



# **Swan Valley Regional Secondary School**



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**English, French Immersion & Technology  
Course Registration Guide  
2025-2026**

The Swan River Valley lies between the Duck Mountains and the Porcupine Hills in Treaty 4 Territory. The town of Swan River is close to the Saskatchewan boundary in west-central Manitoba. Swan River acts as the hub to the surrounding communities of: Benito, Bowsman, Birch River, Minitonas, Sapotaweyak Cree Nation and Wuskwi Sipiik First Nation reserves and the other communities in the region. The population of Swan River according to Statistics Canada in 2016 was 4,014, with an additional 5,041 people living in the surrounding Municipalities of Minitonas-Bowsman, Mountain (North) and Swan Valley West.

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# Beliefs



## Learning

At SVRSS, we are focused on gaining knowledge and skills through experience and study. Everything we do focuses on providing learning opportunities for all members of our school community.

## Respect

At SVRSS, we are respectful of ourselves, others and the environment.

## Responsibility

At SVRSS, we are ready to learn. We are respectful of the school code of conduct. We accept responsibility for our own choices and actions.

## Safety

At SVRSS, we are making positive choices which keep everyone safe physically and emotionally.

Welcome to Swan Valley Regional Secondary School, a Grade 9 to 12 Academic and Vocational high school located in Swan River, Manitoba, providing the students of the Swan Valley region an opportunity to attain Academic, French Immersion and Vocational Technology Education diplomas.

The Swan Valley School Division is committed to the growth and development of the learner **within a safe learning environment** which strives to be challenging, supportive, tolerant and understanding of the individual needs of each learner.

### Course Guide

Swan Valley Regional Secondary School (SVRSS) provides this guide to assist students and parents and guardians in understanding the content of courses and the organization of high school programs. This guide is intended to be used in family discussions that will assist students in making wise program and course choices. Future career opportunities will be influenced by present course selections. Students should honestly assess their own personal interests, abilities, aspirations, and long-term plans and use this assessment as a guide for choosing courses.

After personal assessment and family discussion, students and/or parents will engage in pathway planning with school staff regarding course planning. Such planning is critical to meeting the requirements of post-secondary educational institutions or the workplace.

### Timetable

The school's timetable structure is a mixed semester system consisting of four (4) semestered courses and one non-semestered course. Each course is a cumulative amount of 110 hours to gain the credit. All courses are delivered within this instructional framework.

### BELL SCHEDULE

Bell Schedule	Semester 1	Semester 2
8:55 AM	Warning Bell	
9:00 AM – 10:10 AM	Block 1	Block 1
10:10 AM – 11:20 AM	Block 2	Block 2
11:20 AM – 11:55 PM	Block 3	
11:55PM – 12:50 PM	Lunch	
12:45PM	Warning Bell	
12:50 PM – 2:00 PM	Block 4	Block 4
2:00 PM – 2:35	TAG/RTI	
2:35 PM – 3:40 PM	Block 5	Block 5

#### TAG/RTI

To address student learning, mental wellness and to build connections the SVRSS has implemented Teacher Advisor Groups and tutorial time. This is in response to student data which identified the need for additional time in the student's day with their teachers. Students will use this time to review concepts, complete homework, prepare for assessments and complete missing assessments. Some of our Vocational areas are also open during this time for students to complete hands on projects.

\*Please Note the Bell Schedule is subject to change dependent on TAG/RTI running.

### Course Outlines

Course outlines are a requirement for all classes at Swan Valley Regional Secondary School. The course outlines will include the title of the course, a brief course description, the general learning outcomes, units of study, and an overview of the evaluation structure. These can be found on the school website: [www.svsd.ca/schools/svrss](http://www.svsd.ca/schools/svrss)

- Information such as bus closures, timetables for exams, current events, etc. can be found there as well

## **Student Assessment**

Assessment of student learning at SVRSS involves measuring students' on-going growth in meeting curricular outcomes (formative assessment) and as well their achievement of curricular outcomes (summative assessment). Measurement of student achievement will be used to determine the student's grade in a course, and these measurements will occur within every unit of study and at the end of the semester.

## **Provincial Standards Examinations**

Manitoba Education provides provincial exams to students. The province is currently considering moving to giving Provincial Exams in Grade 10. Grade 12 provincial exams have been reinstated. As these changes are in development, we will provide families with more information as it becomes available.

Students must write these examinations unless they meet the criteria for exemption. Exemptions are requested by the school and may be granted by the Manitoba Education for students in modified or individualized programs of study.

## **How to Select Courses**

When selecting a program of study for the coming school year, students and their parents are urged to consider the following:

- The student should select courses that are best suited to his or her particular abilities, interests, skills, and aptitudes taking into consideration future career or education plans.
- Students should select courses which will be reasonably challenging and can be completed successfully.
- Students are encouraged to consult teachers, a school counsellor, and/or a school administrator when selecting courses. The opinions and advice of the professional staff are readily available and may make decisions much easier.

In making choices, students should consult the entrance requirements of the universities, colleges, and other post-secondary institutions that they may plan to attend after graduation. Specific information is available from the counselors at our school.

\*Please note that courses are able to run based on minimum student enrollment and availability of SVRSS Teaching Staff.

## **How to Change Courses**

When selecting courses at the time of registration, students are making their choice for the entire school year. In the event that a change is requested, some opportunity to adjust timetables exists; however, any changes are subject to space availability.

Students and their parents are urged to consider the following:

- Course changes for each semester should be made as soon as the need is recognized. Changes must be completed before the end of the first week of classes in a given semester.
- Students who need or want to repeat a course from the first semester in the second semester will be accommodated only where space permits.
- Students who do not succeed at courses in the first semester may be required to make their next attempt in the following year.

## **Course Load Expectations**

- Grade 9-11 students are expected to maintain a full course load of 9 credits per academic year.
- Students in grade 12 are permitted adapted schedules, based on graduation requirements.

**The Registration Process**

Registration at SVRSS is a comprehensive plan that helps in assisting students and parents/guardians with the selection of courses for the next or upcoming school year. School counsellors and administration are consulted for clarification when necessary.

Timetable changes are made with the school counsellors or administration the week before school begins in the fall. If your student has an incomplete timetable, a meeting must be scheduled.

**Student Fees**

All students at SVRSS are required to pay a \$60.00 student fee annually. This fee includes a yearbook and supports student-based activities. Grade groups may have additional fees which reflect additional certificates being provided to all students such as First Aid.

**Credit**

A student who completes a course requiring approximately 110 hours earns 1 credit.

**Attendance**

All students are expected to attend in person learning with regular attendance to gain their credits. If a student is unable to attend in person, please speak to SVRSS Admin or Learning Support to discuss student programming.

SVSD Policy states that there must be a minimum of 80% of assessment evidence completed in the presence of the teacher.

Alternative Education options are limited and must be discussed with Administration. These will be considered with the best interest of the student's learning path.

## GRADUATION REQUIREMENTS

### GRADUATION REQUIREMENTS FOR THE ENGLISH LANGUAGE PROGRAM

#### MINIMUM 30 CREDITS

Grade 9	Grade 10	Grade 11	Grade 12
5 credits	5 credits	4 credits	3 credits
English 10F	English 20F	English - Select One:	English - Select One:
Mathematics - Select One:	Mathematics - Select One:	Comprehensive 30S	Comprehensive 40S
Math 10F 1 credit - 110 hours	Applied & Pre-Cal 20S	Literacy 30S	Literacy 40S
		Transactional Focus 30S	Transactional Focus 40S
Math 10F 2 credit - 220 hours	Essentials Mathematics 20S	History of Canada 30F	Mathematics - Select One:
Physical Education 10F	Geographic Issues of the 21st Century 20F	Mathematics - Select One:	Applied 40S
Science 10F	Physical Education 20F	Applied 30S	Essentials 40S
Canada in the Contemporary World 10F	Science 20F	Essentials 30S	Pre-Calculus 40S
		Pre-Calculus 30S	Physical Education - Select One:
		Physical Education - Select One:	Phys. Ed 40F - 25% in class
		Phys. Ed 30F	Phys. Ed 40F2 - 100% in class
		Phys. Ed 30F2 - 100% in class	Phys. Ed 40F3 Lifeguard - 100% in class
		Phys. Ed 30F3 Lifeguard - 100% in class	
ELECTIVES			

For a full explanation see [https://www.edu.gov.mb.ca/k12/policy/qgradreg/docs/qgrad\\_req\\_en.pdf](https://www.edu.gov.mb.ca/k12/policy/qgradreg/docs/qgrad_req_en.pdf)

### GRADUATION REQUIREMENTS FOR THE FRENCH IMMERSION PROGRAM

#### MINIMUM 30 CREDITS (14 FRENCH CREDITS / 15 For those graduating 2027)

The French Immersion Diploma is available to all French Immersion students. Students enrolled in the French Immersion Diploma program will receive some courses with the CollabauNord Consortium; some of which will either be delivered in a classroom or through the video conference system. Beginning with students Graduating in 2027, students must earn at least 15 credits from courses taught in French to meet the requirements of the French Immersion Program Diploma.

Grade 9	Grade 10	Grade 11	Grade 12
5 credits	5 credits	4 credits	3 credits
English 10F	English 20F	English - Select One:	English - Select One:
Physical Education 10F	Physical Education 20F	Comprehensive 30S	Comprehensive 40S
Mathematics - Select One:	Mathematics - Select One:	Literacy 30S	Literacy 40S
		Transactional Focus 30S	Transactional Focus 40S
Math 10F 1 credit - 110 hours	Applied & Pre-Cal 20S	Physical Education - Select One:	Physical Education - Select One:
Math 10F 2 credit - 220 hours	Appliquées et au pré-calcul 20S **	Phys. Ed 30F	Phys. Ed 40F - 25% in class
Mathématiques**	Essentials Mathematics 20S	Phys. Ed 30F2 - 100% in class	Phys. Ed 40F2 - 100% in class
Science - Select One:	Au Quotidien 20S **	Phys. Ed 30F3 Lifeguard - 100% in class	Phys. Ed 40F3 Lifeguard - 100% in class
Science 10F	Science - Select One:	Phys. Ed 30F - in French**	Phys. Ed 40F - in French**
Sciences De La Nature 10F	Science 20F	Mathematics - Select One:	Mathematics - Select One:
Social Studies - Select One:	Sciences de la nature 20F	Applied 30S	Applied 40S
Canada in the Contemporary World 10F	Social Studies - Select One:	Essentials 30S	Essentials 40S
Le Canada Dans le Monde Contemporain 10F	Geographic Issues of the 21st Century 20F	Au Quotidien 30S **	Au Quotidien 40S **
	Les enjeux géographiques du XXIe siècle 20F	Pre-Calculus 30S	Pre-Calculus 40S
		History - Select One:	
		History of Canada 30F	
		Histoire du Canada 30F	
ELECTIVES			
Français 10S	Français 20S	Français 30S	Français 40S

For a full explanation see [https://www.edu.gov.mb.ca/k12/policy/qgradreg/docs/qgrad\\_req-fi.pdf](https://www.edu.gov.mb.ca/k12/policy/qgradreg/docs/qgrad_req-fi.pdf)

**\*\*Courses offered by teleconference**

**Diploma Program:** Students are required to complete a minimum of 14 credits in French. Students will be assigned Français and 3 additional French courses.

**Certificate Program:** Students are required to complete 7-13 credits in French. Students will be assigned Français and one additional French course.

### GRADUATION REQUIREMENTS FOR THE TECHNOLOGY EDUCATION PROGRAM

#### MINIMUM 30 CREDITS (8 TECHNOLOGY CREDITS)

The Technology Education Program consists of 17 compulsory credits (see English Language Program above), plus 8 compulsory credits from an approved technical-vocational cluster or business education and marketing/applied commerce education cluster, plus 5 optional credits. An approved cluster must comprise departmentally developed and/or approved courses that facilitate the transition from school to work.

For a full explanation see [https://www.edu.gov.mb.ca/k12/policy/qgradreg/docs/qgrad\\_req\\_te\\_new.pdf](https://www.edu.gov.mb.ca/k12/policy/qgradreg/docs/qgrad_req_te_new.pdf)



### Technical Education Diploma

For a Province of Manitoba Technical Education Diploma, students must have a minimum of 8 credits from courses approved under the Senior Years Technology Education Program (\*at least 2\* must be from Grade 11 and 2\*\* from Grade 12). Students completing the technical education diploma may use ELA: Technical Communication 40S as their Grade 12 English requirement. School Initiated Courses can be used as part of the 30 Credits. (See following page). Up to three Student Initiated Projects can be used as part of the 30 credits.

### Technical-Vocational Clusters Include:

Applied Commerce Education	Automotive Technology Carpentry
Culinary Arts	Electrical Trades Technology
Graphic Design	Hairstyling
Heavy Duty Equipment Technology	Human Ecology
Motion Picture Arts	Resources and Environmental Management
Welding Technology	

Minimum graduation requirements **DO NOT** ensure acceptance into university or community college. ALL students pursuing post-secondary education need to check entrance requirements. **It is ultimately the responsibility of the student to ensure he/she meets the graduation requirements.**

**Double Certificate** – For students who wish to complete the Regular English Diploma as well as the Manitoba Technical Education Diploma requirements. (8 technical-vocational credits required or 8 Applied Commerce credits required within a cluster)

## ALTERNATIVE WAYS OF EARNING CREDITS

### **Community Service Credit:**

Students can earn one 11G, 21G, 31G, or 41G credit depending on the grade they are enrolled in at the time of the successful completion of 110 hours of community service volunteer work with a recognized non-profit registered community organization or agency. Community service hours can be accumulated over the High School years by volunteering at an agency. A student must register through Student Services before the start of the volunteer hours and meet all requirements as set out in procedures for the Community Service Credit.

### **Challenge for Credit:**

In exceptional circumstances, a student may challenge for a credit in a course in which they have already acquired the knowledge, skills and outcomes. If the administration approves the challenge, the student must complete a final assessment as determined by the appropriate subject area.

### **Credit For Employment:**

The Credit For Employment (CFE) offers students who are a minimum of 16 years of age the opportunity to earn a high school credit in the context of responsible work in an authentic paid work environment where they can develop essential and employability skills and apply health and safety awareness to the workplace. The CFE credit is available to provide students with the opportunity to earn up to 2.0 high school credits for paid employment. CFE can enrich students' understanding of the relevance of education and the importance of developing career readiness. Please see a counselor for more information regarding this credit option.

### **Credit Development Internship Credit:**

The Career Development Internship (CDI) offers students who are a minimum of 16 years of age the opportunity to participate in an internship placement, allowing them to earn a high-school credit while exploring their career interests. The CDI credit provides students with the opportunity to earn up to 2.0 high school credit(s) for an unpaid internship. Please see a counselor for more information regarding this credit option.

### **Private Music Option:**

A private music option under the direction of private teachers may be accepted for credit in each year of high school. The requirements for this option have been set up by the Universities and Departments of Education in Alberta, Saskatchewan, and Manitoba, acting through the Western Board of Music and Royal Conservatory of Toronto.

### **Special Language Credits:**

Manitoba high school students may claim special credit for languages not included in the regular high school program. See a counselor for more information.

### **Cadet Credits:**

Students may obtain two credits through participation in Cadet Programs outside the school. These credits may be counted in addition to the **30 credits** required for graduation.

### **Cultural Credit:**

Students may obtain one credit through participation in cultural exploration and activities. See a counselor for more information.

## HIGH SCHOOL APPRENTICESHIP PROGRAM

The High School Apprenticeship Program (HSAP) allows students the opportunity to start their apprenticeship training while still in high school or completing a high school program. It combines regular high school instruction with paid, part-time, on-the-job apprenticeship training.

The HSAP program provides practical, paid work experience and the opportunity to:

- Get hands-on experience using highly specialized, technological equipment
- Earn up to eight supplemental 40S credits for graduation
- Get paid at least 10 percent more than the minimum wage rate
- Apply their on-the-job training hours to continued full-time apprenticeship training following graduation.
- Use this work experience to get a full-time job
- Obtain an apprenticeship tuition exemption (up to a maximum of four in-school training levels) for every 220 hours of HSAP on – the – job training

## APPRENTICESHIP APPROVED PROGRAMS

The SVRSS offers accredited Level 1 technical training in the following areas:

Automotive Technology	Carpentry	Culinary Arts
Electrical Trades Technology	Hairstyling	Heavy Duty Equipment Technician
Welding Technology		

Each program requires additional hours with an employer to complete Level 1 standing with Manitoba Apprenticeship after their high school studies.

## DUAL CREDIT PROGRAM

Agreements between Manitoba Senior Years schools and colleges or universities allow students to take certain post-secondary courses while still attending high school. Upon the successful completion of the post-secondary course the student earns both a high school credit and a college/university credit. These are referred to as Dual Credits and are offered in the Health Care Aide option at the Grade 12 level.

## ADULT STUDENTS ATTENDING SVRSS

### Students with a high school diploma:

**For upscaling or Post Secondary requirements - Students aged 18 to 21 years can enroll in up to a maximum of four credits beyond graduation at no cost. For any courses beyond the maximum, a tuition of \$500.00 per course will be charged to the student. These fees are non-refundable.**

**For vocational opportunities see NITT program - Page 59-60.**

### Behaviour Expectations of adult students:

Students shall become familiar with the SVRSS – Code of Conduct and SVRSS Beliefs. These documents are available to view on the school's website.

### Attendance of adult students:

Regular attendance and punctuality is a necessity for success in school, but also transfers over into positive workplace ethics. Adult students will be removed from their program of study if lack of regular attendance becomes an issue.

For more information regarding Adult accredited programming please refer to page 55.

## ACADEMIC COURSES

### ENGLISH

The English Language Arts Department provides our students with engaging and stimulating learning experiences as they work towards assisting our students in meeting the learning outcomes as outlined within Manitoba Education's approved curriculums.

Graduation from the Province of Manitoba requires a completed English Language Arts credit at each grade level. The Grades 9, 10, 11, and 12 English Language Arts courses are all single semester, single credit courses. Students completing their compulsory Grade 12 English Literary Focus or Comprehensive Focus will write a Provincial English Language Arts Standards Test which counts for 25% of the final grade of that credit course.

