are required to review the log book to verify entries. Students must complete 75 hours of moderate to vigorous physical activity throughout the course; this means that some activities will have to be done at home. In the classroom, students will study topics related to fitness management, mental health, substance use and abuse prevention, and the social impact of sport. Students are assessed using a "complete" or "incomplete" designation, instead of percentage grades.

Physical/Health Education 40F (1.0 credit)
Dept. of Ed. Code: 0169
Pre-requisite: Physical Education 30F

This compulsory full-credit course is designed for students to take greater ownership of their own physical fitness. Students participate in a wide variety of activities in the gym. They are required to wear appropriate physical education attire (including a SBDHS t-shirt & shorts) and participate in all activities. Students are also required to maintain an activity log book which shows the activities they have been participating in. Parents/guardians are required to review the log book to verify entries. Students must complete 75 hours of moderate to vigorous physical activity throughout the course. This means that some activities will have to be completed at home. Students will be introduced to safety and risk management planning to minimize the risks of the activities they have chosen. In the classroom, students study topics related to fitness management, nutrition, social/emotional health, and personal development. The focus of this content will be on health and personal planning. Students are assessed using a "complete" or "incomplete" designation instead of percentage grades.

RELIGION

Religion courses are compulsory for all students at SBDHS, as our faith and its development, is integral to our Catholic Christian identity. SBDHS seeks to enable students to develop their religious identity by integrating the fundamentals of faith within their lives through an intellectual knowledge of religion as well as a "heart-knowledge" of our God. To help develop this identity beyond the classroom, students engage in experiential learning opportunities through the retreat program, reception of the Sacraments of Eucharist and Reconciliation, as well as through Christian Service. Our retreat program further develops the community of faith through students' witness to one another as well as providing much needed rest and relaxation with our God. The Sacraments allow students to experience God's love in a tangible way. Christian service is an outward expression of this growth in the larger community and is coordinated within each Religion course.

Religion 11G (1.0 credit)
Dept. of Ed. Code: 7850
Pre-requisite: none

This course will acquaint students with both the Hebrew Scriptures (Old Testament) and Christian Scriptures (New Testament), as well as how to use the Word of God in their prayer life. The purpose of this program is to familiarize students with the Bible, to create a firm foundation for their Catholic faith, and to help them to develop a deeper love and respect for Scripture. There are four main aspects to this course: Hebrew Scripture; Christian Scripture; Praying with Scripture; and Christian Service.
In addition to attending regularly scheduled Religion classes, students will participate in a compulsory one-day retreat, attend all school Masses, and complete 10 hours of Christian Service.

Religion 21G (1.0 credit)
Dept. of Ed. Code: 7850
Pre-requisite: Religion 11G

This course explores the loving relationship we have with God and our response in prayer, worship and celebration of the sacraments. Since the sacraments are an integral part of what it means to be Catholic, it is essential for students to understand how God reveals Himself through the sacraments by exploring how they are rooted in the life and ministry of Jesus Christ.
In addition to attending regularly scheduled Religion classes, students will participate in a compulsory one-day retreat, attend all school Masses, and complete 15 hours of Christian Service.

Religion 31G (1.0 credit)
Dept. of Ed. Code: 7850
Pre-requisite: Religion 21G

This course aims to deepen students' understanding and appreciation of what it means to be Catholic. Students will examine the expression and profession of the Catholic faith, as it is understood through the rich tradition of it historical roots, including a particular examination of the Creed.
All grade 11 students will participate in a compulsory one-day retreat and attend all school Masses. Students will participate in a Christian Service outing arranged through the school and complete a reflection/project based on their experience.

Religion 41G (1.0 credit)
Dept. of Ed. Code: 7850
Pre-requisite: Religion 31G

This course provides students with an opportunity to explore the components required in making moral, Christian-based decisions that will assist them in living their lives as responsible young adults. Students will study concepts such as morality, ethics, and conscience while exploring their relationships with God, others and themselves. Students will be exposed to a variety of social justice issues facing our world. They will be asked to explore various ways they can "make a difference" in our world by promoting social justice as individuals and as a Christian community.
All grade 12 students will participate in two compulsory one-day retreats and attend all school Masses. Students will participate in a Christian Service outing arranged through the school and complete a reflection/project based on their experience.

SCIENCE

Biology 30S (1.0 credit)
Dept. of Ed. Code: 0124
Pre-requisite: Science 20F (minimum 65%) or permission from Administration

This course reflects the nature of science as both investigation and inquiry and its importance to the individual. Through the use of textual materials, projects, investigations and activities, students will be introduced to the structure and function of the various systems of the human body with a focus on wellness and homeostasis. A wellness portfolio will help students reflect and make proper decisions relating to their long term health and well-being.

Biology 40S (1.0 credit)
Dept. of Ed. Code: 0124
Pre-requisite: Biology 30S (minimum 65%) or permission from Administration

Biology 40S extends the study of biology beyond that of the human body. The course is divided into two main sections: genetics (understanding biological inheritance, mechanisms of inheritance) and biodiversity (evolutionary theory and biodiversity, organizing biodiversity, conservation of biodiversity). Students explore these topics through the use of textual materials, projects, investigations and activities.

Chemistry 30S (1.0 credit)
Dept. of Ed. Code: 0122
Pre-requisite: Science 20F (minimum 65%) or permission from Administration

Chemistry 30S is an introductory course exposing students to the basic concepts of chemistry which are used as the building blocks for understanding ideas in Chemistry 40S. Chemistry 30S is largely a descriptive course. The ability to think abstractly is a great asset for students who are learning chemistry. A strong background in Introduction to Applied & Pre-Calculus Mathematics 20S and Science 20F is recommended. Laboratory work will be used to reinforce classroom work.

Chemistry 40S (1.0 credit)
Dept. of Ed. Code: 0122
Pre-requisite: Chemistry 30S (minimum 65%) or permission from Administration

Chemistry 40S applies the basic concepts of Chemistry 30S to new situations. This course uses the underlying factors of energy and equilibrium as a thread to tie topics together. In Chemistry 40S there is a much greater emphasis on problem solving than in Chemistry 30S. A strong Mathematics background, plus an ability to handle abstract ideas is essential.

Exercise Science 40S (1.0 credit)
Dept. of Ed. Code: 0300
Pre-requisite: Any grade 11 Science course or any grade 11 or 12 Physical Education course

This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sport, and the physiological, psychological, and social factors that influence an individual's participation in physical activity

and sport. The course prepares students for university programs in physical education and health, kinesiology, health sciences, health studies, recreation, and sports administration.

Physics 30S (1.0 credit)
Dept. of Ed. Code: 0123
Pre-requisite: Science 20F (minimum 65%) or permission from Administration

Physics is a science of observation that presents principles or laws as a summary of observed phenomena and their logical inter-relationships. Physics is designed to develop and emphasize foundational skills in the areas of science literacy and communication, problem-solving, human relationships and technology. The Physics curriculum deals with a survey of the major fields of Physics. The analysis requires skills in Mathematics as well as the ability to solve problems and think critically. Physics 30S has four major units of study: waves and sound, nature of science, mechanics, and fields.

Physics 40S (1.0 credit)
Dept. of Ed. Code: 0123
Pre-requisite: Physics 30S (minimum 65%) or permission from Administration

Physics is a fundamental science; it is a science about relationships between various quantities in a system. Students will further develop skills in the areas of experimentation, research, critical thinking, and analysis. Problem solving is an extensive component of this course. Many topics studied in the later part of the course require the application of knowledge acquired earlier in the course. Topics to be studied include: relative motion, projectile motion, two-dimensional forces, uniform circular motion, momentum, energetics, fields, and medical physics.

Science 10F (1.0 credit)
Dept. of Ed. Code: 0120
Pre-requisite: none

This course introduces students to various fields of science. Students will gain experience using hands on activities and experiments and will be provided with opportunities to make practical applications of scientific knowledge. Group work is an important tool used in this course to promote knowledge acquisition. The main topics covered are: nature of science, reproduction, atoms and elements, the nature of electricity, and exploring the universe. Students are required to make and present an experiment based science fair project for which a detailed information package will be provided.