*\* Only available to students that have been previously identified.*

*\*\*Grade 12 English Required*

*\*\*\*The English Technical Communication 40S course is only for those students completing the Manitoba Technical Education Diploma.*

Grade 9	Grade 10	Grade 11	Grade 12
English 10F	English 20F	ELA: Literary Focus 30S	ELA: Literary Focus 40S
		ELA: Comprehensive Focus 30S	ELA: Comprehensive Focus 40S
		ELA: Transactional Focus 30S	ELA: Transactional Focus 40S
			ELA: Language & Technical Communication 40S

## ACADEMIC COURSES

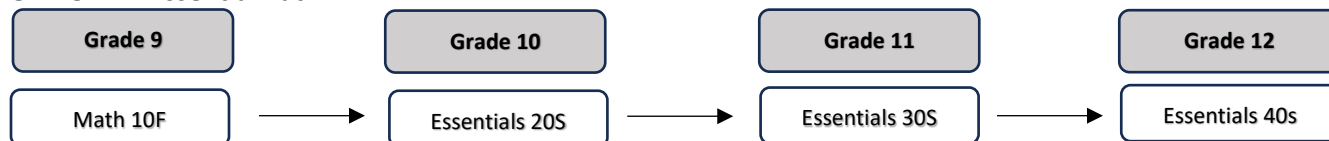
ENGLISH		
Course Code	Course Description	Prerequisites
<b>Grade 9 ELA10F</b>	<b>0001 ENGLISH LANGUAGE ARTS 10F</b> This course continues to support language development of all Grade 9 students. Students learn to understand, appreciate and use language in everyday life. They use language to understand and make personal connections to ideas that are presented in different ways such as advertisements, editorials, websites, magazine articles, diaries, and plays. Students also learn to communicate information, ideas and opinions keeping in mind the reason for communication and who will read, see or listen to it.	<b>None</b>
<b>Grade 10 ELA20F</b>	<b>0001 ENGLISH LANGUAGE ARTS 20F</b> This course continues to support language development of all Grade 10 students. Students learn to understand, appreciate and use language in everyday life. They use personal experiences and other strategies to understand ideas that are presented in different ways such as legends, situation comedies and human-interest stories. Students also learn to communicate their ideas in writing, dramatizations, websites, posters and other forms.	<b>ELA10F</b>
<b>Grade 11 ELA30SC</b>	<b>0092 ENGLISH LANGUAGE ARTS: COMPREHENSIVE FOCUS 30S</b> This course balances practical and literary purposes and uses of language. Students explore and use language for practical purposes such as to inform, direct, persuade, plan, analyze, and explain. They also explore the literary use of language in texts that promote understanding and empathy, reflect culture, express feelings and experiences and bring enjoyment. During the course, students communicate orally, in writing and visually.	<b>ELA20F</b>
<b>Grade 11 ELA30SL</b>	<b>0093 ENGLISH LANGUAGE ARTS: LITERARY FOCUS 30S</b> This is a course for students who wish to focus on creative and literary forms of language. Students study and produce a variety of spoken, written and visual texts that promote understanding and empathy, reflect culture, express feelings and experiences, and bring enjoyment. Students may also study and produce reviews, discussions or interpretations of various texts.	<b>ELA20F</b>
<b>Grade 11/12 ELA30ST ELA40ST</b>	<b>0094 ENGLISH LANGUAGE ARTS: TRANSACTIONAL FOCUS 30S/40S</b> These courses focus on the day-to-day use of language for a variety of practical purposes. Students read, watch, listen and respond to various forms of communication. They speak, write and communicate visually for different purposes including informing, persuading, analyzing and explaining. Students may, for example, critically examine television commercials and news broadcasts, write articles and editorials, or listen to radio broadcasts and speeches to gather information and ideas. The students in the Grade 12 course will be expected to write the Grade 12 Provincial Exam.	<b>Based on Teacher Referral</b>
<b>Grade 12 ELA40SC</b>	<b>0092 ENGLISH LANGUAGE ARTS: COMPREHENSIVE FOCUS 40S</b> This course balances practical and literary purposes and uses of language. Students explore and use language for practical purposes such as to inform, direct, persuade, plan, analyze, and explain. They also explore the literary use of language in texts that promote understanding and empathy, reflect culture, express feelings and experiences and bring enjoyment. During the course, students communicate orally, in writing and visually. Students are required to write a provincial exam.	<b>ELA30SC ELA30SL ELA30ST</b>
<b>Grade 12 ELA40SL</b>	<b>0093 ENGLISH LANGUAGE ARTS: LITERARY FORMS 40S</b> This is a course for students who wish to focus on creative and literary forms of language. Students study and produce a variety of spoken, written and visual texts that promote understanding and empathy, reflect culture, express feelings and experiences, and bring enjoyment. Students may also study and produce reviews, discussions or interpretations of various texts. Students are required to write a provincial exam.	<b>ELA30SC ELA30SL ELA30ST</b>
<b>Grade 12 ELA40STC</b>	<b>0030 ENGLISH LANGUAGE ARTS: LANGUAGE AND TECHNICAL COMMUNICATION 40S</b> This course is designed to help students process and manage technical information and produce clear, practical and technical documents. It also enhances students' problem solving and collaborative skills and asks them to apply project development and management strategies. Students study and produce a variety of spoken, written and visual texts in order to clearly convey information in a variety of ways. <b>This course is not typically accepted for university entrance.</b>	<b>ELA30SC ELA30SL ELA30ST</b>

## ACADEMIC COURSES

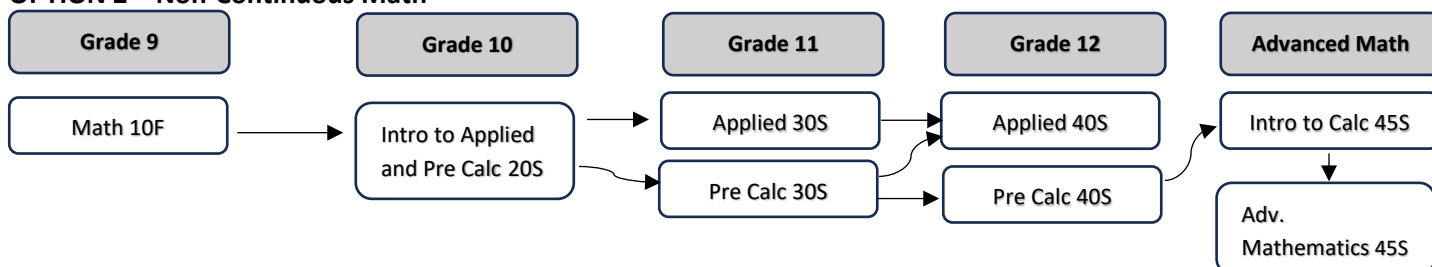
### MATH

Graduation from the Province of Manitoba requires that all students have a completed Mathematics credit at each grade level.

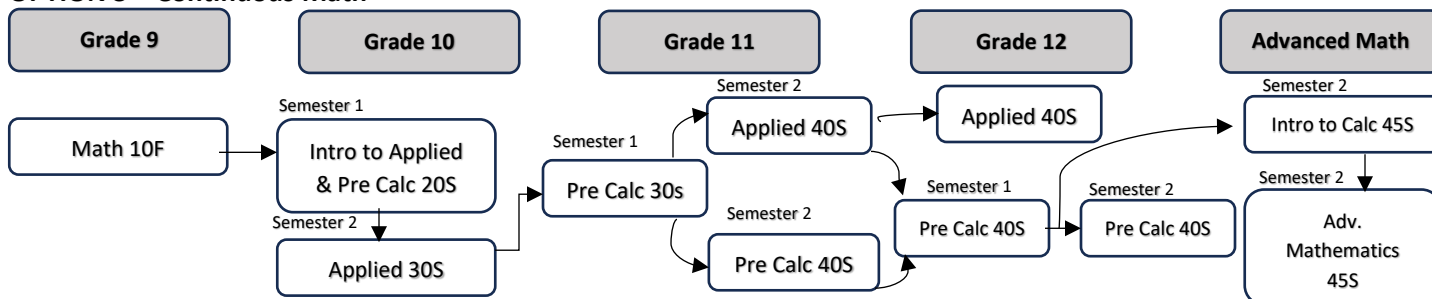
#### OPTION 1 - Essential Path



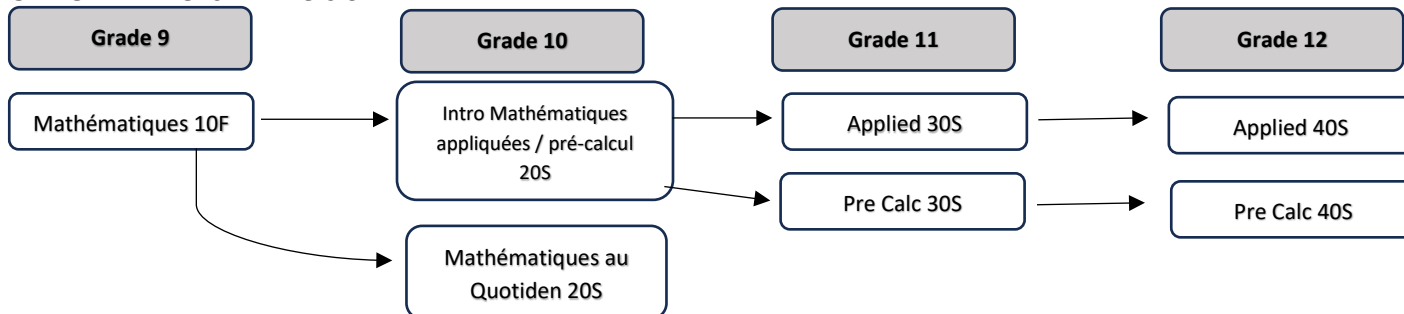
#### OPTION 2 – Non-Continuous Math



#### OPTION 3 – Continuous Math



#### OPTION 4 – French Immersion



\*Students may switch from continuous to non-continuous or vice versa during the course registration process at each grade level.

\*Students wanting EXTRA TIME for Grade 12 Pre-Calculus should register for Advanced Math 45S. This is to provide extra time

## ACADEMIC COURSES

<b>MATHEMATICS</b>		
<b>Course Code</b>	<b>Course Description</b>	<b>Prerequisites</b>
<b>Grade 9 MAT10F/ MATF10F</b>	<b>0080 MATHEMATICS 10F/MATHÉMATIQUES 10F</b> Grade 9 Mathematics prepares all students to continue mathematics studies in the following high school years. All students can benefit from a general understanding of mathematics for their personal and work-related use and for the future, regardless of their career and/or post-secondary educational choices. Some of these students will need in-depth studies in mathematics for their post-secondary program and therefore will need to take specific Grades 10 to 12 mathematics courses. Grade 9 Math contains the same four areas since Kindergarten: the Number strand, the Patterns and Relationships strand, the Shape and Space strand and the Statistics and Probability strand. The topics studied in this course include: Number – Rational Number Sense, Powers and Exponents, Patterns and Relations – Linear Relations and Polynomials, Shape and Space – Circle Geometry, Symmetry and Similarity and Statistics and Probability. * 110 hours: Students will receive one credit and be enrolled in our non-semester block 3 or on alternate days throughout the year. Recommended for students who will be able to maintain a fast pace and keep up with classroom expectations should be enrolled in this class.	<b>None</b>
<b>Grade 9 MAT10T &amp; MAT10F</b>	<b>3923 TRANSITIONAL MATHEMATICS 10T/0080 MATHEMATICS 10F</b> Grade 9 Mathematics prepares all students to continue mathematics studies in the following high school years. All students can benefit from a general understanding of mathematics for their personal and work-related use and for the future, regardless of their career and/or post-secondary educational choices. Some of these students will need in-depth studies in mathematics for their post-secondary program and therefore will need to take specific Grades 10 to 12 mathematics courses. Grade 9 Math contains the same four areas since Kindergarten: the Number strand, the Patterns and Relationships strand, the Shape and Space strand and the Statistics and Probability strand. The topics studied in this course are: Number – Rational Number Sense, Powers and Exponents, Patterns and Relations – Linear Relations and Polynomials, Shape and Space – Circle Geometry, Symmetry and Similarity and Statistics and Probability. * 220 hours: Students may receive up to two credits and will be enrolled in a math class for the entire school year. The extra time in math will review prior knowledge needed for new concepts, master the topics of Grade 9 math.	<b>None</b>
<b>Grade 10 MAT20SE/ MATF20SE</b>	<b>3000 ESSENTIAL MATHEMATICS 20SE</b> The Essential Mathematics courses in Grades 10, 11 and 12 are for students interested in post-secondary studies that do not require advanced mathematics. These courses are also for students wanting to learn mathematics for their personal and work-related use after high school, and for some of the trade apprenticeship programs. The topics studied in Grade 10 Essential Mathematics are: Analysis of Games and Numbers, Personal Finance, Measurement, 2D Geometry, Trigonometry, Consumer Decisions, Transformations and Angle Construction.	<b>MAT10F</b>
<b>Grade 10 MAT20SAP/ MATF20SAP</b>	<b>3905 INTRODUCTION TO APPLIED AND PRE-CALCULUS MATHEMATICS 20S/ INTRODUCTION AUX MATHÉMATIQUES APPLIQUÉES ET PRÉ-CALCUL 20S</b> This course is for students who may be interested in post-secondary programs that require further study in mathematics. Students learn to use mathematics to solve problems related to real life situations, often using technology such as graphing calculators or computer software. They also learn to use algebra and abstract mathematics to solve problems that may or may not be related to real life situations. It is recommended that students earn a credit in this course in order to continue in either Grade 11 Applied Mathematics or Grade 11 Pre-Calculus Mathematics. The topics studied in this course are: Measurement (Linear, Surface Area and Volume), Trigonometry, Coordinate Geometry, (Characteristics of Linear Relations and Line Segments), Linear Functions, Systems of Linear Equations, Algebra – Polynomial Factoring, and Roots and Powers.	<b>MAT10F</b>
<b>Grade 11 MAT30SA</b>	<b>3903 APPLIED MATHEMATICS 30S</b> This is a course for students interested in post-secondary programs that do not require a study of theoretical mathematics such as Calculus or Linear Algebra but may involve further study in applied mathematics courses such as Statistics. Students learn to use mathematics to solve problems related to real life situations, often using technology such as graphing calculators. It is recommended that students earn a credit in this course or in Grade 11 Pre-Calculus Mathematics to continue in Grade 12 Applied Mathematics. The topics studied in Grade 11 Applied Mathematics are: Analyzing Puzzles and Games, Quadratic Functions, Scale, Trigonometry, Inductive and Deductive Reasoning, Statistics and Mathematics Research Project.	<b>MAT20SAP</b>

<b>MATHEMATICS (Continued)</b>		
<b>Course Code</b>	<b>Course Description</b>	<b>Prerequisites</b>
<b>Grade 11 MAT30SE/ MATF30SE</b>	<b>3000 ESSENTIAL MATHEMATICS 30S</b> The Essential Mathematics course is for students who are interested in post-secondary studies that do not require advanced mathematics. It is also for students wanting to learn mathematics for their personal and work-related use after high school, and for some of the trade apprenticeship programs. The topics studied in this course are Analysis of Games and Numbers, Interest and Credit, 3-D Geometry, Statistics, Managing Money, Relations and Patterns, Trigonometry and Design Modeling.	<b>MAT20SE MAT20SAP</b>
<b>Grade 11 MAT30SP</b>	<b>3939 PRE-CALCULUS MATHEMATICS 30S</b> This is a course for students who are interested in post-secondary programs that may require further study in theoretical mathematics such as Calculus or Linear Algebra. Students learn to use algebra to solve problems that may or may not be related to real life situations. It is recommended that students earn a credit in this course to continue in Grade 12 Pre-Calculus Mathematics. The topics studied in this course are: Radical and Rational Equations, Absolute Value of Numbers and Functions, Quadratic Functions and Equations, Sequences and Series, Trigonometry and Inequalities and Systems of Equations.	<b>MAT20SAP</b>
<b>Grade 12 MAT40SA</b>	<b>3903 APPLIED MATHEMATICS 40S</b> This is a course for students interested in post-secondary programs that do not require a study of theoretical mathematics such as Calculus or Linear Algebra but may need further study in applied mathematics courses such as Statistics. Students learn to use mathematics to solve problems related to real life situations, often using technology such as graphing calculators. The topics studied in this course are Analysis of Games and Numbers, Financial Mathematics, Logical Reasoning, Relations and Functions, Design and Measurement, Probability, Mathematics Research Project.	<b>MAT30SA</b>
<b>Grade 12 MAT40SE/ MATF40SE</b>	<b>3000 ESSENTIAL MATHEMATICS 40S</b> This course is for students who are interested in post-secondary programs that do not require advanced mathematics. It is also for students wanting to learn mathematics for their personal and work-related use after high school, and for some of the trade apprenticeship programs. The topics studied in this course are Analysis of Games and Numbers, Vehicle Finance, Statistics, Precision Measurement, Career Life, Home Finance, Geometry and Trigonometry, Business Finance and Probability.	<b>MAT30SE OR MAT30SA OR MAT30SP</b>
<b>Grade 12 MAT40SP</b>	<b>3939 PRE-CALCULUS MATHEMATICS 40S</b> This course is for students who are interested in post-secondary programs that may require further study in theoretical mathematics such as Calculus or Linear Algebra. Students learn to use algebra to solve problems that may or may not be related to real life situations. The topics studied in this course are Trigonometry and the Unit Circle, Trigonometric Equations and Identities, Function Transformations, Operations, Compositions, and Inverses, Exponential and Logarithmic Functions, Polynomial Functions, Radical Functions, Rational Functions, Permutations, Combinations and the Binomial Theorem.	<b>MAT30SP</b>
<b>OPTIONAL CREDITS</b>		
<b>Grade 12 CAL45S</b>	<b>3940 INTRODUCTION TO CALCULUS 45S</b> Calculus 45S is offered as an optional 1/2 credit course to motivated students who wish to have an introduction to areas of mathematics which will be studied in depth in post-secondary programs. The calculus program is divided into 4 units: limits, derivatives of functions, applications of derivatives, and integration.	<b>MAT40SP</b>
<b>Grade 12 AMM45S</b>	<b>3900 ADVANCED MATHEMATICS 45S</b> This program introduces topics which will appear in a wide range of mathematical fields. For a half credit, 4 topics will be chosen from the following options: Complex Numbers & Polar Coordinates, Statistics, Number Theory, Matrices and Systems of Equations, 3D Geometry, Vectors, Conic Sections, Calculus topics, et. al. Students who enroll in CAL45S may also register for this course. The purpose of this course is to assist those students who will be required to take post-secondary mathematics.	<b>MAT40SP</b>



## PHYSICAL EDUCATION/HEALTH

The Physical Education Department provides our students with engaging and stimulating learning experiences as they work towards assisting our students in meeting the learning outcomes as outlined within Manitoba Education's approved curriculums.

Graduation from the Province of Manitoba requires that all students have a completed Physical Education credit at the Grade 9, 10, 11, and 12 levels.

The Grade 9 and 10 credits are designed as 100% in class courses and will increase the students' understanding of health and will contribute to the personal levels of fitness and health through active participation in a variety of activities.

The Grade 11 and 12 credits are designed to meet the same learning outcomes; however, different course delivery formats are available to provide students with flexible options that would best meet their learning and scheduling requirements.

Students requiring more information regarding any of the listed credits are asked to speak to their respective counselor or any member of the Physical Education Department.