Science 20F (1.0 credit)
Dept. of Ed. Code: 0120
Pre-requisite: Science 10F

This course introduces students to various fields of science while allowing them to gain experience in hands-on activities and experiments, providing them with opportunities to make practical applications of scientific knowledge. Group work is an important tool used in this course to promote knowledge acquisition. The four main topics covered are: dynamics of ecosystems; chemistry in action; in motion; and weather dynamics. Students are required to make and present an experiment based science fair project for which a detailed information package will be provided.

SOCIAL SCIENCE/HISTORY

Canada in the Contemporary World 10F (1.0 credit)
Dept. of Ed. Code: 0101
Pre-requisite: none

This Canadian Social Studies 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. Students will examine their country and their world through themes such as immigration, law, government and Canadian global roles and relationships.

Geographic Issues of the 21st Century 20F (1.0 credit)
Dept. of Ed. Code: 1180
Pre-requisite: Canada in the Contemporary World 10F

In this course, students explore the nature of geography and develop skills related to geographical thinking. Students will use methods and tools of geography in order to examine a variety of issues and challenges of the contemporary world, and to propose solutions. They will study concepts related to ownership and development of natural resources, production and distribution of food, development of industry and trade, and increasing urbanization. Students consider these issues in the context of Canada, North America, and the world. Through their study, students become aware of the importance of the environment, stewardship, and sustainable development, as well as the social, political, and economic implications of their personal choices.

History of Canada 30F (1.0 credit)
Dept. of Ed. Code: 0105
Pre-requisite: Geographic Issues of the 21st Century 20F

History of Canada 30F examines Canadian history from the perspective of how the present can best be explained by understanding the past. The essential question "How has Canada's history shaped our lives today?" will be explored as major historical events are studied.

Law 40S (1.0 credit)
Dept. of Ed. Code: 0580
Pre-requisite: none

Law 40S provides students with an introduction to the principles, practices, and consequence of law. Law 40S intends to increase student awareness and appreciation of the laws that govern and protect society.

Psychology 40S (1.0 credit)
Dept. of Ed. Code: 1010
Pre-requisite: none

This course provides an introduction to the world of psychology – the scientific analysis of behavior and mental activity from the biological, social and individual perspectives. Major topics include: history of psychology, psychological research methods, how the brain and body work, life changes/stages, learning and cognitive processes, personality and individuality, psychological disorders, social psychology and psychology as a profession.

Skills for Success 15G (0.5 credit)
Dept. of Ed. Code: 7698
Pre-requisite: none

Students will learn about time management skills, study techniques and how to use learning strengths to achieve success. Skills covered are: organization, goal setting, time management, memorization, textbook reading, note taking and stress management. Students will also learn test taking strategies as well as proper documentation and citation techniques for research assignments. Enrollment in this course is based on a recommendation from the sending school and/or parent(s)/guardian(s).

Social Studies: Global Issues 40S (1.0 credit)
Dept. of Ed. Code: 1128
Pre-requisite: none

Current events are examined along with inquiries into a variety of topics such as: media, consumerism, environment, wealth and power, indigenous people, peace and conflict, oppression and genocide, health and biotechnology, gender politics, social justice and human rights. Students are required to research and implement a take action project at a local, national or international level.

TECHNICAL/VOCATIONAL

THE FOLLOWING COURSES WILL BE OFFERED AT NELSON MCINTYRE COLLEGIATE **AS SPACE ALLOWS**.