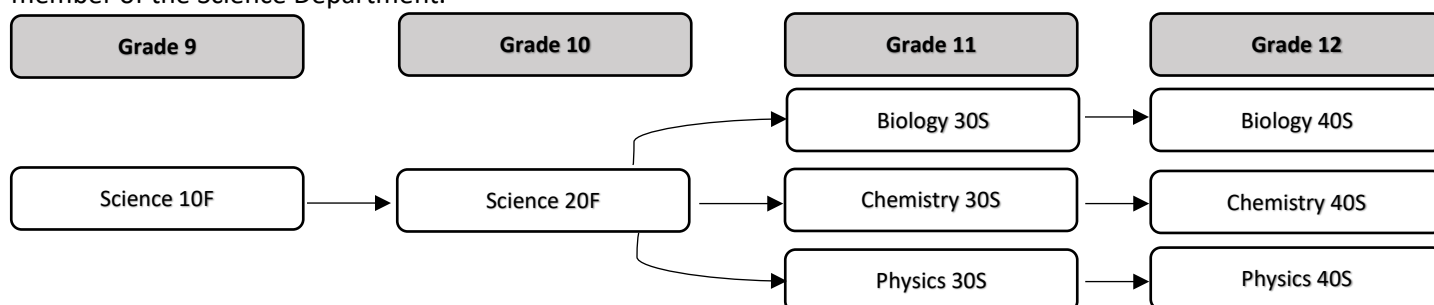
Grade 9	Grade 10	Grade 11	Grade 12
Physical Education 10F	Physical Education 20F	Physical Education 30F 25% in 75% Out of Class	Physical Education 40F 25% in 75% Out of Class
		Physical Education 30F Lifeguard Course 100% in Class	Physical Education 40F Lifeguard Course 100% in Class
		Education Physique 30F 25% in 75% out of Class	Education Physique 40F 25% in 75% out of Class
		Physical Education 30F 100% In	Physical Education 40F 100% In

PHYSICAL EDUCATION/HEALTH		
Course Code	Course Description	Prerequisites
<b>Grade 9 PED10F</b>	<b>0169 PHYSICAL EDUCATION 10F</b> This is a course to help students gain knowledge and develop skills and attitudes for healthy living. It also helps students develop skills for participating in physical activities and sports and working on their personal fitness. This course targets the areas of movement, fitness management, safety, personal and social management, healthy lifestyle practices.	<b>None</b>
<b>Grade 10 PED20F</b>	<b>0169 PHYSICAL EDUCATION 20F</b> This is a course to help students gain knowledge and develop skills and attitudes for healthy living. It also helps students develop skills for participating in physical activities and sports and working on their personal fitness. This course targets the areas of movement, fitness management, safety, personal and social management, healthy lifestyle practices.	<b>PED10F</b>
<b>Grade 11/12 PED30F/40F PEDF30F/40F (Francais)</b>	<b>0169 PHYSICAL EDUCATION/ÉDUCATION PHYSIQUE FRANCAIS 30F/40F 25% IN 75% OUT OF CLASS</b> This course is designed to engage youth in active lifestyles now and into the future. The health component will focus on fitness management, mental health, substance use & abuse prevention, and the social impact of sport. The physical activity component will be planned between the student and the teacher, reflecting their interests in pursuing an active healthy lifestyle. Students may choose to complete their active component through a variety of field trip experiences exploring recreational opportunities in our community. Students will be graded for completion of the course with Complete (CO) or Incomplete (IN) designation.	<b>PED20F PED30F</b>
<b>Grade 11/12 PED30F/40F</b>	<b>0169 PHYSICAL EDUCATION 30F/40F – LIFEGUARD</b> This course includes all the prerequisites to become a National Lifeguard, the industry standard to be employed as a lifeguard. Certification in standard first aid, bronze medallion, bronze cross and national lifeguard are the focus of this course. Students will be graded for completion of this course with a Complete (CO) or Incomplete (IN) designation. <b>Course Fee: TBA Due the first week of the course.</b>	<b>PED20F</b>
<b>Grade 11/12 PED30F/40F</b>	<b>0169 PHYSICAL EDUCATION 30F/40F- 100% In</b> This course is designed to engage students in active lifestyles now and into the future. Students will cover the core units of Fitness Management, Nutrition and Healthy Relationships. Students will have input into what type of active fitness activities are going to be run during the class such as Outdoor Education etc.	<b>PED20F</b>

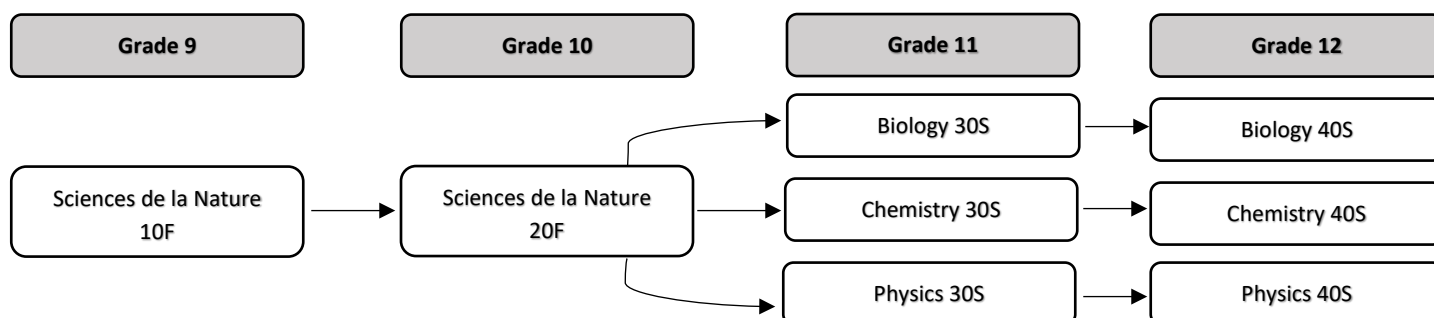
## SCIENCE

Graduation from the Province of Manitoba requires that all students complete a Grade 9 and Grade 10 Science credit. Students in Grades 11 and 12 can expand their science knowledge and experiences by registering into one or a combination of three streams of science studies. Biology, Chemistry, and Physics are the three science streams that are all available at the Grades 11 and 12 levels. Students considering post secondary options are recommended to enroll in a minimum of one non-compulsory science at the 30 and 40 level.

Students requiring more information regarding any of the listed credits please speak to one of the counselors or any member of the Science Department.



## French Immersion



## ACADEMIC COURSES

<b>SCIENCE</b>		
<b>Course Code</b>	<b>Course Description</b>	<b>Prerequisites</b>
<b>Grade 9 SCI10F SCIF10F</b>	<b>0120 SCIENCE 10F/SCIENCES DE LA NATURE 10F</b> A general science course that covers the following areas: Nature of Electricity, Atoms and Elements, Genetics and Human Reproduction and Exploration of the Universe. The goal of this science course is to expose the student to a wide variety of science issues and topics in a meaningful and challenging way.	<b>None</b>
<b>Grade 10 SCI20F SCIF20F</b>	<b>0120 SCIENCE 20F/SCIENCES DE LA NATURE 20F</b> A general science course that encourages scientific literacy. Class time is spent conducting experiments, gathering information, and analyzing it in the manner scientists would do. Areas concentrate on Chemistry in Action, Motion, Dynamics of Ecosystems, Weather Dynamics and Lab Safety.	<b>SCI10F</b>
<b>Grade 11 BIO30S</b>	<b>0124 BIOLOGY 30S</b> This course is an overview of the systems that constitute the human body as well as the processes that regulate it. The major theme of the course is homeostasis and its importance in all life processes. Personal wellness and healthy lifestyle choices are emphasized.	<b>SCI20F</b>
<b>Grade 11 CHE30S</b>	<b>0122 CHEMISTRY 30S</b> The goal is to understand how basic chemistry relates to technology and society in everyday life. Topics will include: the Periodic Table, Physical and Chemical Properties, Chemical Equations, Stoichiometry, Organic Chemistry, Liquids and Solutions, and Gas Laws.	<b>SCI20F</b>
<b>Grade 11 PHY30S</b>	<b>0123 PHYSICS 30S</b> This course is an introduction to physics that includes measurement, analytic and graphical analysis, and vectors as natural phenomenon in everyday life. Units include Waves, Motion and Momentum, Forces and Fields. Mathematical relationships and problem solving are emphasized.	<b>SCI20F</b>
<b>Grade 12 BIO40S</b>	<b>0124 BIOLOGY 40S</b> This course looks at how the cells nuclei direct protein synthesis. It also includes Genetics, Heredity and the Biochemical processes. The course continues with an introduction to the modern system of classification and a survey of the plant and animal kingdoms.	<b>SCI20F</b>
<b>Grade 12 CHE40S</b>	<b>0122 CHEMISTRY 40S</b> The course expands on the topics previously covered with emphasis on Electron Structure, Chemical Equilibrium, Rates of Reaction, Acid and Bases, Solubility, Oxidation-Reduction, and Electrochemistry.	<b>CHE30S</b>
<b>Grade 12 PHY40S</b>	<b>0123 PHYSICS 40S</b> This course is a continuation of grade 11 Physics – analyzing phenomenon in everyday life. The units of study include Work, Power and Energy, Light, Medical Physics, Electrostatics, Direct Current Electricity and Electromagnetism. As in Physics 30S, mathematical relationships and problem solving are a part of this course.	<b>PHY30S</b>

## SOCIAL STUDIES

Outcomes as outlined within Manitoba Education's approved curriculums.

Graduation from the Province of Manitoba requires that all students have a completed Social Studies credit at the Grade 9, 10, and 11 levels. The respective courses at each grade level are as follows:

- Grade 9 – Canada in the Contemporary World 10F
- Grade 10 – Geographic Issues of the 21<sup>st</sup> Century 20F
- Grade 11 – History of Canada 30F

**\*Please note that these courses are offered in alternating years:**

-Law / Psychology

-Geography: Physical / Agriculture

Grade 9	Grade 10	Grade 11	Grade 12
Canada in the Contemporary World 10F	Geographic Issues of the 21 <sup>st</sup> Century 20F	History of Canada 30F	Global Issues: Citizenship & Sustainability 40S
		*Agriculture 30S	Current Topics in FNMI Studies 40S
		*Geography Physical 30S	*Psychology 40S
			*Canadian Law 40S

## French Immersion

Grade 9	Grade 10	Grade 11	Grade 12
Le Canada dans le Monde Contemporain 10F	Les Enjeux Géographiques du 21 <sup>e</sup> Siècle 20F	Histoire Du Canada 30F	Psychologie 40S
			Droit 40S

<b>SOCIAL STUDIES</b>		
<b>Course Code</b>	<b>Course Description</b>	<b>Prerequisites</b>
<b>Grade 9 SST10F SSTF10F</b>	<b>0101 CANADA IN THE CONTEMPORARY WORLD 10F/LE CANADA DANS LE MONDE CONTEMPORAIN 10F</b> Canadian issues are the emphasis of this Grade 9 Social Studies course. The purpose is to give students an introduction and overview of our country. Topics covered include the physical base; political, legal and economic systems; Canada's international relationships; Canada's cultural base. Current affairs are an important part of the program.	<b>None</b>
<b>Grade 10 GIC20F GICF20F</b>	<b>1180 GEOGRAPHIC ISSUES OF THE 21st CENTURY 20F/ LES ENJEUX GÉOGRAPHIQUES DU 21E SIÈCLE 20F</b> This course helps students explore the nature and importance of world geography. Students examine the importance of the environment and of responsible management of resources. They also become aware of how their personal choices affect social, political, and economic issues of today. Maps, charts and news articles are some of the ways students explore the course content. Students learn to communicate their ideas in writing and through oral presentations, maps and diagrams, websites, and other forms. The course is divided into five areas of study: Geographic Literacy, Natural Resources, Food from the Land, Industry and Trade, and Urban Places.	<b>SST10F</b>
<b>Grade 11 HIS30F/ HISF30F</b>	<b>0105 HISTORY OF CANADA 30F/HISTOIRE DU CANADA 30F</b> This course helps Grade 11 students investigate aspects of Canadian history and understand the idea of citizenship. Students conduct research on guiding questions to learn about the history of Canada from before the arrival of Europeans to the present. Students practice historical thinking and build an understanding of the following themes in Canadian history: First Nations, Métis, and Inuit Peoples, French-English Duality, Identity, Diversity, and Citizenship, Governance and Economics, and Canada and the World.	<b>SST10F ELA20F</b>
<b>Grade 11 GEO30S</b>	<b>1124 GEOGRAPHY: PHYSICAL 30S</b> This course deals with various outcomes of physical geography, some of which have already been introduced in GIC 20F while others are presented for the first time. An important objective of the course is to understand how the earth is changing through natural processes and because of human activities. Further course objectives include the development of geographic skills and the use of technology in Geography. This will be a land-based course, incorporating experiential learning.	<b>GIC20F</b>
<b>Grade 11 AGR30S</b>	<b>0201 AGRICULTURE 30S</b> Students study the earliest beginnings of agriculture and the evolution of the different systems of farming over the centuries through the present high technology industry of today. The role of agriculture in society is studied. Students are given various opportunities for field trips to examine local agricultural enterprises.	<b>None</b>
<b>Grade 12 LAW40S DROIT40S</b>	<b>0580 CANADIAN LAW 40S/DROIT 40S (Available alternating years)</b> This course provides students with an introduction to the legal system as well as the principles, practices, and consequences of law with regards to torts, contracts, crimes, property rights, family and inheritance.	<b>None</b>
<b>Grade 12 PSY40S PSYF40S</b>	<b>1010 PSYCHOLOGY 40S/PSYCHOLOGIE 40S (Available alternating years)</b> This course introduces students to the major topics found in the field of psychology. Psychology is the scientific study of behavior and mental processes. It uses the scientific method to discover ways of understanding the complexities of human thought and behavior, as well as differences among people. Studying psychology gives students lifelong skills such as dealing with issues proactively, solving problems, learning, and nurturing healthy relationships.	<b>None</b>
<b>Grade 12 FNMI40S</b>	<b>0103 CURRENT TOPICS IN FIRST NATIONS, METIS, AND INUIT STUDIES 40S</b> Current Topics in First Nations, Métis, and Inuit Studies is a full credit course intended for Grade 11 and Grade 12 students. It examines Indigenous realities within contemporary and historic Canadian and global settings. The objective of the course is to provide both indigenous and non-indigenous students with the knowledge of indigenous cultures and traditions. The course is structured around five thematic clusters including Image and Identity; Relations with Government; Social Justice Issues; Indigenous Peoples and the World; and Celebrations of Learning.	<b>ELA20F</b>

<b>AGRICULTURE</b>		
<b>Course Code</b>	<b>Course Description</b>	<b>Prerequisites</b>
<b>Grade 10 AGR30S</b>	<b>0201 AGRICULTURE 30S</b> Students explore many issues not dealt with in detail in any other school curricula. Even for those who do not choose a career in agriculture, the course can provide new insights about the changes taking place in one of the pillars of the world economy. Students study the earliest beginnings of agriculture and the evolution of the different systems of farming over the centuries through the present high technology industry of today. The role of agriculture in society is studied. Students are given various opportunities for field trips to examine local agricultural enterprises	<b>None</b>

## ACADEMIC COURSES

### ARTS EDUCATION

The Drama, Music, and Visual Arts programs are intended to promote and inspire students to be artistic learners. Students can register for provincially approved and/or school-initiated credits in the following streams:

- Drama
- Music
  - Band
  - Jazz
  - Performing Arts
  - Guitar
- Visual Arts

### DRAMA

Grade 9	Grade 10	Grade 11	Grade 12
Drama 1A 10S	Drama 1A 20S	Drama 1A 30S	Drama 1A 40S

DRAMA		
Course Code	Course Description	Prerequisites
<b>Grade 9 DRA1A10S</b>	<b>0239 DRAMA 1A 10S</b> This course offers students the opportunity to explore dramatic forms and techniques, using material from a wide selection of sources and cultures. Students will use the building blocks of drama to study events and issues relevant to their own lives. Students will create, perform, discuss, and analyse drama, and then reflect on these experiences to develop an understanding of themselves, the art form and the world around them.	<b>None</b>
<b>Grade 10 DRA1A20S</b>	<b>0239 DRAMA 1A 20S</b> This course offers students the opportunity to explore dramatic forms, principles and techniques. Students will explore a wide variety of dramatic sources from various cultures that represent a comprehensive scope of genres. Students will use the elements of drama to communicate, respond and create in an interactive and inclusive environment. Students will be empowered to make decisions in the creative process, engage in critical self-reflection and receive feedback from others.	<b>None</b>
<b>Grade 11 DRA1A30S</b>	<b>0239 DRAMA 1A 30S</b> This course requires students to both create and perform in a dramatic exposition. Students will be provided the opportunity to analyse, interpret and perform dramatic works from various times, places, social groups and cultures. Students will be expected to research and consider a wide range of resources, conventions and disciplines to create an original drama that will be performed, directed and produced through class collaboration.	<b>None</b>
<b>Grade 12 DRA1A40S</b>	<b>0239 DRAMA 1A 40S</b> This course requires students to experiment with forms and conventions of the dramatic arts from various cultures and time periods. Students will interpret dramatic literature and explore how the theatre experience influences how we culturally have reflected, interpreted, and recorded traditions, values, beliefs, issues, and events in society and culture. Students will recognize the platform theatre provides to both educate and inform a community as well as the opportunity to develop personal skills, social awareness, and identity beyond secondary school.	<b>None</b>

## ACADEMIC COURSES

### MUSIC

Grade 9	Grade 10	Grade 11	Grade 12
Concert Band 10S	Concert Band 20S	Concert Band 30S	Concert Band 40S
Jazz Band 10S	Jazz Band 20S	Jazz Band 30S	Jazz Band 40S
Performing Arts 10S	Performing Arts 20S	Performing Arts 30S	Performing Arts 40S
Strings 10S	Strings 20S	Strings 30S	Strings 40S
Choral 10S	Choral 20S	Choral 30S	Choral 40S

MUSIC		
Course Code	Course Description	Prerequisites
<b>Grades 9-12</b> <b>MBA1A10S</b> <b>MBA1A20S</b> <b>MBA1A30S</b> <b>MBA1A40S</b>	<b>0258 MUSIC 1A: CONCERT BAND</b> The emphasis of this course is the performance of various musical styles and forms in a large ensemble setting. Members of the band program continue to develop their instrumental musicianship through the repertoire studied in class as well as opportunities to reflect and connect music to various times, places, and groups. Workshops, concerts, tours, and festivals are an intrinsic part of the band program.	Junior High Program would be an asset
<b>Grades 9-12</b> <b>MJA2A10S</b> <b>MJA2A20S</b> <b>MJA2A30S</b> <b>MJA2A40S</b>	<b>0260 MUSIC 2A: JAZZ BAND</b> Students learn to perform various styles of jazz music such as blues, swing, Latin and Rock through rehearsal, listening and jazz history. Members of the senior jazz band also learn the basics of jazz improvisation and arranging. This class is performance focused, and all members are required to participate in a variety of workshops, concerts, tours and festivals, as they are a pinnacle of jazz performance. Previous jazz experience is not required.	Junior High Program would be an asset
<b>Grades 9-12</b> <b>MPA3A10S</b> <b>MPA3A20S</b> <b>MPA3A30S</b> <b>MPA3A40S</b>	<b>0262 MUSIC 3A: PERFORMING ARTS</b> This course is for students who have already developed their instrumental and vocal skills who wish to polish their performance skills, learn more about live performances and study the music industry. Students work together as a small performance bank presenting songs from different eras and genres for critique and concert performance. This class is performance focused, and all members are required to participate in a variety of concerts and festivals, once the venues open up, as they are a pinnacle of the Performing Arts program. Interview with the instructor is required to determine appropriate skill levels.	Basic Instrument Playing and Music Reading Skills Guitar/Bass/Keyboard and Drums
<b>Grade 9-12</b> <b>MST5A10S</b> <b>MST5A20S</b> <b>MST5A30S</b> <b>MST5A40S</b>	<b>0266 MUSIC 5A: STRINGS</b> This is an introduction course to a stringed instrument. Students do not need to have any experience in playing, nor reading music. The learner will develop skills to produce music on their selected stringed instrument such as guitar, violin, etc. There will be public performances that students are required to participate in.	None
<b>Grade 9-12</b> <b>MCH6A10S</b> <b>MCH6A20S</b> <b>MCH6A30S</b> <b>MCH6A40S</b>	<b>0268 MUSIC 6A: Choral</b> For students to gain musical knowledge and choral skills while creating lasting high school memories through concert choir. Vocal and choral experience in a variety of styles and genres, from contemporary jazz, pop/rock, and traditional song. This class is performance focused and all members are required to participate in a variety of concerts and festivals.	None

\*Instruments: SVSD can provide a rental instrument. Please contact instructor for further details. Students are encouraged to bring their own instrument.



## ACADEMIC COURSES

### VISUAL ARTS

The Visual Arts program at SVRSS provides students with a visual arts education within a stimulating studio environment. After completing the program students acquire skills to develop as an independent artist, pursue a post-secondary art education and increase their understanding and enjoyment of the multi-media world. Professional applications of graduate skills are found in galleries, museums, film, television, photography, theatre, interior design, architecture, graphic design, teaching and multi-media communications.