Food & Nutrition 15S (0.5 credit)
Dept. of Ed. Code: 0489
Co-requisite: Textile Arts & Design 15S

Students will explore the basics of nutrition and healthy eating. Topics emphasized include Canada's food guide, understanding of personal eating behaviors, kitchen safety, accurate measurement, tools and their uses, food preparation skills and techniques. Practical labs, twice per week, will support and enhance classroom theory. **This course must be taken together with Textile Arts & Design 15S.**

Food & Nutrition 25S (0.5 credit)
Dept. of Ed. Code: 0489
Co-requisite: Textile Arts & Design 25S

Students will gain a greater understanding of the 6 essential nutrients that our bodies need, and discover the strong link between eating habits and lifelong health and wellness. Food labs, twice per week, will support and enhance classroom theory. **This course must be taken together with Textile Arts & Design 25S.**

Food & Nutrition 30S (1.0 credit)
Dept. of Ed. Code: 0489
Pre-requisite: none

This course promotes the development of personal health by exploring the psychology of food choices and provides the opportunity for self-assessment of eating habits. Current food trends are explored and analyzed as well as diet related concerns such as fad diets and sports nutrition. We celebrate cultural diversity by examining the culinary regions of Canada, and focus on the food

industry unique to Manitoba. Food labs, twice per week, will support and enhance classroom theory.

Food & Nutrition 40S (1.0 credit)
Dept. of Ed. Code: 0489
Pre-requisite: none

Students are challenged with the current issues of hunger, both locally and globally and also study the global food supply. This leads into the study of international foods and research on a country of choice. We explore the latest in food technology: irradiated foods, genetically modified foods and organic food. And finally, concentrate on developing life skills by planning nutritional meals within a limited budget. **(Note: The course with the greater enrollment between Food & Nutrition 40S and Textile Arts & Design 40S will be the one that will be offered in the current year.)**

Power Mechanics 15G (0.5 credit)
Dept. of Ed. Code: 7966
Co-requisite: Pre-Engineering 15G

This course will enable students to explore and relate the significance of auto mechanics to the needs of individuals, industry and society, and to develop safe practices in the use of machines and processes. Topics include: student orientation & safety, fasteners and gaskets, theory of engine operation, fuel systems, basic electrical systems, wheels, hubs, tires, tool identification and use, use of manuals, lubrication systems, lubricants and bearings, cooling systems, basic ignition systems, arc and gas welding. **This course must be taken together with Pre-Engineering 15G.**

Power Mechanics 25G (0.5 credit)
Dept. of Ed. Code: 7966
Co-requisite: Pre-Engineering 25G

This course is designed to increase students' awareness and understanding of various automotive practices and processes and to relate their significance to various automotive systems. Topics include: student orientation and safety, brake systems, ignition system – tune ups, fuel systems – carburetion, drive line clutch, gas and arc welding, engine type, engine tests and measurements, suspension, steering system, heating and air-conditioning, transmission. **This course must be taken together with Pre-Engineering 25G.**

Power Mechanics 30S (1.0 credit)
Dept. of Ed. Code: 7965
Pre-requisite: none

Students will increase their awareness and understanding of various automotive practices and processes. They will perform various repairs and maintenance functions on various automotive systems and continue to develop safe practices. Topics include: student orientation and safety, automatic transmissions, emission controls, heating and air conditioning, electrical systems, and exhaust systems.
This course is not offered during the 2021-22 school year, but will be offered in the 2022-23 school year in lieu of Pre-Engineering 30S.

Power Mechanics 40S (1.0 credit)
Dept. of Ed. Code: 7965
Pre-requisite: none

Students will rebuild various automotive components to increase awareness of, and their suitability for, the employment market. Topics include: student orientation and safety, engine head rebuild, MIG welding, engine diagnostic analysis, carb rebuild, fuel injection service, starter and alternator rebuild, and automatic transmission rebuilds.
This course is not offered during the 2021-22 school year, but will be offered in the 2022-23 school year in lieu of Pre-Engineering 40S.