<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
Visual Arts 1A 10S	Visual Arts 1A 20S	Visual Arts 1A 30S	Visual Arts 1A 40S

VISUAL ARTS		
Course Code	Course Description	Prerequisites
<b>Grade 9 VAR1A10S</b>	<b>0274 VISUAL ART 1A 10S</b> This course emphasizes the importance of composition through the development of visual awareness and art production. Students will study the Elements of Art: line, space, shape, value, texture and colour. They will explore various artistic techniques and media. Students will learn art vocabulary and develop skills in observation through discussions about media, technique and design in their artworks. Discussions about their work help students gain an understanding of the visual arts by expanding their frames of reference and revealing to them new ways of seeing and responding to their surroundings. Students are expected to develop an understanding of the importance of craftsmanship, composition and sketchbook research when completing their artwork.	<b>None</b>
<b>Grade 10 VAR1A20S</b>	<b>0274 VISUAL ART 1A 20S</b> This course stresses the importance of composition, developing technical skills, and introduces art appreciation. This course builds on the Elements of Art in Visual Arts 10S and introduces students to the Art Principles of Design; unity, balance, emphasis, contrast, rhythm, repetition, proportion/scale and economy. Students learn that art criticism is used to discuss how elements and principles affect each other in their compositions. Discussions about art and design are vital not only for understanding the visual arts, but for personal development. Students continue to strengthen their art production skills, sketchbook research and design planning when completing their artwork.	<b>None</b>
<b>Grade 11 VAR1A30S</b>	<b>0274 VISUAL ART 1A 30S</b> This course emphasizes visual awareness through the development of art production and art appreciation. Students will develop a critical approach to art by using discussions and critiques as valuable outlets for solving artistic problems. Viewing, describing, analyzing, interpreting and evaluating examples of art from historical to contemporary artists will provide opportunity for students to learn critical art appreciation. Students are expected to exhibit an understanding of craftsmanship, content and sketchbook research when completing their artwork.	<b>None</b>
<b>Grade 12 VAR1A40S</b>	<b>0274 VISUAL ART 1A 40S</b> This course challenges students to acquire a critical and informed perspective of their artwork. Students will be expected to assume responsibility for decision making at all levels of the creative process. The teacher will encourage and expect students to identify areas of concern and organize the resources and learning which are needed for making creative solutions to the problems encountered while making their artwork. In this final year of Visual Arts, students have the opportunity to develop their own expressive styles. Students must research and complete a specific number of artworks to demonstrate their abilities with various media and subject matter. Students will exhibit an understanding of craftsmanship, composition and content and sketchbook research when completing and critiquing their artwork.	<b>None</b>

## ACADEMIC COURSES

### LANGUAGES

The Swan Valley Regional Secondary School provides students with multiple opportunities to learn an additional language.

Options include:

- Cree
- Français
- French Communication and Culture

### CREE

Cree is being offered as an elective course for students interested in taking an additional language. Availability will depend on student interest and availability of an instructor.

Grade 9	Grade 9	Grade 9	Grade 9
Cree 11G	Cree 21G	Cree 31G	Cree 41G

CREE		
Course Code	Course Description	Prerequisites
Grade 9 -12 CRE11G CRE21G CRE31G CRE41G	<b>9042 Cree</b> This introductory course focuses on the basics of the Cree language. With five distinct dialects throughout Canada, instruction is on the “n” dialect originating from Swampy Cree. Participation with in-class and off-site language and cultural activities is encouraged for students to learn, practice, and display their oral skill development. Along with the implementation of traditional teachings, students learn to read, write, and speak at the basic level of proficiency in the Swampy Cree language.	None

## FRENCH IMMERSION

The French Immersion program at SVRSS is offered through the Collabunord Consortium. This is a partnership between the school divisions of Flin Flon, The Pas, Swan Valley and Dauphin to provide French programming at the High School Level for the French Immersion Diploma or the CPF Manitoba French Immersion Certificate.

Each community has one French Immersion teacher plus a video lab that receives instruction. Through advances in technology, our students are taught by a teacher in their own school or by a teacher of the consortium schools. The video lab has an EA in the classroom to provide support to the students and program. Each student can phone, fax, email or speak directly to their teacher, via the system, should they have questions.

There are three different options that SVRSS students can follow:

<u>Option 1 – French Immersion Diploma</u>	<u>Option 2 – CPF Manitoba French Immersion Certificate</u>	<u>Option 3 – Français</u>
14 credits in French must be earned in order to receive a French Immersion Diploma. The distribution of these credits are: <ul style="list-style-type: none"> <li>• 4 at Grade 9,</li> <li>• 4 at Grade 10,</li> <li>• 3 at Grade 11, and</li> <li>• 3 at Grade 12.</li> </ul> Français (or French Language Arts) must be taken at all four grade levels	<ul style="list-style-type: none"> <li>• Must successfully complete between 7 and 13 credits in French</li> <li>• Basic French Grades 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• Continue only in the Français program (French Language Arts) to keep your language skills</li> </ul>

**\*For students beginning in the 2024-2025 they will need to complete 15 credits in French Immersion.**

It is an opportunity for students and teachers to work together in order and enhance French Programming in rural Manitoba.

## FRENCH IMMERSION

Course Code	Course Description	Prerequisites
<b>Grade 9 FRA10F</b>	<b>0401 FRANÇAIS 10F</b> Students will be encouraged to express themselves accurately in French, and express themselves freely and creatively in a variety of forms (stories, poems, discussion, debates, reports, plays, etc.). French is the language of instruction in this course. Le français est la langue de ce cours. Les élèves doivent s'exprimer d'un bon français. On utilisera aussi de diverses formes pour s'exprimer librement d'une façon créatrice (des histoires, des poèmes, des chansons, des débats, des pièces, etc.) L'étude de la langue est une partie extrêmement importante de ce cours et on fait aussi bien attention à l'interprétation des œuvres littéraires qui conviennent au niveau scolaire.	<b>Grade 8 French Immersion Programming</b>
<b>Grade 10 FRA20F</b>	<b>0401 FRANÇAIS 20F</b> This course builds upon the French immersion student's existing knowledge and language abilities. The activities are focused on listening, speaking, reading, and writing. The language of instruction is French. Several short stories are explored for language, theme, development and enjoyment of literature. Other units may include the extensive study of a novel, one Molière play, some creative writing, grammar and word study. French is the language of instruction in this course. Les étudiants développent davantage leurs compétences en français. Les activités sont conçues pour améliorer la compréhension (écouter et lire) ainsi que pour développer les compétences de production (parler et écrire). Lorsque cela est possible, les étudiants sont placés dans une situation de communication française significative et pertinente grâce à l'utilisation de la conversation, du film, de la radio, de la télévision, etc. Ce cours a une forte composante de littérature (roman, drame, nouvelles et grammaire.) Lecture sur laquelle ils sont évalués à la fin du cours.	<b>FRA10F</b>
<b>Grade 11 FRA30S</b>	<b>0432 FRANÇAIS 30S</b> This course is intended to develop the students' knowledge of French. While the emphasis is on oral proficiency, students also read literary texts of an appropriate level. Writing skills are an integral part of the course. French is the language of instruction in this course. Les élèves continuent de développer des compétences en français. Les approches sont similaires à celles utilisées au niveau précédent.	<b>FRA20F</b>
<b>Grade 12 FRA40S</b>	<b>0432 FRANÇAIS 40S</b> This course continues the language acquisition of the earlier Senior Years courses. It encourages literary appreciation and critical thinking. French is the language of instruction in this course. Le développement des compétences linguistiques de l'élève en français se poursuit en mettant l'accent sur les aspects fonctionnels de la langue.	<b>FRA30S</b>
<b>Grade 9-12 LWEF10S LWPF20S LWOF30S LWTF40S</b>	<b>0097-00 VIE – TRAVAIL 10S/20S/30S/40S</b> The contents of this course is divided into five themes: Personal Management (Unit 1), Career Exploration (Unit 2), Learning and Planning (Unit 3), Job Seeking and Job Maintenance (Unit 4), and Career and Community Experiences (Unit 5). Emphasis throughout the course will be on personal introspection and career exploration. All four curricula provide learning outcomes that are necessary for a successful transition into life/work experiences for the future. Le contenu de ce cours est divisé en cinq thèmes : gestion personnelle (unité 1), exploration de carrière (unité 2), apprentissage et planification (unité 3), recherche d'emploi et maintien de l'emploi (unité 4) et expériences professionnelles et communautaires (unité 5). Tout au long du cours, l'accent sera mis sur l'introspection personnelle et l'exploration de carrière. Les quatre programmes d'études offrent des résultats d'apprentissage nécessaires à une transition réussie vers des expériences de vie et de travail pour l'avenir.	<b>None</b>

## FRENCH COMMUNICATION & CULTURE

The goals of the **French Communication and Culture** course are to give students the opportunity to acquire the necessary language skills to communicate in French, to value the learning of French as a tool for personal, intellectual, and social growth, to demonstrate an appreciation of francophone cultures and to further develop intercultural communication skills that are essential to all global citizens.

From grades 9 to 12, a balanced literacy approach (speaking, reading, writing), enriches the students' ability to communicate in French. Students express themselves orally and engage in conversation in a variety of situations pertaining to everyday life, social trends and global issues. To do this, students are expected to express opinions and feelings, make predications and judgements and use language to communicate complex ideas in all verb tenses and moods.

Students interested in advancing their French communicative skills have the option of registering for a French credit at each grade level. Students requiring more information regarding any of the listed credits are asked to speak to their respective counselor or any member of the French Department.

<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
French 10F	French 20F	French 30S	French 40S

FRENCH COMMUNICATION & CULTURE		
Course Code	Course Description	Prerequisites
<b>Grade 9 FRE10F</b>	<b>0403 FRENCH: COMMUNICATION AND CULTURE 10F</b> The greater part of the semester is spent reviewing and mastering basic skills, through oral communication, reading and writing, and discovering aspects of francophone cultures.	<b>None</b>
<b>Grade 10 FRE20F</b>	<b>0403 FRENCH: COMMUNICATION AND CULTURE 20F</b> This course will continue, through life experience situations, to maintain and expand upon the skills developed up to this point.	<b>FRE10F</b>
<b>Grade 11 FRE30S</b>	<b>0403 FRENCH: COMMUNICATION AND CULTURE 30S</b> At this level students are expected to communicate in the present, the past, and the future with ease. There will be continued development of communicative skills. There is a strong focus on grammar at this level.	<b>FRE20F</b>
<b>Grade 12 FRE40S</b>	<b>0403 FRENCH: COMMUNICATION AND CULTURE 40S</b> The greater part of the semester is spent on further developing the ability to communicate naturally and spontaneously. The students are expected to speak only French in the classroom.	<b>FRE30S</b>

### Swan Valley Regional Secondary Schools Accredited Apprenticeship Programs

- Automotive Technology
- Carpentry
- Culinary Arts
- Electrical
- Hairstyling
- Heavy Duty Equipment Technology
- Welding

### What does that mean for students?

If a student completes the 8 courses from the grade 10 to 12 level (20,30 and 40 level credits) with a mean average of over 70% they will earn:

- Half of the Level 1 Apprenticeship hours.
  - Automotive Technology = 900 hours
  - Carpentry = 900 hours
  - Culinary Arts = 900 hours
  - Electrical = 900 hours
  - Heavy Duty Equipment Technology = 900 hours
  - Welding = 900 hours
- Level 1 exemption on technical training once they formally register as an apprentice.

**Note:** Students must register with Apprenticeship within two years of graduation to receive these benefits.

**Exception:** Hairstyling students must complete all 12 courses from grade 9 to 12 with a mean average of over 70%. However, if they pass their Apprenticeship practical exam at the end of grade 12, they will leave SVRSS with 1400 of their required 1500 Level one hours and their complete Level one schooling. After formally applying to Apprenticeship MB, earning their final 100 hours, and being enrolled in Apprenticeship for one year, the student will successfully complete their Level one standing.

### High School Apprenticeship Program

- Students can earn up to eight Grade 12 (40 level) courses by enrolling in SVRSS HSAP program. Students earn a credit for every 110 hours worked in their trade.
- These hours are awarded once a student formally registers as an apprentice.
- At graduation students can apply for the HSAP incentive through Apprenticeship Manitoba. For every 220 hours worked, students will earn a tuition waiver at the college level. A transcript and Apprenticeship Blue Book must be submitted to Apprenticeship MB to earn this incentive.
- Students can begin registration process at SVRSS by seeing the registrar.

### Did you know?

After Students earn their full level one from Apprenticeship Manitoba they Qualify for a \$1000 grant, after they complete their level two they qualify for another \$1000 and after they complete their level three they qualify for another \$2000. These grants only apply to Red Seal Trades.

### Transitioning from SVRSS to Apprenticeship Manitoba

- Students can register with Apprenticeship Manitoba by:
- Filling out the forms found at <https://www.gov.mb.ca/wd/apprenticeship/generalinfo/forms.html>
- These forms along with a high school transcript, which will have our accreditation number, can then either be mailed to Apprenticeship Manitoba 100-111 Lombard Avenue, Winnipeg MB R3B 0T4 or dropped off at 340 – 9<sup>th</sup> Street Brandon.

## VOCATIONAL COURSES

### APPLIED COMMERCE EDUCATION

The **Applied Commerce Education** department provides our students with engaging and stimulating learning experiences as they work towards assisting our students in meeting the learning outcomes as outlined within Manitoba Education's approved curricula.

Successful completion of eight Applied Commerce courses as part of their completed graduation requirements will earn those students a Senior Years Technology Education Diploma from the Province of Manitoba. Students in the Province of Manitoba can also graduate with an Academic Diploma and Senior Years Technology Education diploma from SVRSS.

Grade 9	Grade 10	Grade 11	Grade 12
Business Innovations 10S	Personal Finance 20S	Accounting Essentials 30S	Accounting Systems 40S
	Entrepreneurship 20S	Marketing Perspectives 30S	Economic Principles 40S
	Promotions 20S	Business Communications 30S	Business Management 40S

These courses may be utilized to fulfill the minimum 8 credit requirement for an approved Senior Years Technology Education Diploma.

APPLIED COMMERCE EDUCATION		
Course Code	Course Description	Prerequisites
<b>Grade 9</b> <b>ACBIN10S</b>	<b>0315 Business Innovations 10S</b> Business innovation is an introduction course which allows students the opportunity to explore finance-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 and/or simulations. Business Innovations is designed to appeal to students who are curious about exploring the world of business and everything it has to offer. It is the introduction to all other courses offered in the applied commerce Education area.	<b>None</b>
<b>Grade 10</b> <b>ACPF120S</b>	<b>0324 PERSONAL FINANCE 20S</b> Personal Finance develops an appreciation for the value of money, career planning, budgeting, saving and investing. This course is especially relevant to high school students since they are entering the workforce and are considering things that requires future planning such as buying a car, pursuing post-secondary education or travelling. Students take part in simulations for Income Tax preparation and buying and selling stock on the Wall Street Stock Market. Since financial literacy is a life skill, this course is an excellent option for all students. This course is an acceptable elective at the Grade 9 level.	<b>None</b>
<b>Grade 10</b> <b>ACENT20S</b>	<b>0319 ENTREPRENEURSHIP 20S</b> Entrepreneurship focuses on developing the foundational skills and ideas needed to plan and develop a business. This course is relevant to high school students since many are already involved in their communities, and are starting to recognize various needs and opportunities in their areas. Students begin by evaluating innovation, inventions, and innovative ideas. They learn the process of planning, marketing, and implementing a venture.	<b>None</b>
<b>Grade 10</b> <b>ACPRO20S</b>	<b>0317 PROMOTIONS 20S</b> Promotions helps students develop an understanding of promotional communication from both a theoretical and a practical approach. The course focuses on applying marketing concepts, principles, and strategies in making decisions related to product, price, place, and promotion. Students will apply these concepts and their own creativity through hands-on applications and the creation of a marketing plan.	<b>None</b>



**APPLIED COMMERCE EDUCATION (Continued)**

Course Code	Course Description	Prerequisites
<b>Grade 11 ACACE30S</b>	<b>0309 ACCOUNTING ESSENTIALS 30S</b> Accounting Essentials helps students gain an understanding of basic accounting. With an emphasis on accounting for a service business, students will apply their knowledge and skills to complete the stages of the accounting cycle. Accounting Essentials provides the fundamentals of accounting and is a good choice for students who plan to further their finance studies in Accounting Systems 40S. Students interested in pursuing post-secondary studies in any business discipline will benefit considerably by completing this course.	<b>None</b>
<b>Grade 11 ACMPE30S</b>	<b>0325 MARKETING PERSPECTIVES 30S</b> Marketing Perspectives helps students gain an understanding of retailing from both a theoretical and a practical approach. This course provides insight on the various types of retail establishments and forms of ownership. It emphasizes the retailing operations of both a physical and an online environment. Students develop customer service skills, practice using a cash register and counting change. Students will work daily in a retail store developing their skills in Finance, Inventory Management, Sales and Marketing.	<b>None</b>
<b>Grade 11 ACBCO30S</b>	<b>0314 BUSINESS COMMUNICATIONS 30S</b> Business Communications focuses on communication skills and techniques that are essential in business. Students will develop effective written, verbal, interpersonal, and visual communication skills. Students will explore the differences in etiquette across many cultures in preparation to interact within the global business community. Other subjects covered includes Robert's Rules for conducting meetings, fine dining etiquette and the Canadian Labour Standards.	<b>None</b>
<b>Grade 12 ACACS40S</b>	<b>0310 ACCOUNTING SYSTEMS 40S</b> Accounting Systems is an extension of Accounting Essentials 30S It includes an introduction to financial analysis and corporate accounting. With an emphasis on accounting for a merchandising business, students will apply their knowledge and skills to complete the stages of the accounting cycle. The skills acquired in this course are not only useful when pursuing a career in business or accounting, but essential for everyday life.	<b>ACACE30S</b>
<b>Grade 12 ACECP40S</b>	<b>0318 ECONOMIC PRINCIPLES 40S</b> Economic Principles focuses on both microeconomic and macroeconomic principles including systems and structures, supply and demand, market influences, the global market, and decision making related to economic factors. This course is designed for students wanting to learn more about how the economy impacts their personal and business decisions at a local, national, and global level. Students will learn more about their role in the economy and how economic conditions affect short- and long-term decision making.	<b>None</b>
<b>Grade 12 ACBMC40S</b>	<b>0316 BUSINESS MANAGEMENT 40S</b> Business Management focuses on developing skills in planning, leading, organizing, controlling, and staffing. Students will study various management styles and participate in activities related to human resources and project management. This course is designed for students interested in furthering their knowledge of management strategies used in various settings and furthering their knowledge of business ownership.	<b>None</b>

## AUTOMOTIVE TECHNOLOGY

The **Automotive Technology** program provides students with the opportunity to explore the exciting world of the automotive industry. Automotive Technology career opportunities available to automotive technology graduates include apprentice automotive service technician, heavy duty/agricultural service technician, service consultant, parts advisor, parts rebuilder, maintenance technician, specialty/after-market technician or sales consultant.

This program will appeal to students who are patient, have a mechanical and technical aptitude who enjoy working with their hands, have strong problem-solving skills, and can work independently or in a group.

**Automotive Technology is an approved apprenticeship accreditation program through Manitoba Apprenticeship.**

Students who successfully complete the accredited program with an overall average of 70% or better for advanced standing with Manitoba apprenticeship in the trade subjects and level for which the program was accredited, will be eligible to receive credit for their Level 1 Technical Training when they register with Manitoba Apprenticeship. Students who complete all 8 approved courses (**ALL GRADE 10,11 & 12 COURSES**) with a minimum of 70% will receive the Automotive Technology Accreditation Number on their transcript giving credit for the Automotive Service Technician Program Level 1. Accreditation is only valid for a specific period of time following graduation, for more information contact Manitoba Apprenticeship.