Pre-Engineering 15G (0.5 credit)
Dept. of Ed. Code: 0214
Co-requisite: Power Mechanics 15G

Introduction to Engineering is an applied science course where students apply knowledge from academic courses to design and build solutions to problems. In this course, students work in a technology lab environment to **build hands-on projects**. Students will develop technical skills and knowledge while working with a variety of machines (3D printers, CNC routers, power tools, etc.) and materials (wood, metal, plastic, etc.) to build projects. Course topics include lab safety and management, engineering design process, communication, mechanical engineering, electrical engineering, civil engineering, environmental engineering, and robotic engineering. This course allows students to develop a foundation of technical skills and knowledge while participating in hands-on projects in a technology lab environment. Students will improve upon their problem-solving skills while taking part in various areas of study. This course may lead students to post-secondary studies in a related field or simply provide useful knowledge. It will also provide opportunities to practically apply many concepts taught in other courses

such as Mathematics, Science, History and Geography. However the knowledge gained in this course is applied, it will prove to be a substantial and practical learning experience for all students involved. **This course must be taken together with Power Mechanics 15G.**

Pre-Engineering 25G (0.5 credit)
Dept. of Ed. Code: 7952
Co-requisite: Power Mechanics 25G

Introduction to Engineering is an applied science course where students apply knowledge from academic courses to design and build solutions to problems. In this course, students work in a technology lab environment to **build hands-on projects**. Students will develop technical skills and knowledge while working with a variety of machines (3D printers, CNC routers, power tools, etc.) and materials (wood, metal, plastic, etc.) to build projects. Course topics include lab safety and management, engineering design process, communication, mechanical engineering, electrical engineering, civil engineering, environmental engineering, and robotic engineering. This course allows students to develop a foundation of technical skills and knowledge while participating in hands-on projects in a technology lab environment. Students will improve upon their problem-solving skills while taking part in various areas of study. This course may lead students to post-secondary studies in a related field or simply provide useful knowledge. It will also provide opportunities to practically apply many concepts taught in other courses such as Mathematics, Science, History and Geography. However the knowledge gained in this course is applied, it will prove to be a substantial and practical learning experience for all students involved. **This course must be taken together with Power Mechanics 25G.**

Pre-Engineering 30S (1.0 credit)
Dept. of Ed. Code: 7953
Pre-requisite: none

This course provides an overview of engineering careers, primarily through open-ended, hands-on design experiences. The information that will be provided to students is designed to support those experiences by providing guidance on course activities and information about the principles, methods, and professional skills that are essential to engineering design. Experience will be gained in developing and working in interdisciplinary teams. Written and oral communication skills will be honed, both through formal communications with classmates and instructors and through formal communication within teams. Proficiency with engineering drawing and graphical presentation of data will be developed.

Pre-Engineering 40S (1.0 credit)
Dept. of Ed. Code: 7953
Pre-requisite: none

This course provides an overview of engineering careers, primarily through open-ended, hands-on design experiences. The information that will be provided to students is designed to support those experiences by providing guidance on course activities and information about the principles, methods, and professional skills that are essential to engineering design. Experience will be gained in developing and working in interdisciplinary teams. Written and oral communication skills will be honed, both through formal communications with classmates and instructors and through formal communication within teams. Proficiency with engineering drawing and graphical presentation of data will be developed.

Textile Arts & Design 15S (0.5 credit)
Dept. of Ed. Code: 0488
Co-requisite: Food & Nutrition 15S

This course is a student-led course in textile design and construction. Students will have the opportunity to design and construct unique and individual textile products using the flat pattern method and/or by altering and making modification to commercial patterns. The emphasis of the end product is functionality (students will produce products that are in direct relationship to their needs while developing their sewing skills as well as problem solving technique). **This course must be taken together with Food & Nutrition 15S.**

Textile Arts & Design 25S (0.5 credit)
Dept. of Ed. Code: 0488
Co-requisite: Food & Nutrition 25S

This course is a student-led course in textile design and construction. Students will have the opportunity to design and construct unique and individual textile products using the flat pattern method and/or by altering and making modification to commercial patterns. Students will have an opportunity to develop specific areas of interest. **This course must be taken together with Food & Nutrition 25S.**

Textile Arts & Design 30S (1.0 credit)
Dept. of Ed. Code: 0488
Pre-requisite: none

This course is a student-led course in textile design and construction. Students will have the opportunity to design and construct unique and individual textile products using the flat pattern method and/or by altering and making modification to commercial patterns. In addition, students will be looking at the global effects of their clothing and textile choices with a focus on upcycling and altered couture.

Textile Arts & Design 40S (1.0 credit)
Dept. of Ed. Code: 0488
Pre-requisite: none

This course is a student-led course in textile design and construction. Students will have the opportunity to design and construct unique and individual products using the flat pattern method and/or by altering and making modification to commercial patterns. Students will explore the workings of the textile industry and explore marketability in relationship to project development. **(Note: The course with the greater enrollment between Textile Arts & Design 40S and Food & Nutrition 40S will be the one that will be offered in the current year.)**

UNIVERSITY NOW!

Applied Computer Science 42U (0.5 credit)
Dept. of Ed. Code: 4689
Pre-requisite: Computer Science 30S

This course introduces fundamental programming concepts using App Inventor. Students learn to develop and test programs that can run on Android phones and tablets. The framework we use for this is the App Inventor visual programming environment. The App Inventor framework runs on Windows, Macintosh, and Linux computers and includes an emulator for an Android phone (and so an actual Android phone or tablet is not needed). Topics include Android app architecture, software engineering principles, variables, functions, decision structures, iteration, lists, procedures, databases, user interface, events, and sensors.
Requirements:

- Student must have earned at least 22 Manitoba high school credits in three years or less, and
- Student must have completed at least one credit at the 40S or 41G level

English 42U (1.0 credit)
Dept. of Ed. Code:
Pre-requisite: English 30S

This course offers a full introduction to university-level literary study, including the reading of creative literature (poetry, fiction, or drama); the theory and practice of literary criticism; the role of historical and cultural factors influencing literary texts; and research skills.
Requirements:

- Student must have earned at least 22 Manitoba high school credits in three years or less, and
- Student must have completed at least one credit at the 40S or 41G level

Introduction to Calculus 42U (0.5 credit)
Dept. of Ed. Code: 4922
Pre-requisite: Pre-Calculus 40S (minimum 85%)

Students will learn the differentiation and integration of elementary functions, with applications to maxima and minima, rates of change, area, and volume. Through these components, students will learn its importance through a wide array of applications. The main objective will be to understand definitions of limit and derivative, and manipulate the properties and appreciate the applications.
Requirements:

- Completion of a minimum of 20 high school credits, including English 30S, Mathematics 30S and Social Studies 30S, with an overall average of at least 80% **(OR)**
- Completion of a minimum of 22 high school credits, including two-40-level courses with an overall average of at least 70%

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POST-SECONDARY INFORMATION LINKS

Students are encouraged to use the links below to assist them with their course selections in preparation for post-secondary education.

UNIVERSITY OF WINNIPEG

ADMISSION REQUIREMENTS:
http://www.uwinnipeg.ca/future-student/requirements/mb-hs-students.html

ADMISSION REQUIREMENTS FOR THE FACULTY OF EDUCATION:
http://www.uwinnipeg.ca/future-student/requirements/hs-pre-req-faculty-of-edu.html

PROGRAM FACT SHEETS:
http://uwinnipeg.ca/factsheets/index.html

UNIVERSITY OF MANITOBA

ADMISSION REQUIREMENTS:
https://umanitoba.ca/admissions/undergraduate/requirements

FIRST YEAR PLANNING GUIDE:
https://umanitoba.ca/current-students/first-year/planning

ST. PAUL'S COLLEGE (at University of Manitoba)
http://umanitoba.ca/colleges/st_pauls/membership.html

CANADIAN MENNONITE UNIVERSITY

ADMISSIONS:
https://www.cmu.ca

RED RIVER COLLEGE

ADMISSIONS:
https://www.rrc.ca/future-students/admission-requirements

www.sbdhs.net

St. Boniface Diocesan High School
282 Dubuc Street
Winnipeg, MB R2H 1E4
Phone: 204-987-1560; Fax: 204-237-9891