***Students will be required to complete all 8 courses over the course of the program to qualify for the Senior Years Technology Education Diploma.***

Grade 9	Grade 10	Grade 11	Grade 12
Exploration of Automotive Technology 15S	Automotive Systems and Service 20S	Engine Fundamental and Service 30S	Automotive Electrical Systems 40S
		Chassis Fundamentals and Service 30S	Vehicle Systems 1 40S
		Drive Train Fundamentals and Services 30S	Vehicle Systems 2 40S
			Applied Diagnostic Strategies 40S

**Grade 9 – Clear C.S.A approved safety glasses and toes caps will be provided.**

**Grade 10/11/12 - Clear C.S.A approved safety glasses, C.S.A approved steel-toed safety boots/toe caps must be worn. We recommend that students pursuing their Level 1 Certification purchase Boots and Coveralls of their own for use in class.**

<b>AUTOMOTIVE TECHNOLOGY</b>		
<b>Course Code</b>	<b>Course Description</b>	<b>Prerequisites</b>
<b>Grade 9 AUEXP15S</b>	<b>8695 EXPLORATION OF AUTOMOTIVE TECHNOLOGY 15S</b> This half credit course is intended for students wishing to sample automotive technology. The emphasis is on exposing students to automotive industry technologies, careers and futures. Students are introduced to safety, tools and equipment, automotive systems and service procedures.	<b>None</b>
<b>Grade 10 AUS20S</b>	<b>8696 AUTOMOTIVE SYSTEMS AND SERVICE 20S</b> Students wanting to develop skills in the automotive service and repair industry must have knowledge of the basic principles related to automotive systems and service. Students learn safety, tools and equipment, automotive systems and service procedures and are introduced to diagnosis strategies.	<b>None</b>
<b>Grade10 EFU30S</b>	<b>8697 ENGINE FUNDAMENTALS AND SERVICE 30S</b> Students wanting to develop skills in the automotive service and repair industry must have knowledge of the basic principles of the internal-combustion engine, the inner workings and relations of the engine components and how those relate to vehicle operation. Students will learn the procedures to service, repair and replace engines and their components.	<b>AUS20S or HDIHD20S</b>
<b>Grade 11 CHA30S</b>	<b>8698 CHASSIS FUNDAMENTALS AND SERVICE 30S</b> Students wanting to develop skills in the automotive industry must have knowledge of the basic principles of the vehicle chassis and its brake system. Students will be able to describe, diagnose and repair braking, steering, and suspension systems. The student will develop an understanding of the principles of wheel and steering alignment and be able to apply the principles to diagnose and align steering systems.	<b>AUS20S or HDIHD20S</b>
<b>Grade 11 DTF30S</b>	<b>8699 DRIVETRAIN FUNDAMENTALS AND SERVICE 30S</b> Students wanting to develop skills in the automotive industry must have knowledge of the basic principles of the vehicle drive train. Students will develop an understanding of the different drive train configurations and their components. The student will be able to diagnose and repair a variety of drivetrain components.	<b>AUS20S or HDIHD20S</b>
<b>Grade 12 AES40S</b>	<b>8700 AUTOMOTIVE ELECTRICAL SYSTEMS 40S</b> Students wanting to develop skills in the automotive industry must have knowledge of the basic principles of automotive electrical systems. Students will understand the principles of electricity and electronics as it relates to automotive systems. The student will be able to diagnose, service and repair automotive electrical circuits and components.	<b>AUS20S or HDIHD20S</b>
<b>Grade 12 VSY140S</b>	<b>8701 VEHICLE SYSTEMS PART 1 40S</b> Students wanting to develop skills in the automotive industry must have knowledge of the operation of the automotive electronic and control systems. Student's knowledge in electrical systems will be further enhanced by learning about the principles of ignition, principals of a control system and communications systems. The students will be able to diagnose service and repair ignitions, control, and communications systems.	<b>AUS20S or HDIHD20S &amp; AES40S</b>
<b>Grade 12 VSY240S</b>	<b>8702 VEHICLE SYSTEMS PART 2 40S</b> Students wanting to develop skills in the automotive industry must have knowledge of engine management and emission systems, hybrid vehicle systems, as well as Gas Metal Arc (MIG) welding. The student will understand the principles of fuel supply, metering, and vehicle emissions. The student will be able to use electronic diagnostic interface to diagnose, service and repair engine management and emissions systems.	<b>AUS20S or HDIHD20S &amp; AES40S</b>
<b>Grade 12 ADS40S</b>	<b>8703 APPLIED DIAGNOSTIC STRATEGIES 40S</b> Students wanting to expand skills in the automotive industry must be able to apply diagnostic strategies to a variety of vehicle systems and components. Students will demonstrate the ability to diagnose and correct customer concerns and to complete vehicle repairs to accepted industry standards.	<b>AUS20S or HDIHD20S &amp; AES40S</b>

## CARPENTRY

The **Carpentry** program is designed to provide students with the necessary knowledge, tools, skills and work ethics to enter the carpentry trade and related occupations such as cabinet/furniture making, estimating and sales. Students will also gain sound knowledge, skills and safe work practices, utilizing common woodworking equipment.

Carpentry will also provide a foundation for post-secondary education in areas such as drafting, architecture, and engineering. Graduates will be well prepared to enter directly into the workforce in carpentry, surveying, drafting, civil engineering, architecture, interior design or any other related area, or further post-secondary training. Students will construct buildings, including framing, siding and roofing. Other projects are saw horses, framing a window, stairs, concrete forms, and a model roof, to name a few. There is a design and drafting segment in the program. The emphasis is on attainment of a good work ethic and the attainment of industry level standards in basic carpentry skills.

**Carpentry is an approved apprenticeship accreditation program through Manitoba Apprenticeship.**

Students who successfully complete the accredited program with an overall average of 70% or better for advanced standing with Manitoba Apprenticeship, will be eligible to receive credit for their Level 1 Technical Training when they register with Manitoba Apprenticeship. Students who complete all 8 approved courses with a minimum of 70% will receive the Carpentry Accreditation Number on their transcript giving credit for the Carpentry Program Level 1. Accreditation is only valid for a specific period of time following Graduation, for more information contact Manitoba Apprenticeship.

***Students will be required to complete 8 courses over the course of the program to qualify for the Senior Years Technology Education Diploma.***

Grade 9	Grade 10	Grade 11	Grade 12
Exploration of Carpentry 15S	Carpentry Fundamentals 20S	Framing 30S	Surveying & Concrete 40S
	Carpentry Tools & Equipment 30S	Interior/Exterior Finishing 30S	Advanced Framing 40S
			Carpentry Millwork 40S
			Applied Carpentry 40S

**Grade 9 – Clear C.S.A approved safety glasses and toe caps will be provided.**

**Grade 10/11/12 - Clear C.S.A approved safety glasses, C.S.A approved steel-toed safety boots/toe caps must be worn. We recommend that students pursuing their Level 1 Certification purchase Boots of their own for use in class.**

## VOCATIONAL COURSES

<b>CARPENTRY</b>		
<b>Course Code</b>	<b>Course Description</b>	<b>Prerequisites</b>
<b>Grade 9 CEXP15S</b>	<b>8584 EXPLORATION OF CARPENTRY 15S</b> This half credit course is being offered to give students a broad, introductory overview to the carpentry cluster. The course addresses the health and safety aspects in building construction.	<b>None</b>
<b>Grade 10 CCAF20S</b>	<b>8585 CARPENTRY FUNDAMENTALS 20S</b> The course gives students a broad, introductory overview to the carpentry cluster. The course addresses the health and safety aspects in building construction. The basic skills of carpentry become the focus of the course, which include the use, and management of tools, equipment, fasteners and adhesives. Sustainability and new and emerging technologies in building construction are explored.	<b>Grades 10 - 12</b>
<b>Grade 10 CCTE30S</b>	<b>9188 CARPENTRY TOOLS AND EQUIPMENT 30S</b> In this course, students will learn about hand, power, pneumatic, stationary, measuring and layout tools and equipment, and their applications, maintenance and procedures for use. The students will be working under the same conditions encountered on a construction site. Sustainability and new and emerging technologies in building construction are explored.	<b>CCAF20S</b>
<b>Grade 11 CFRA30S</b>	<b>9189 FRAMING 30S</b> In this course, students will learn basic framing techniques using wood and wood products. Students learn to identify types of wood and describe their characteristics and applications. Students will interpret building codes and regulations found on drawings and specifications. Construction Math/Geometry are studied to provide a theoretical grounding required to perform construction-related operations.	<b>CCAF20S CCTE30S</b>
<b>Grade 11 CIEF30S</b>	<b>9190 INTERIOR/EXTERIOR FINISHING 30S</b> In this course, students will learn basic installation techniques for interior and / or exterior finishes. They will study the practices, principles, and building code standards related to the construction of the superstructure of a building, from surveying property and building lines to constructing the roof of the building. It includes the study of ladders, ramps, scaffolding, access equipment and temporary structures. A major focus is on the demonstration and adherence to health and safety practices.	<b>CCAF20S CCTE30S CFRA30S</b>
<b>Grade 12 CSCO40S</b>	<b>9191 SURVEYING &amp; CONCRETE 40S</b> In this course, students demonstrate knowledge of site layout tools, equipment and processes. They also demonstrate knowledge of concrete and concrete products, footings, slab-on-grade, grade beam forms and wall forms. Students will learn to calculate area/volume, demonstrate proficiency in manipulating fractions, decimals, ratios, and converting to and from metric and standard Imperial units of measurement.	<b>CCAF20S CCTE30S CFRA30S</b>
<b>Grade 12 CAFR40S</b>	<b>9192 ADVANCED FRAMING 40S</b> In this course, students will continue what they learned in 9189 Framing. It includes all of the objectives found in B3 Temporary Access Equipment and Structures from Level 1 Apprenticeship Manitoba. In this course, students will be introduced to the knowledge, skills and attitudes related to the manufacturing and installation of millwork.	<b>CCAF20S CCTE30S CFRA30S</b>
<b>Grade 12 CCMI40S</b>	<b>9193 CARPENTRY MILLWORK 40S</b> Students will be introduced to the knowledge, skills and attitudes related to the manufacturing and installation of millwork. Topics include; layout and assembly of millwork (e.g., furniture, cabinetry), shaping and processing of rough lumber, exploration of wood types and characteristics including hardwoods and softwoods, exploration of sheet goods and panel products, use of stationary machines. The course includes an emphasis on safety, employability skills, career development, sustainability, and new and emerging technologies in building construction specifically related to millwork.	<b>CCAF20S CCTE30S CFRA30S CIEF30S</b>
<b>Grade 12 CAPC40S</b>	<b>9194 APPLIED CARPENTRY 40S</b> In this course, students will synthesize knowledge, skills and attitudes learned in previous courses to complete projects. They will also prepare for Level 1 accreditation with Apprenticeship Manitoba, and demonstrate knowledge of the Trade Safety Awareness Curriculum for Level 1 Apprentices. The course also includes all of the objectives found in A1 Orientation I: structure and Scope of Carpenter, A2 Trade Safety Awareness from Level 1 Apprenticeship Manitoba. The environment is as much a work place as possible to prepare students for the productivity required in the industry.	<b>All 30 and 40 Courses completed.</b>

## CULINARY ARTS

The **Culinary Arts** program will introduce the students to the principles of professional cooking and provide practical training in the preparation of a wide variety of culinary cuisines. Students will have an opportunity to take a hands-on approach to learning by developing their skills working with modern equipment in a licensed and inspected working kitchen.

- The Grade 9 course in this program is **Exploration of the Culinary Arts**. This course is intended to introduce grade 9 students to the basic skills required for the successful completion of the program. During this course, students will learn sanitation and safety, proper knife skills, kitchen tools and equipment, general preparation procedures.
- Students continuing in this program in Grade 10, 11 and 12 will have the opportunity to further develop their skill in garde manger, cold foods, salad dressings, sandwiches, appetizers and hors d'oeuvres; baking principles and ingredients; meats and poultry; soup, stocks and sauces; fish and seafood.

**Culinary Arts is an approved apprenticeship accreditation program through Manitoba Apprenticeship.**

Students who successfully complete the accredited program with an overall average of 70% or better for advanced standing with Manitoba apprenticeship, will be eligible to receive credit for their Level 1 Technical Training when they register with Manitoba Apprenticeship. Students who complete all 8 approved courses with a minimum of 70% will receive the Culinary Arts Accreditation Number on their transcript giving credit for the Culinary Arts Program Level 1. Accreditation is only valid for a specific period of time following Graduation, for more information contact Manitoba Apprenticeship.

***Students will be required to complete 8 courses over the course of the program to qualify for the Senior Years Technology Education Diploma.***

Grade 9	Grade 10	Grade 11	Grade 12
Exploration of the Culinary Arts 15G	Cooking Principles 20S	Garde Manger 30S	Stocks, Soups & Sauces 40S
Food & Nutrition 15G		Patisserie & Baking 30S	Breakfast & Dairy 40S
		Veg. , Fungi, Starches & F.P. 30S	Menu Planning & Food Costing 40S
			Meats, Poultry, Fish & Seafood 40S

## VOCATIONAL COURSES

### CULINARY ARTS

Course Code	Course Description	Prerequisites
<b>Grade 9 ECA15S &amp; FNU15G</b>	<p><b>8790 EXPLORATION OF THE CULINARY ARTS 15G</b> This is a half credit course that introduces students to the food service industry, basic cooking principles, culinary/knife skills, basic sanitation and safety, equipment and its use. As well, students will be involved with the daily production and operational needs of the school cafeteria.</p> <p><b>0489 FOOD AND NUTRITION 15G</b> This is a half credit course to accompany Exploration of the Culinary Arts. The main concepts are: 1) the significance of food, 2) the consumer aspects of food and nutrition, and 3) planning, preparing and serving food.</p>	<b>None</b>
<b>Grade 10 CPR20S</b>	<p><b>8791 COOKING PRINCIPLES 20S</b> This course is intended for students wishing to pursue the Culinary Arts. Curriculum content focuses on an introduction to the Culinary Arts. The emphasis is on hands-on activities. Students learn the specifics of sanitation and safety in a commercial kitchen. They also learn about tools and equipment, knife handling and safety, and general preparation procedures for different types of food and beverage. The course provides information and practical experience on the effects of heat on food, setting up workstations, cooking terms and methods, principles for seasoning and flavoring, and how to read and follow recipes. Student will practice measurement and scaling techniques.</p>	<b>None</b>
<b>Grade 10 GMA30S</b>	<p><b>8792 GARDE MANGER 30S</b> Curriculum content focuses on the cold kitchen. Students will learn to prepare salads and dressings, sandwiches, canapés and hors d'oeuvres. Garnishing techniques will be emphasized with the presentation of completed products on platters and plates.</p>	<b>None</b>
<b>Grade 11 PBA30S</b>	<p><b>8793 PATISSERIE AND BAKING 30S</b> Curriculum content focuses on the theory behind and preparation of patisserie and baking products as yeast and non-yeast doughs, pies, cakes, tortes, icings, pastries, shortbreads, cookies, custard and fillings, etc.</p>	<b>None</b>
<b>Grade 11 VFS30S</b>	<p><b>8794 VEGETABLES, FUNGI, STARCHES, AND FARINACEOUS PRODUCTS 30S</b> Curriculum content focuses on the theory behind and preparation of vegetables, fruits, potatoes, pasta, rice, and other grains and farinaceous products.</p>	<b>None</b>
<b>Grade 12 SSS40S</b>	<p><b>8795 STOCKS, SOUPS, AND SAUCES 40S</b> Curriculum content focuses on the theory behind and preparation of stocks, soups, and the five Mother sauces and secondary sauces</p>	<b>None</b>
<b>Grade 12 BDA40S</b>	<p><b>8796 BREAKFAST AND DAIRY 40S</b> Curriculum content focuses on the theory behind and preparation of a wide range of breakfast items such as egg based dishes, pancakes, crepes, waffles, French toast, breakfast pastries and breakfast meats. Students will also learn about the theory behind and preparation of dairy products and beverages. They also examine the theory behind and laws pertaining to the use and serving of alcoholic beverages.</p>	<b>None</b>
<b>Grade 12 MPL40S</b>	<p><b>8797 MENU PLANNING AND FOOD COSTING 40S</b> Curriculum content focuses on the planning of classical and modern menus, food costing, controlling costs, prices changes, receiving, storing, and ordering food, recording inventory, par levels, developing menu prices, determining yield factors and setting food cost percentages.</p>	<b>None</b>
<b>Grade 12 MPO40S</b>	<p><b>8798 MEATS, POULTRY, FISH, AND SEAFOOD 40S</b> Curriculum content focuses on the theory behind and preparation of a variety of meats, poultry, fish and seafood. Students will also learn about the composition, structure, quality, grading and basic cuts of meats, poultry, fish and seafood.</p>	<b>None</b>

## ELECTRICIAL TRADES TECHNOLOGY

The **Electrical Trades Technology** program provides students with the opportunity to learn about the skills needed in the electrical industry. The program will appeal to the inquisitive mind. If you enjoy taking things apart just to ask why they work or you enjoy the challenge of building projects to solve problems, you will enjoy this program.

**Electrical Trades Technology is an approved accreditation apprenticeship program through Manitoba Apprenticeship.**

Students who successfully complete the accredited program with an overall average of 70% or better for advanced standing with Manitoba apprenticeship, will be eligible to receive credit for their Level 1 Technical Training when they register with Manitoba Apprenticeship. Students who complete all 8 approved courses with a minimum of 70% will receive the Electrical Trades Technology Accreditation Number on their transcript giving credit for the Electrical Trades Program Level 1. Accreditation is only valid for a specific period of time following Graduation, for more information contact Manitoba Apprenticeship.

Grade 10	Grade 11	Grade 12
Introduction to Electrical Trades Technology 20S	Residential Wiring 30S	Advanced Electrical Wiring Methods 40S
	Electrical Trades DC Fundamentals 30S	Electrical Trades AC Fundamentals 40S
	Electrical Wiring Methods 30S	Advanced Residential Wiring 40S
		Applied Electrical Trades Technology 40S

**\*Required supplies: Clear CSA approved safety glasses. Steel-toed boots are required when working in large trade shops. We recommend that students pursuing their Level 1 Certification purchase Boots of their own for use in class.**



<b>ELECTRICAL TRADES TECHNOLOGY</b>		
<b>Course Code</b>	<b>Course Description</b>	<b>Prerequisites</b>
<b>Grade 10 IET20S</b>	<b>9055 INTRODUCTION TO ELECTRICAL TRADES TECHNOLOGY 20S</b> Students will be introduced to basic electrical concepts. They will begin to design and wire circuits. Students are introduced to safety, tools and equipment, electrical/electronic systems.	<b>None</b>
<b>Grade 11 REW30S</b>	<b>9057 RESIDENTIAL WIRING 30S</b> Students are introduced to Canadian Electrical Code standards. They will learn to design, install, test and troubleshoot branch circuits. Students will become familiar with trade related tools, techniques, materials and devices used in the trade. A large portion of course time is devoted to practical project work.	<b>IET20S</b>
<b>Grade 11 EWM30S</b>	<b>9058 ELECTRICAL WIRING METHODS 30S</b> Students are introduced to alternative wiring methods and the CEC codes associated with them. They will work with various types of raceways and cables and become familiar with the tools, techniques, materials and devices associated with them.	<b>All Grade 10 Courses Completed</b>
<b>Grade 11 ETD30S</b>	<b>9056 ELECTRICAL TRADES DC FUNDAMENTALS 30S</b> Students are taught the theory behind direct current circuits. Students are taught the mathematical strategies needed to solve for various values within the circuits including series, parallel, and combination circuits using Ohm's law and other applicable rules. Students are introduced to soldering techniques and various electronic components. (Formerly DC Circuits)	<b>All Grade 10 Courses Completed</b>
<b>Grade 12 AEW40S</b>	<b>9061 ADVANCED ELECTRICAL WIRING METHODS 40S</b> Using Canadian Electrical Code standards students will become familiar with industrial wiring methods, devices, and techniques found in the trade. Students will work with various types of cables, conduits, and connectors that are used in industrial applications. Students are introduced to the types of tools that are required for industrial wiring purposes. (Formerly Industrial Wiring)	<b>All Grade 11 Courses Completed EWM30S</b>
<b>Grade 12 ETA40S</b>	<b>9060 ELECTRICAL TRADES AC FUNDAMENTALS 40S</b> Students are led deeper into an understanding of electrical theory. More time is devoted to a greater mastery of use of the Canadian Electrical Code book. Time is spent reviewing learned wiring techniques and developing a mastery of those techniques. Time is also provided for instruction on any new concepts or trade related material. Emphasis is put on the students to prepare themselves for entering an apprenticeship. (Formerly AC Circuits)	<b>All Grade 11 Courses Completed</b>
<b>Grade 12 ARW40S</b>	<b>9059 ADVANCED RESIDENTIAL WIRING 40S</b> Students will build on the knowledge and skills that they learned in Residential Wiring, including home automation technologies and service and demand load calculations.	<b>All Grade 11 Courses Completed</b>
<b>Grade 12 AET40S</b>	<b>9062 APPLIED ELECTRICAL TRADES TECHNOLOGY 40S</b> Students will synthesize and apply knowledge and skills acquired in all previous courses to design, install, troubleshoot and document electrical circuits with a minimum of supervision and direction. Students will also focus on skills and activities to ease in the transition to employment or post-secondary education.	<b>All Grade 11 Courses Completed</b>

## GRAPHIC DESIGN

The **Graphic Design** program is the creative practice of conveying an idea, or communicating a message esthetically with images, graphics and type. Graphic Design often refers to both the process (designing) by which the communication is created and the products (designs) which are generated. Graphic designers work in a variety of areas; producing visual identity (logos and branding), publications (magazines, newspapers and books), print media (posters, billboards, signs, product packaging), illustration and interactive design (animation, websites, apps, games, and emerging technologies).

The Graphic Design program gives students the opportunity to learn the skills and knowledge required to function within the graphic design industry. Students use industry standard software and traditional media to visually express their ideas. By the end of the program, students should be able to produce graphic design and layout, illustration, and interactive graphic design to gain entry-level industry employment. Students also have the opportunity to work as self-employed graphic designers, or to continue their studies in graphic design at the post-secondary level.

***Students will be required to complete at least 8 Full Credit courses over the course of the program to qualify for the Senior Years Technology Education Diploma.***

Grade 9	Grade 10	Grade 11	Grade 12
Exploration of Graphics Design 15S	Fundamentals of Graphic Design 20S	Interactive Graphic Design 30S	Advanced Interactive Graphic Design 40S
		Illustration for Graphic Design 30S	Advanced Illustration for Graphic Design 40S
		Graphic Design & Layout 30S	Advanced Graphic Design & Layout 40S
			Graphic Design Portfolio 40S

GRAPHIC DESIGN		
Course Code	Course Description	Prerequisites
<b>Grade 9 GDEGD15S</b>	<b>9135 EXPLORATION OF GRAPHIC DESIGN 15S</b> This half credit optional course is intended for students wishing to explore graphic design. Students will be encouraged to think creatively as they solve basic design challenges and become acquainted with some of the trade's software.	<b>None</b>
<b>Grade 10 GDFGD20S</b>	<b>9136 FUNDAMENTALS OF GRAPHIC DESIGN 20S</b> This course introduces students to the field of graphic design. Students will begin to focus on basic design theory, the design process, and their practical application.	<b>Grade 9 Course Completed</b>
<b>Grade 11 GDL30S</b>	<b>9137 GRAPHIC DESIGN AND LAYOUT 30S</b> Students will expand the knowledge and skills acquired in previous courses, and focus on the theory and practical application of graphic design and layout.	<b>Grade 10 Course Completed</b>
<b>Grade 11 GDILL30S</b>	<b>9138 ILLUSTRATION FOR GRAPHIC DESIGN 30S</b> Students will expand the knowledge and skills acquired in Fundamentals of Graphic Design, and focus on the theory and practical application of illustration.	<b>Grade 10 Course or Visual Arts Completed</b>
<b>Grade 11 GDINT30S</b>	<b>9139 INTERACTIVE GRAPHIC DESIGN 30S</b> Students will expand the knowledge and skills acquired in Fundamentals of Graphic Design, and focus on the theory and practical application of interactive graphic design.	<b>Grade 10 course completed</b>
<b>Grade 12 GDALA40S</b>	<b>9140 ADVANCED GRAPHIC DESIGN AND LAYOUT 40S</b> Students will expand the knowledge and skills acquired in Graphic Design and Layout, and focuses on the theory and practical application of graphic design and layout to solve client-driven design challenges.	<b>Consultation with instructor required</b>
<b>Grade 12 GDAIL40S</b>	<b>9141 ADVANCED ILLUSTRATION FOR GRAPHIC DESIGN 40S</b> Students will expand the knowledge and skills acquired in Illustration for Graphic Design, and focuses on the theory and practical application of illustration to solve client-driven challenges.	<b>Consultation with instructor required</b>
<b>Grade 12 GDAIN40S</b>	<b>9142 ADVANCED INTERACTIVE GRAPHIC DESIGN 40S</b> Students will expand the knowledge and skills acquired in Interactive Graphic Design, and focuses on the theory and practical application of interactive graphic design to solve client-driven design.	<b>Consultation with instructor required</b>
<b>Grade 12 GDP40S</b>	<b>9144 GRAPHIC DESIGN PORTFOLIO 40S</b> In this course, students apply the knowledge and skills learned in previous courses to produce a graphic design portfolio to obtain entry-level employment or self-employment opportunities, or gain admittance to a post-secondary program.	<b>Consultation with instructor required</b>

## HAIRSTYLING

The ***Hairstyling Program*** provides students with the theory and practical study of all aspects of hairstyling for men and women. This accredited program follows Apprenticeship Manitoba guidelines and will offer prospective apprentices the opportunity to gain basic trade knowledge and skill. The Hairstyling program will appeal to students who have creative abilities and can visualize the end result. They must enjoy interacting with people and have strong problem-solving skills. If you have good dexterity and like to work creatively with your hands, this program will allow you endless opportunities as a hairstylist.

**The Hairstyling Program is an approved accreditation apprenticeship program through Manitoba Apprenticeship.**

Students who successfully complete the accredited program with an overall average of 70% or better, will be eligible to receive credit for the technical training in the Hairstyling Apprenticeship program when they register with Manitoba Apprenticeship. Students who complete all 12 approved courses with a minimum of 70% and enter into Apprenticeship within two years will receive credit for the technical training in the program and the associated hours.

Accreditation is only valid for a specific period of time following graduation. For more information contact Manitoba Apprenticeship.

***Students will be required to complete at least 8 courses over the course of the program to qualify for the Senior Years Technology Education Diploma.***

Grade 9	Grade 10	Grade 11	Grade 12
Introduction to Hairstyling 20S	Basic Hairstyling 20S	Hair Colouring 30S	Advanced Haircutting & Chemical Texture 40S
	Basic Haircutting & Thermal Styling 20S	Intermediated Haircutting & Barber Techniques 30S	Advanced Hair Colouring 40S
	Basic Salon Services 20S	Intermediate Hairstyling & Artificial Hair 30S	Salon Operations and Client Services 40S
		Chemical Texture Services 30S	Certificate Preparation 40S

## VOCATIONAL COURSES

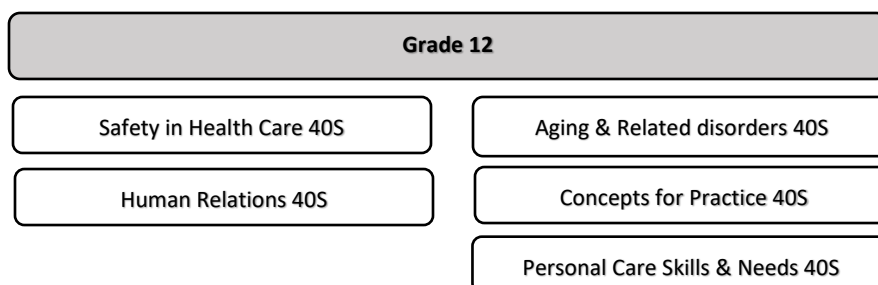
<b>HAIRSTYLING</b>		
<b>Course Code</b>	<b>Course Description</b>	<b>Prerequisites</b>
<b>Grade 9 IHA20S</b>	<b>8312 INTRODUCTION TO HAIRSTYLING 20S</b> This course introduces students to hairstyling, with a focus on safety and sanitation, basic tools and equipment, the operation of a hairstyling salon, the workings of the industry and introductory skills such as braiding, thermal styling and roller setting. <b>This course is an acceptable elective at the Grade 9 level.</b>	<b>None</b>
<b>Grade 10 BHA20S</b>	<b>8313 BASIC HAIRSTYLING 20S</b> This course focuses on the properties of the hair and scalp, wet hair styling techniques, formal up-dos, shampoos, conditioners, rinses, and treatments. Students will learn to conduct hair and scalp analyses. They will also be introduced to Afro texture hair and other natural hair types.	<b>IHA20S</b>
<b>Grade 10 BHC20S</b>	<b>8314 BASIC HAIRCUTTING AND THERMAL STYLING 20S</b> Curriculum content focuses on the tools and equipment, as well as the anatomy and practical skills required for students to perform basic haircutting and thermal styling.	<b>IHA20S BHA20S</b>
<b>Grade 10 RSS20S</b>	<b>8315 BASIC SALON SERVICES 20S</b> Curriculum content focuses on introducing students to salon services such as manicures, facials, makeup, and superfluous hair removal, with an introduction to the practical application of perm wrapping and hair colour techniques. Students will begin to interact with clients, in preparation for subsequent courses.	<b>IHA20S BHA20S BHC20S</b>
<b>Grade 11 HCO30S</b>	<b>8317 HAIR COLOURING 30S</b> This course focuses on colour theory and the development of hair colouring techniques. Students are introduced to basic colour formulations and explore the different classification of hair colour and their applications.	<b>All Grade 9 &amp; 10 Courses</b>
<b>Grade 11 IHC30S</b>	<b>8316 INTERMEDIATE HAIRCUTTING AND BARBER TECHNIQUES 30S</b> Curriculum content focuses on barbering techniques, including using razors and clippers, with the continued development of haircutting and finishing skills.	<b>All Grade 9 &amp; 10 Courses</b>
<b>Grade 11 IHS30S</b>	<b>8318 INTERMEDIATE HAIRSTYLING AND ARTIFICIAL HAIR 30S</b> This course focuses on wigs and hair enhancements, with the continued development of wet and thermal hair styling techniques, including Afro texture hair and other natural hair types, as well as advanced braiding techniques	<b>All Grade 9 &amp; 10 Courses</b>
<b>Grade 11 CTS30S</b>	<b>8319 CHEMICAL TEXTURE SERVICE 30S</b> This course focuses on the theoretical and practical application of permanent waving and wrapping design.	<b>All Grade 9 &amp; 10 Courses</b>
<b>Grade 12 AHT40S</b>	<b>8321 ADVANCED HAIRCUTTING AND CHEMICAL TEXTURE SERVICES 40S</b> This Course focuses on advanced haircutting and the theoretical and practical application of chemical smoothing and relaxing of hair. Students will also demonstrate two services on Afro texture and other natural hair types.	<b>All Grade 9, 10 &amp; 11 Courses</b>
<b>Grade 12 AHC40S</b>	<b>8320 ADVANCED HAIR COLOURING 40S</b> This course focuses on advanced colouring techniques including special effects, lightening, colour removal, toning, and corrective colour.	<b>All Grade 9, 10 &amp; 11 Courses</b>
<b>Grade 12 SOP40S</b>	<b>8322 SALON OPERATIONS AND CLIENT SERVICES 40S</b> Curriculum content focuses on the business operations of a hair salon retail and salon management, along with learning skills to gain employment as an apprentice hairstylist.	<b>All Grade 9, 10 &amp; 11 Courses</b>
<b>Grade 12 CPH40S</b>	<b>8323 CERTIFICATION PREPARATION 40S</b> This course focuses on honing their skills and timing in barbering, haircutting, thermal styling, roller setting, colour and foil application, and perm winding to prepare students for their Manitoba Hairstylist Practical Examination.	<b>All Grade 9, 10 &amp; 11 Courses</b>

## HEALTH CARE AIDE

The **Health Care Aide** program is available to Grade 12 students through a partnership with University College of the North. Students will acquire basic knowledge and skills required to assist in caring for patients of all ages in hospitals, nursing homes and the community. The decision to enroll in this program should not be taken lightly as students will need to display a high level of work ethic, responsibility and dedication. This program allows students the benefit of completing their high school graduation and the **University College of the North Health Care Aide Certificate** simultaneously.

Students have the opportunity to apply for this program in the 1<sup>st</sup> or 2<sup>nd</sup> semester, with classes from 9-12 PM daily. This program is offered to students in Grade 12 at no charge for tuition, however there are other costs associated with the program that are the students responsibility. Further information is available at SVRSS Student Services.

Health Care Aide is an approved dual credit program offered in conjunction with University College of the North (UCN)



HEALTH CARE AIDE		
Course Code	Course Description	Prerequisites
Grade 12 SHC40S	<b>8804 SAFETY IN HEALTH CARE 40S</b> This course introduces the learner to health care and its diverse environments. It includes topics such as the role of the health care aide, the health team, ethics and legal issues, organization for work and safety in the workplace. Topics such as infection control, providing a clean environment, communicable diseases, accident prevention, Workplace Hazardous Materials Information System (WHMIS) and fire safety are also discussed.	All Grade 12 Compulsory Credits Must Be Completed
Grade 12 HUR40S	<b>8803 HUMAN RELATIONS 40S</b> This course provides a general overview of the basic communication process. It includes effective and ineffective communication techniques and provides for communication practice sessions. The course also focuses on values and goals clarification and includes such topics as social and emotional needs of clients, dealing with stress, working with families and caring for culturally diverse client groups.	All Grade 12 Compulsory Credits Must Be Completed
Grade 12 ARD40S	<b>8808 AGING AND RELATED DISORDERS 40S</b> This course enables the learner to explore his/her own attitudes towards old age and the aging process. It includes topics such as changes in normal aging, promoting wellness and independence, death and dying and palliative care.	All Grade 12 Compulsory Credits Must Be Completed
Grade 12 CFP40S	<b>8811 CONCEPTS FOR PRACTICE 40S</b> Current certification is provided in basic rescuer cardiopulmonary resuscitation (CPR), current immunizations, recent criminal record check and child abuse registry check. This 120-hour clinical practicum is designed to introduce student to the real world of health care. Learners focus on the application of basic skills of the health care aide in order to meet the needs of the client in personal care homes, long-term care facilities and acute care settings. This course enables students to integrate theory to practice in the clinical area. Practice is under the close supervision of the college facilitator.	All Grade 12 Compulsory Credits Must Be Completed
Grade 12 PCS40S	<b>8812 PERSONAL CARE SKILLS AND NEEDS 40S</b> This course focuses on basic personal care skills taught in a laboratory setting. Some of the topics include principles of good body mechanics, body positioning, moving the client, restraints, aids to mobility, bathing, elimination and skin care. Other topics such as foot care, activities of daily living, clothing and its care, and bed making are covered. A component of this course is learning and understanding medical terminology.	All Grade 12 Compulsory Credits Must Be Completed

## HEAVY DUTY EQUIPMENT TECHNICIAN

This **Heavy Duty Heavy Duty Equipment Technician** program is designed to give students broad-based training in the heavy-duty mechanic field. The training provided emphasizes sound theoretical training to meet the challenges presented by the increasingly more complex designs found in today's on- and off-road trucks, as well as construction, farm and forestry equipment. Fundamental skills of the trade are reinforced through exposure to practical applications. Other areas of program emphasis include related computer applications and business management skills. Each course within the program will have curriculum related to occupational safety and health, and both theory and practical components of the program will emphasize knowledge and practices for a safe workplace.

The program is designed to develop the students' work attitudes and standard of craftsmanship, problem-solving skills, and personal pride in order to prepare them for employment in the heavy equipment field.

**Heavy Duty Equipment Technician is an approved accreditation apprenticeship program through Manitoba Apprenticeship.**

Students who successfully complete the accredited program with an Overall average of 70% or better in the trade subjects and level for which the program was accredited, will be eligible to receive credit for their Level 1 Technical Training when they register with Manitoba Apprenticeship. Students who complete all 8 approved courses with a minimum of 70% will receive the Heavy-Duty Technician Accreditation Number on their transcript giving credit for the Heavy-Duty Technician Program Level 1. Accreditation is only valid for a specific period of time following Graduation, for more information contact Manitoba Apprenticeship.

Grade 9	Grade 10	Grade 11	Grade 12
Exploration of Heavy Duty Equipment Tech 15S	Intro to Heavy Duty Equipment Tech 20S	Diesel Engine Fundamentals Services 30S	STD Trans Driveline Transfer Case 40S
		Chassis, Frame & Undercarriage 30S	Tires, Wheels, Brake Assemblies 40S
		Welding Processes & Fuels 30S	Elect. Fund Computer Diag. Equipment 40S
			Applied Heavy Duty Equipment Tech 40S

**Grade 9 – Clear C.S.A approved safety glasses and toe caps will be provided.**

**Grade 10/11/12 - Clear C.S.A approved safety glasses, C.S.A approved steel-toed safety boots/toe caps must be worn. We recommend that students pursuing their Level 1 Certification purchase Boots and Coveralls of their own for use in class.**

## VOCATIONAL COURSES

### HEAVY DUTY EQUIPMENT TECHNICIAN

Course Code	Course Description	Prerequisites
<b>Grade 9</b> <b>HDEXP15S</b>	<b>8672 Exploration of Heavy-Duty Equipment Tech 15S</b> This is a half credit course for students wanting to develop skills in the heavy-duty equipment service and repair industry must have knowledge of the basic principles related to heavy duty equipment systems and service.	<b>None</b>
<b>Grade 10</b> <b>HDH20S</b>	<b>8673 INTRO HEAVY DUTY EQUIPMENT TECH 20S</b> A student wanting to develop skills in the heavy-duty equipment service and repair industry must have knowledge of the basic principles related to heavy duty equipment systems and service. Students learn safety, tools and equipment, heavy duty equipment systems and service procedures and are introduced to diagnosis strategies. <b>Grade 9 student enrollment is subject to availability.</b>	<b>None</b>
<b>Grade 11</b> <b>HDDEF30S</b>	<b>8674 DIESEL ENGINE FUNDAMENTALS SERVICE 30S</b> A student wanting to develop skills in the heavy-duty equipment service and repair industry must have knowledge of the basic principles of diesel engines, the inner workings and relations of the engine components and how those relate to vehicle operation. The student will learn the procedures to service, repair and replace engines and their components.	<b>All Grade 10 Courses Completed</b>
<b>Grade 11</b> <b>HDCHU30S</b>	<b>8675 CHASSIS, FRAME AND UNDERCARRIAGE 30S</b> A student wanting to develop skills in the heavy-duty equipment industry must have knowledge of the basic principles of the vehicle chassis, frame and undercarriage. The student will be able to describe, diagnose and repair vehicle chassis, frame, undercarriage, and steering alignment.	<b>All Grade 10 Courses Completed</b>
<b>Grade 11</b> <b>HDWPF30S</b>	<b>8676 WELDING PROCESSES AND FUELS 30S</b> A student wanting to develop skills in the heavy-duty equipment industry must have knowledge of welding processes and fuels. The student will develop skills in Oxy-Acetylene welding and cutting and metallurgy. The student will also be able to diagnose and repair a variety of fuel-related problems and demonstrate familiarity with alternate fuels.	<b>All Grade 10 Courses Completed</b>
<b>Grade 12</b> <b>HDSTT40S</b>	<b>8677 STANDARD TRANSMISSIONS DRIVELINES, TRANSFERCASES AND POWER TAKE OFFS 40S</b> A student wanting to develop skills in the heavy-duty equipment industry must have knowledge of the basic principles of standard transmissions, drivelines, transfer case and power take offs. The student will be able to diagnose, service and repair standard transmissions, drivelines, transfer cases and power take offs.	<b>All Grade 11 Courses Completed</b>
<b>Grade 12</b> <b>HDECD40S</b>	<b>8679 ELECTRICAL FUNDAMENTALS, COMPUTERS AND DIAGNOSTIC EQUIPMENT 40S</b> A student wanting to develop skills in the heavy-duty equipment industry must have knowledge of electrical fundamentals, computers, and diagnostic equipment. The student will learn electrical theory, including circuits. The students will be able to use electronic diagnostic interfaces to diagnose, service and repair heavy duty equipment systems.	<b>All Grade 11 Courses Completed</b>
<b>Grade 12</b> <b>HDTWB40S</b>	<b>8678 TIRES, WHEELS AND BRAKES ASSEMBLIES 40S</b> A student wanting to develop skills in the heavy-duty equipment industry must have knowledge of tires, wheels and brake assemblies. The student will be able to diagnose, service, and repair tires, wheels, and brake assemblies.	<b>All Grade 11 Courses Completed</b>
<b>Grade 12</b> <b>HDAHD40S</b>	<b>8704 APPLIED HEAVY DUTY EQUIPMENT TECHNICIAN 40S</b> A student wanting to expand skills in the heavy-duty equipment industry must be able to apply diagnostic strategies to a variety of vehicle systems and components. The students will demonstrate the ability to diagnose and correct customer concerns and to complete vehicle repairs to accepted industry standards with a minimum amount of supervision or direction.	<b>All Grade 11 Courses Completed</b>



## HUMAN ECOLOGY

Human Ecology courses offer a preventative, proactive and practical approach to support families. Young people can explore issues and experience hands-on learning related to daily living. Many people re-examine their decisions about family throughout the course of their lives, continually reassessing and re-evaluating their relationships. The best way to make decisions about our personal lives is to be more knowledgeable of family life issues.

Grade 9 / Grade 10

Family Studies 20S

Grade 11

Human Ecology 30S

Grade 12

Human Ecology 40S

Applied Family Studies 40S

Textile Arts &amp; Design 40S

### HUMAN ECOLOGY

Course Code	Course Description	Prerequisites
<b>Grade 10</b> <b>HEFST20S</b>	<b>0487 FAMILY STUDIES 20S</b> This course focuses on the skills and knowledge parents and caregivers need, with emphasis on maternal health, pregnancy, birth, and the early years of human development. Students will learn about the developmental needs, effective care, and guidance of young children. The development of these skills and knowledge will enhance their overall well-being now as adolescents and in the future as parents and caregivers.	<b>None</b>
<b>Grade 11</b> <b>HEHEC30S</b>	<b>0486 HUMAN ECOLOGY 30S</b> This course encompasses areas of study from family studies, food and nutrition, and textile arts and design. Family Studies focuses on developing relationships of adolescents between families and peers and the effects of stress on adolescents. Food and nutrition focuses on preparing basic meals from various food groups and the influence of different regions on our food choices. Textile arts and design focuses on developing individual skills using needles, thread and fabric to complete various individual projects, as well as the exploration of colour and how it affects our fashion and design choices.	<b>None</b>
<b>Grade 12</b> <b>HEHEC40S</b>	<b>0486 HUMAN ECOLOGY 40S</b> This course encompasses areas of study from family studies, food and nutrition, and textile arts and design. Family Studies explores the challenges of adolescents as they transition into adulthood, offering the opportunity to develop better communication skills, as well as exploring career considerations. Food and nutrition examines food accessibility and security in our society, as well as traditional foods of Canada and cultural foods of the world. Textile arts and design focuses on the evolution of fashion and influences on design trends, as well as sustainable fashion and the social responsibilities of the fashion industry.	<b>None</b>
<b>Grade 12</b> <b>HEAFST40S</b>	<b>0491 APPLIED FAMILY STUDIES 40S</b> This course prepares students for a caregiving role with infants, toddlers, and children through the study of child development. The skills and knowledge are applied to a 40-hour practical experience with children where students will observe, guide behavior, ensure health and safety, and participate in play-based learning experiences. This course provides a foundation for further study within the field of early childhood education and related careers. With a minimum 70% students are eligible to apply for their CCA designation. There is a requirement to obtain a Criminal Record Check and Child Abuse Registry Check prior to working with youth. This is a practicum-based course.	<b>None</b>
<b>Grade 10 /11 / 12</b> <b>HETAD40S</b>	<b>0488 TEXTILE ARTS &amp; DESIGN 40S</b> This course focuses specifically on the sewing component from the textile arts and design course. Students will have the opportunity to progressively develop their machine sewing and design skills as they progress through the course levels. At level 20 students will be introduced to the colour wheel, basic fabrics, patterns, sewing equipment and basic sewing stitches. Level 30 continues with pattern reading, layout and cutting to construct a simple garment, and using colour schemes to plan and sew a quilt top. At the 40 level students will learn how to repurpose a used garment into something new and useful and finish by planning and constructing a project of their own design upon approval from their instructor.	<b>None</b>

## Motion Picture Arts

Motion picture arts are the collection of creative disciplines that produce various forms of content for television, movies, the web, social media, video games, interactive media, and so on. Students will acquire the knowledge, skills, and attitudes required to produce audio (such as music, sound effects, foley), and video (such as in-camera live-action, motion graphics, and 2D animation) content for these mediums.

Students will develop industry-relevant skills, such as operating equipment, using industry software, and managing projects, while earning industry certification and developing a portfolio. Upon completion of the cluster, they will be prepared to seek entry-level employment in the industry and/or begin post-secondary education.

Grade 9	Grade 10	Grade 11	Grade 12
Exploration of Motion Picture Arts 15S	Introduction to Motion Picture Arts 20S	Fundamentals of Animation 30S	Applied Motion Picture Arts 40S
		Fundamentals of Compositing and Visual Effects 30S	Motion Picture Arts Project Management 40S
		Fundamentals of Previsualization 30S	Motion Picture Arts Studio Training 40S
			Motion Picture Arts Portfolio Development 40S

## VOCATIONAL COURSES

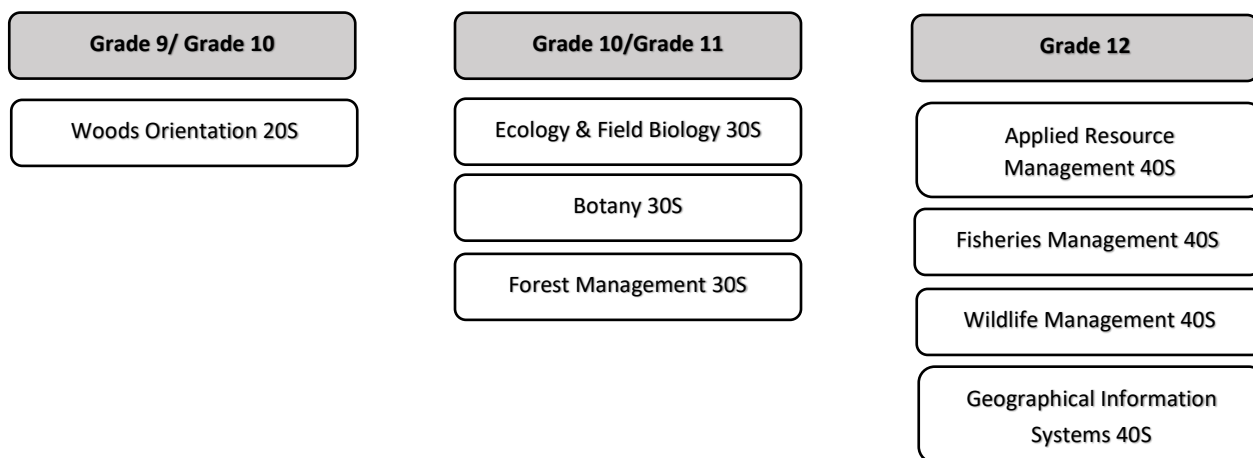
### MOTION PICTURE ARTS

Course Code	Course Description	Prerequisites
<b>Grade 9 MPEMP15S</b>	<b>9206 Exploration of Motion Picture Arts 15S</b> This is a half credit course designed for students to explore the motion picture arts. Students will learn the skills to tell stories visually through recording and editing video, sketching, and frame-by-frame animation.	None
<b>Grade 10 MPIMP20S</b>	<b>9207 Introduction to Motion Picture Arts 20S</b> This course introduces students to visual storytelling through the tools of film grammar, cinematography, editing, and sound design.	None
<b>Grade 11 MPFUA30S</b>	<b>9208 Fundamentals of Animation 30S</b> This course allows students to explore the principles of animation, stop-motion, character animation, rigging, walk cycles, cell animation, lip syncing, and compositing.	MPEMP15S or MPIMP20S
<b>Grade 11 MPFCV30S</b>	<b>9209 Fundamentals of Compositing and Visual Effects 30S</b> In this course, student will extend their learning in visual storytelling by using digital tools to add effects and create more impactful moving images. VFX skills learned in this course include motion design, chroma key (green screen), Masking, Rotoscoping, and demo reel development	MPEMP15S or MPIMP20S
<b>Grade 11 MPFUP30S</b>	<b>9210 Fundamentals of Previsualization 30S</b> This Course students explore image creation techniques and traditional theory to create original characters, scenes, settings, props, environments, and concepts for films, animations, and games. The main goal of this course is to develop the student's creative skills while exploring the drawing, digital painting, 2-D environment creation, 3-D models, and practical effects.	MPEMP15S or MPIMP20S
<b>Grade 12 MPAMP40S</b>	<b>9211 Applied Motion Picture Arts 40S</b> In this course students will select an area of specialization in the motion picture arts, and hone their skills in that area.	MPEMP15S or MPIMP20S and one of MPFUA30S or MPFCV30S or MPFUP30S
<b>Grade 12 MPPRM40S</b>	<b>9212 Motion Picture Arts Project Management 40S</b> In this course students will collaborate with others as they apply the knowledge and skills learned in previous courses in order to create, manage, and present an authentic motion picture arts project.	MPEMP15S or MPIMP20S and one of MPFUA30S or MPFCV30S or MPFUP30S
<b>Grade 12 MPSTR40S</b>	<b>9213 Motion Picture Arts Studio Training 40S</b> Students will create a career pathway plan to earn industry certification in order to facilitate their transition into the motion picture arts industry.	MPEMP15S or MPIMP20S and one of MPFUA30S or MPFCV30S or MPFUP30S
<b>Grade 12 MPPDE40S</b>	<b>9214 Motion Picture Arts Portfolio Development 40S</b> In this course students refine their professional online identity, and create a portfolio designed to gain employment in the motion picture arts industry	MPEMP15S or MPIMP20S and one of MPFUA30S or MPFCV30S or MPFUP30S

## RESOURCES & ENVIRONMENTAL MANAGEMENT

This program emphasizes the interrelationships among natural resources including forests, water, fish and wildlife, and is designed to provide the students an introduction to the technical skills required by technicians in the use and management of natural resources.

*Students will be required to complete at least 8 courses over the course of the program to qualify for the Senior Years Technology Education Diploma.*



RESOURCES & ENVIRONMENTAL MANAGEMENT		
Course Code	Course Description	Prerequisites
Grade 10 WOR20S	<b>8342 WOODS ORIENTATION 20S</b> This course is open to all students who appreciate nature, have an interest in the outdoors and enjoy outdoor experiences. Students will focus on learning various outdoor survival skills, outdoor safety and bush first aid. In addition, students will have the opportunity to learn specific camping skills and how to navigate using a map, compass and a GPS. They will also have the opportunity to complete some online certification courses such as the Hunters, Boaters, ATV and Snowmobile Safety, if they wish as part of their coursework. <b>This course is an acceptable elective at the Grade 9 level.</b>	None
Grade 10/11/12 EFB30S	<b>8344 ECOLOGY &amp; FIELD BIOLOGY 30S</b> This course covers the components, characteristics and processes in an ecosystem. It also studies the biotic and abiotic influences, energy flow and structure of an ecosystem. Both terrestrial and aquatic ecology will be examined.	None
Grade 10/11/12 BOT30S	<b>8354 BOTANY 30S</b> This course consists of an introduction to plants including the functions of roots, stems, and leaves of plants. The structure, function, growth, development and reproduction of vascular plants will be studied and compared to the non-vascular plants. Students will also learn identification of native plants and experiment to determine factors that might affect the growth of plants.	None
Grade 10/11/12 FOM30S	<b>8347 FOREST MANAGEMENT 30S</b> Students will learn many aspects of forestry as well as many management practices involved in growing trees. Topics of study will include features and parts of a tree, tree identification, tree measurements, utilization, protection, fire and pathology. Techniques and strategies that assist in making forest harvest a sustainable practice will be studied.	None
Grade 10/11/12 GIS40S	<b>8355 GEOGRAPHICAL INFORMATION SYSTEMS 40S</b> This course is an introduction to the basic functions of a geographic information system (GIS), the hardware and software components of a GIS and students will explore GIS applications in the resource management fields. The ArcGIS program provides students with practical experience where students gather data using GPS technology, enter it into the computer, organize and analyze it for relationships.	None

**RESOURCES & ENVIRONMENTAL MANAGEMENT (Continued)**

Course Code	Course Description	Prerequisites
<b>Grade 11 / 12 ARM40S</b>	<b>8353 APPLIED RESOURCE MANAGEMENT 40S</b> Students will have the opportunity to develop their understanding about food security and sustainability by learning and working in the Growcer. The Growcer is a hydroponic 10' x 40', modular vertical farm located on school property that grows many different varieties of leafy greens. Students will be required to sow the seeds, transplant and harvest the produce on a weekly basis, and they will be involved with the cleaning, maintenance and monitoring of the plants during the growth cycle. The focus will be on applying their knowledge to grow healthy greens to feed our school community.	<b>None</b>
<b>Grade 10/11/12 FMA40S</b>	<b>8350 FISHERIES MANAGEMENT 40S</b> This course involves all aspects of fisheries management. The anatomy of the fish is covered, followed by various management practices to monitor and improve fish populations. The impact of human activities is discussed as well as ways to alleviate negative impacts on water quality and fish stocks.	<b>None</b>
<b>Grade 10/11/12 WMA40S</b>	<b>8349 WILDLIFE MANAGEMENT 40S</b> This course involves studies on wildlife biology, identification and management including ungulates, furbearers, birds and waterfowl. Students will learn to understand the role of hunting, conservation, people, and disease and the effect that each has on the population dynamics of wildlife.	<b>None</b>

## WELDING TECHNOLOGY

The **Welding Technology Program** takes a very practical approach to the introduction and advancement of the skills required to work in the trade. The students will be exposed to basic welding techniques, intermediate and advanced welding procedures and the basics of metal fabrication. The program offers students training in different welding processes, different metal cutting processes, and the proper use of various hand and power tools for finishing and metal fabrication. Welding abilities can be used in many other related trades such as iron working, boiler makers, steam and pipe fitting, mechanics, auto body repair, sales and service industries, aerospace, and food production. Students will use a variety of light and heavy gauge metals such as mild steel, cast iron, stainless steel, and aluminum.

**Welding Technology is an approved apprenticeship accreditation program through Manitoba Apprenticeship.**

Students who successfully complete the accredited program with an overall average of 70% or better in the trade subjects and level for which the program was accredited, will be eligible to receive credit for their Level 1 Technical Training when they register with Manitoba Apprenticeship. Students who complete all 8 approved courses with a minimum of 70% will receive the Welding Accreditation Number on their transcript giving credit for the Welding Program Level 1. Accreditation is only valid for a specific period of time following Graduation, for more information contact Manitoba Apprenticeship.

**Students will be required to complete at least 8 courses over the course of the program to qualify for the Senior Years Technology Education Diploma.**

Grade 9	Grade 10	Grade 11	Grade 12
Exploration Of Welding Technology 15S	Introduction to Welding Technology 20S	Metal Design/Fabrication 30S	Advanced G.M.A.W. (MIG) Procedures 40S
		Basic G.M.A.W. (MIG) Procedures 30S	Advanced S.M.A.W. (ARC) Procedures 40S
		Basic S.M.A.W. (ARC) Procedures 30S	Advanced Metal Design/Fabrication 40S
			Applied Specialties & Qualifications 40S

**Grade 9 – Clear C.S.A approved safety glasses and toes caps will be provided.**

**Grade 10/11/12 -Clear C.S.A approved safety glasses, C.S.A approved steel-toed safety boots/toe caps must be worn. We recommend that students pursuing their Level 1 Certification purchase Boots and Coveralls of their own for use in class.**

<b>WELDING TECHNOLOGY</b>		
<b>Course Code</b>	<b>Course Description</b>	<b>Prerequisites</b>
<b>Grade 9 EWE15S</b>	<b>8377 EXPLORATION OF WELDING TECHNOLOGY 15S</b> This is a half credit course designed for Grade 9 students wanting a good exposure to the metal fabrication/welding shop atmosphere. Students in this course will learn the importance of safety in the workplace. It offers the use of metal fabrication tools and equipment, measuring and layout tools, shearing, the basics of oxygen/acetylene welding, oxygen/acetylene cutting, and plasma arc cutting.	<b>None</b>
<b>Grade 10 IWE20S</b>	<b>8378 INTRODUCTIONS TO WELDING TECHNOLOGY 20S</b> Students taking this course will learn the basics about arc welding machines, alternating and direct currents, electrode identification, set up and welding of different joints in the flat and vertical positions. Students will be introduced to the use of a general-purpose electrode on 10-gauge mild steel. Students will also spend some time using Gas Metal Arc Welding equipment and Plasma Arc Cutting equipment. There will be opportunities for students to design and fabricate their own projects (if approved).	<b>None</b>
<b>Grade 11 MDF30S</b>	<b>8414 METAL DESIGN FABRICATION OXY-ACETYLENE 30S</b> This course is intended for students who are considering a career in welding. The emphasis is on the design and fabrication of intermediate metal projects, as well as on Oxy-Acetylene procedures.	<b>All Grade 10 Courses Completed</b>
<b>Grade 11 BGM30S</b>	<b>8474 BASIC G.M.A.W. (MIG) PROCEDURES 30S</b> Students will learn and practice skills using different welding rods and different positions. They will be using some thicker materials and be introduced to the open root welds and corner welds.	<b>All Grade 10 Courses Completed</b>
<b>Grade 11 BSM30S</b>	<b>8486 BASIC S.M.A.W. (ARC) PROCEDURES 30S</b> Students will be learning more advanced ARC welding procedures than the previous units covering this process. This course is designed to develop the skills previously developed and build upon them. They will also be learning some of the basic blueprint reading skills that will be needed in most trades.	<b>All Grade 10 Courses Completed</b>
<b>Grade 12 AGM40S</b>	<b>8487 ADVANCED G.M.A.W. (MIG) PROCEDURES 40S</b> This course concentrates on improving the student's ability to weld with solid wire, flux cored wire, metal core wire, and aluminum wire. Students taking advanced gas metal arc welding will be taught about the equipment and safety concerns in a welding shop, set up and welding of V-butt welds.	<b>All Grade 11 Courses Completed</b>
<b>Grade 12 ASM40S</b>	<b>8488 ADVANCED S.M.A.W. (ARC) PROCEDURES 40S</b> This course concentrates on improving the student's ability to arc weld. Students taking advanced Shield metal arc welding will learn about the equipment and safety concerns in a welding shop, set up and welding of V-butt welds.	<b>All Grade 11 Courses Completed</b>
<b>Grade 12 AME40S</b>	<b>8489 ADVANCED METAL DESIGN/FABRICATION 40S</b> Students will be encouraged to set up and produce quality welds during the fabrication of any minor or major projects and/or repair work that comes into the shop. Required projects will be an emphasis on billing, shop drawings, and material lists.	<b>All Grade 11 Courses Completed</b>
<b>Grade 12 ASP40S</b>	<b>8503 APPLIED SPECIALITIES AND QUALIFICATIONS 40S</b> Students will do positional welding and cutting, they will troubleshoot welds and use various types of shop equipment. Students will prepare for the workforce by preparing a resume and some projects of looking, finding and requirements to maintain employment.	<b>All Grade 11 Courses Completed</b>

# **Additional Reference**

Manitoba Department of Education  
Graduation Requirements

English

French Immersion

Technology

NITT-Northern Lights Institute of  
Trades and Technology



# Graduation Requirements

## for the *English* Program

Minimum 30 Credits

The English Program consists of 17 compulsory credits and 13 optional credits.

### 17 Compulsory Credits

For a full explanation of course codes see [www.edu.gov.mb.ca/k12/mychild/common\\_questions\\_9to12.html](http://www.edu.gov.mb.ca/k12/mychild/common_questions_9to12.html)

Subject Areas	5 Compulsory Credits	Grade 9	5 Compulsory Credits	Grade 10	4 Compulsory Credits	Grade 11	3 Compulsory Credits	Grade 12
<b>English Language Arts</b>	English Language Arts 10F/E/M	English Language Arts 20F/E/M	English Language Arts 20F/E/M	English Language Arts 20F/E/M	One of the following: ■ ELA: Comprehensive Focus 30S/E/M ■ ELA: Literary Focus 30S/E/M ■ ELA: Transactional Focus 30S/E/M	One of the following: ■ ELA: Comprehensive Focus 40S/E/M ■ ELA: Literary Focus 40S/E/M ■ ELA: Transactional Focus 40S/E/M	One of the following: ■ ELA: Comprehensive Focus 40S/E/M ■ ELA: Literary Focus 40S/E/M ■ ELA: Transactional Focus 40S/E/M	One of the following: ■ ELA: Comprehensive Focus 40S/E/M ■ ELA: Literary Focus 40S/E/M ■ ELA: Transactional Focus 40S/E/M
<b>Mathematics</b>	Mathematics 10F/E/M	One of the following: ■ Essential Mathematics 20S/E/M ■ Essential Mathematics I 25S/E/M and ■ Essential Mathematics II 25S/E/M ■ Introduction to Applied and ■ Pre-Calculus Mathematics 20S/E/M	One of the following: ■ Essential Mathematics 20S/E/M ■ Essential Mathematics I 25S/E/M and ■ Essential Mathematics II 25S/E/M ■ Introduction to Applied and ■ Pre-Calculus Mathematics 20S/E/M	One of the following: ■ Applied Mathematics 30S/E/M ■ Essential Mathematics 30S/E/M ■ Essential Mathematics III 35S/E/M and ■ Essential Mathematics IV 35S/E/M ■ Pre-Calculus Mathematics 30S/E/M	One of the following: ■ Applied Mathematics 30S/E/M ■ Essential Mathematics 30S/E/M ■ Essential Mathematics III 35S/E/M and ■ Essential Mathematics IV 35S/E/M ■ Pre-Calculus Mathematics 30S/E/M	One of the following: ■ Applied Mathematics 40S/E/M ■ Essential Mathematics 40S/E/M ■ Essential Mathematics V 45S/E/M and ■ Essential Mathematics VI 45S/E/M ■ Pre-Calculus Mathematics 40S/E/M	One of the following: ■ Applied Mathematics 40S/E/M ■ Essential Mathematics 40S/E/M ■ Essential Mathematics V 45S/E/M and ■ Essential Mathematics VI 45S/E/M ■ Pre-Calculus Mathematics 40S/E/M	One of the following: ■ Applied Mathematics 40S/E/M ■ Essential Mathematics 40S/E/M ■ Essential Mathematics V 45S/E/M and ■ Essential Mathematics VI 45S/E/M ■ Pre-Calculus Mathematics 40S/E/M
<b>Physical Education/Health Education</b>	Physical Education/Health Education 10F/E/M	Physical Education/Health Education 10F/E/M	Physical Education/Health Education 20F/E/M	Physical Education/Health Education 20F/E/M	Physical Education/Health Education 30F/E/M	Physical Education/Health Education 40F/E/M	Physical Education/Health Education 40F/E/M	Physical Education/Health Education 40F/E/M
<b>Social Studies</b>	Canada in the Contemporary World 10F/E/M	Canada in the Contemporary World 10F/E/M	Geographic Issues of the 21st Century 20F/E/M	Geographic Issues of the 21st Century 20F/E/M	History of Canada 30F/E/M	History of Canada 30F/E/M	History of Canada 30F/E/M	History of Canada 30F/E/M
<b>Science</b>	Science 10F/E/M	Science 10F/E/M	Science 20F/E/M	Science 20F/E/M	Science 20F/E/M	Science 20F/E/M	Science 20F/E/M	Science 20F/E/M

### Notes

### 13 Optional Credits

Thirteen credits from subject areas such as:

- English language arts (additional courses for credit)
- mathematics (additional courses for credit)
- sciences (additional courses for credit)
- social studies (additional courses for credit)
- French (English Program)
- other languages
- the arts: visual arts, music, drama, dance
- career development

- psychology
- computer science
- technical-vocational education
  - technical-vocational education
  - human ecology
  - business and marketing/applied commerce
  - industrial arts
- others as offered by the school including School-Initiated Courses (SICs) and Dual Credits
- others as initiated by the student including Student-Initiated Projects (SIPs), Special Language Credit Options (SLCOs), Private Music Options (PMOs), and Royal Winnipeg Ballet

See your school for a complete list of course offerings.

- 1 All subjects are taught in English with the exception of other languages studied.
- 2 Credit cannot be held concurrently for the same course with different course designations (e.g., English Language Arts 10F and 10E).
- 3 Non-Manitoba courses from other jurisdictions may be evaluated and accepted by the school principal for credit to meet Manitoba high school graduation requirements.
- 4 In exceptional circumstances and in discussion with parents, a school administrator may approve the substitution of a maximum of two optional credits for two compulsory credits. All substitution of credits must be reported to Education Administration Services.
- 5 Students following Advanced Placement (AP) or International Baccalaureate (IB) programs must meet the Manitoba graduation requirements, including attaining credits in 40S English language arts and mathematics, and must write the provincial tests associated with these courses.
- 6 ELA: Language and Technical Communication 40S/E/M may be used to satisfy the Grade 12 English language arts requirement for the Technology Education Program diploma.
- 7 At least one optional credit must be at the Grade 11 level and at least two optional credits must be at the Grade 12 level.
- 8 Students may obtain credit for a maximum of 11 SICs, 3 SIPs, 4 SLCOs, and 4 PMOs.
- 9 Students should ensure that they meet the entrance requirements of the post-secondary education (college or university), training, or work situation they intend to pursue.

# for the *French Immersion* Program Graduation Requirements

for the

# French Immersion

Minimum 30 credits of which a minimum of 14 taught in French

## 21 Compulsory Credits

	Grade 9	Grade 10	Grade 11	Grade 12
<b>Compulsory Subjects</b>	<b>French Language Arts</b> <ul style="list-style-type: none"> <li>Français langue seconde – immersion</li> </ul>	<b>French Language Arts</b> <ul style="list-style-type: none"> <li>Français langue seconde – immersion</li> </ul>	<b>French Language Arts</b> <ul style="list-style-type: none"> <li>Français langue seconde – immersion : langue et communication</li> </ul>	<b>French Language Arts</b> <ul style="list-style-type: none"> <li>Français langue seconde – immersion : langue et communication</li> </ul>
	<b>English Language Arts</b> <ul style="list-style-type: none"> <li>English Language Arts</li> </ul>	<b>English Language Arts</b> <ul style="list-style-type: none"> <li>English Language Arts</li> </ul>	<b>English Language Arts</b> - 1 of the following: <ul style="list-style-type: none"> <li>ELA - Imm: Comprehensive Focus</li> <li>ELA - Imm: Literary Focus</li> <li>ELA - Imm: Transactional Focus</li> </ul>	<b>English Language Arts</b> - 1 of the following: <ul style="list-style-type: none"> <li>ELA - Imm: Comprehensive Focus</li> <li>ELA - Imm: Literary Focus</li> <li>ELA - Imm: Transactional Focus</li> </ul>
	<b>Mathematics</b> <ul style="list-style-type: none"> <li>Mathématiques or Mathematics</li> </ul>	<b>Mathematics</b> - 1 of the following: <ul style="list-style-type: none"> <li>Mathématiques au quotidien I and II or Essential Mathematics I and Essential Mathematics II</li> <li>Introduction aux mathématiques appliquées et au pré-calcul or Introduction to Applied and Pre-Calculus Mathematics</li> </ul>	<b>Mathematics</b> - 1 of the following: <ul style="list-style-type: none"> <li>Mathématiques appliquées or Applied Mathematics</li> <li>Mathématiques au quotidien III and Essential Mathematics III and Essential Mathematics IV</li> <li>Mathématiques pré-calcul or Pre-Calculus Mathematics</li> </ul>	<b>Mathematics</b> - 1 of the following: <ul style="list-style-type: none"> <li>Mathématiques appliquées or Applied Mathematics</li> <li>Mathématiques au quotidien or Essential Mathematics</li> <li>Mathématiques au quotidien V and Essential Mathematics V and Essential Mathematics VI</li> <li>Mathématiques pré-calcul or Pre-Calculus Mathematics</li> </ul>
	<b>Éducation physique et Éducation à la santé</b> or Physical Education/Health Education	<b>Éducation physique et Éducation à la santé</b> or Physical Education/Health Education	<b>Éducation physique et Éducation à la santé</b> or Physical Education/Health Education	<b>Éducation physique et Éducation à la santé</b> or Physical Education/Health Education
	<b>Social studies</b> <ul style="list-style-type: none"> <li>Le Canada dans le monde contemporain or Canada in the Contemporary World</li> </ul>	<b>Social studies</b> <ul style="list-style-type: none"> <li>Les enjeux géographiques du XXI<sup>e</sup> siècle or Geographic Issues of the 21<sup>st</sup> Century</li> </ul>	<b>Social studies</b> <ul style="list-style-type: none"> <li>Histoire du Canada or History of Canada</li> </ul>	
	<b>Science</b> <ul style="list-style-type: none"> <li>Sciences de la nature or Science</li> </ul>	<b>Science</b> <ul style="list-style-type: none"> <li>Sciences de la nature or Science</li> </ul>		

## 9 Optional Credits

### 9 credits from subject areas such as:

- Français  
(*additional courses for credit*)
- English language arts  
(*additional courses for credit*)
- Mathematics  
(*additional courses for credit*)
- Sciences  
(*additional courses for credit*)
- Social studies  
(*additional courses for credit*)
- Other languages
- The arts: visual arts, music, drama, dance
- Career development
- Psychology
- Computer science
- Technical/vocational education
- Human ecology
- Business and marketing
- Industrial arts
- Others as offered by the school including School-Initiated Courses (SICs) and Dual Credits
- Others as initiated by the student including Student-Initiated Projects (SIPs) and Special Language Credit Options (SLCOs)

See your school for a complete list of course offerings.

## GRADUATION REQUIREMENTS FOR THE FRENCH IMMERSION PROGRAM

### Notes

- Students must earn at least **14 credits** from courses taught in French to meet the requirements of the French Immersion Program Diploma.
  - In Grade 9, a minimum of **4 credits** from courses taught in French;
  - In Grade 10, a minimum of **4 credits** from courses taught in French;
  - In Grade 11, a minimum of **3 credits** from courses taught in French;
  - In Grade 12, a minimum of **3 credits** from courses taught in French.
- Credit cannot be held concurrently for the same course with different course designations (ex: English language arts 10F and 10E).
- Non-Manitoba courses from other jurisdictions may be evaluated and accepted by the school principal for credit to meet Manitoba high school graduation requirements.
- In exceptional circumstances and in discussion with parents, a school administrator may approve the substitution of a maximum of two optional credits for two compulsory credits. All substitution of credits must be reported to Student Records.
- Students following Advanced Placement (AP) or International Baccalaureate (IB) programs must meet the Manitoba graduation requirements, including attaining credits in Grade 12 Français, English, and Mathematics prescribed by the Department, and must write the provincial tests associated with these courses.
- At least **one** optional credit must be at the Grade 11 level and at least **one** optional credit must be at the Grade 12 level.
- Students may obtain credit for a maximum of 11 SICs, 3 SIPs, 4 SLCOs and 4 PMOs at the senior years level.
- Students should ensure that they meet the entrance requirements of the post-secondary education (college or university), training or work situation they intend to pursue.

For a summary explanation of courses see:  
[www.manitoba.ca/mychildinschool](http://www.manitoba.ca/mychildinschool)



# Graduation Requirements for the Technology Education Program

Minimum 30 Credits

**Effective September 2018, History of Canada 30F/E/M will become a compulsory credit for students graduating in 2020/21 and subsequent years.**

The Technology Education Program consists of 17 compulsory credits, plus 8 compulsory credits from an approved technical-vocational cluster or business education and marketing/applied commerce education cluster, plus 5 optional credits. An approved cluster must comprise departmentally developed and/or approved courses that facilitate the transition from school to work.

## 17 Compulsory Credits

For a full explanation of course codes see [www.edu.gov.mb.ca/k12/mychild/common\\_questions\\_9to12.html](http://www.edu.gov.mb.ca/k12/mychild/common_questions_9to12.html)

Subject Areas	5 Compulsory Credits Grade 9	5 Compulsory Credits Grade 10	4 Compulsory Credits Grade 11	3 Compulsory Credits Grade 12	
English Language Arts	English Language Arts 10F/E/M	English Language Arts 20F/E/M	One of the following: ■ ELA: Comprehensive Focus 30S/E/M ■ ELA: Literary Focus 30S/E/M ■ ELA: Transactional Focus 30S/E/M	One of the following: ■ ELA: Comprehensive Focus 40S/E/M ■ ELA: Language and Technical Communication 40S/E/M ■ ELA: Literary Focus 40S/E/M ■ ELA: Transactional Focus 40S/E/M	■ Students must complete a minimum of 8 approved credits from within an approved technical-vocational cluster or business education and marketing/applied commerce education cluster.  ■ Students must fulfill the minimum 30-credit graduation requirement by completing 5 credits from the optional category.
Mathematics	Mathematics 10F/E/M	One of the following: ■ Essential Mathematics 20S/E/M ■ Essential Mathematics I 25S/E/M and Essential Mathematics II 25S/E/M ■ Introduction to Applied and Pre-Calculus Mathematics 20S/E/M	One of the following: ■ Applied Mathematics 30S/E/M ■ Essential Mathematics 30S/E/M ■ Essential Mathematics III 35S/E/M and Essential Mathematics IV 35S/E/M ■ Pre-Calculus Mathematics 30S/E/M	One of the following: ■ Applied Mathematics 40S/E/M ■ Essential Mathematics 40S/E/M ■ Essential Mathematics V 45S/E/M and Essential Mathematics VI 45S/E/M ■ Pre-Calculus Mathematics 40S/E/M	
Physical Education/ Health Education	Physical Education/ Health Education 10F/E/M	Physical Education/ Health Education 20F/E/M	Physical Education/ Health Education 30F/E/M	Physical Education/ Health Education 40F/E/M	
Social Studies	Canada in the Contemporary World 10F/E/M	Geographic Issues of the 21st Century 20F/E/M	History of Canada 30F/E/M		
Science	Science 10F/E/M	Science 20F/E/M			

Notes

## Notes

- All subjects are taught in English with the exception of other languages studied.
- Credit cannot be held concurrently for the same course with different course designations (e.g., English Language Arts 10F and 10E).
- Non-Manitoba courses from other jurisdictions may be evaluated and accepted by the school principal for credit to meet Manitoba high school graduation requirements.
- In exceptional circumstances and in discussion with parents, a school administrator may approve the substitution of a maximum of two optional credits for two compulsory credits. All substitution of credits must be reported to Education Administration Services.
- Students following Advanced Placement (AP) or International Baccalaureate (IB) programs must meet the Manitoba graduation requirements, including attaining credits in 40S English language arts and mathematics, and must write the provincial tests associated with these courses.
- ELA: Language and Technical Communication 40S/E/M may be used to satisfy the Grade 12 English language arts requirement for the Technology Education Program diploma.
- To complete a High School Apprenticeship Program as part of a Technology Education diploma, students must complete the 17 compulsory requirements and 8 approved High School Apprenticeship Program credits, along with the 5 optional credits.
- Students (except those in HSAP) must complete a minimum of two Grade 11 credits and two Grade 12 credits within the approved technical-vocational cluster. 3 SIPs, 4 SLCOs, and 4 PMOs.
- Students may obtain credit for a maximum of 11 SLCOs, 3 SIPs, 4 SLCOs, and 4 PMOs.
- Students should ensure that they meet the entrance requirements of the post-secondary education (college or university), training, or work situation they intend to pursue.

## 5 Optional Credits

- Five credits from subject areas such as:
- English language arts (additional courses for credit)
  - mathematics (additional courses for credit)
  - sciences (additional courses for credit)
  - social studies (additional courses for credit)
  - French (English Program)
  - other languages
  - the arts: visual arts, music, drama, dance
  - career development
  - psychology
  - computer science
  - technology education
    - technical-vocational education
    - human ecology
    - business and marketing/applied commerce
    - industrial arts
  - others as offered by the school including School-Initiated Courses (SLCs) and Dual Credits
  - others as initiated by the student including Student-Initiated Projects (SIPs), Special Language Credit Options (SLCOs), Private Music Options (PMOs), and Royal Winnipeg Ballet
- See your school for a complete list of course offerings.

## LEVEL I PROGRAMS FOR ADULT STUDENTS

Through our post-secondary subsidiary Northern Lights Institute of Trades and Technology (NITT), we can train 1-2 adult students per accredited area.

These areas are: Automotive, Carpentry, Culinary Arts, Electrical, Hairstyling, Heavy Duty, and Welding. These full-time programs are Manitoba Apprenticeship accredited and consists of 8-12 courses.



### **Expectations:**

Students must complete in school technical training hours and maintain an average of 70% in both practical and theory aspects to successfully complete Level 1 of the designated trade. Once these requirements have been completed, it is the responsibility of the student to find a job in industry under a licenced Red Seal Journeyman to complete the practical hours and obtain their complete Level I or in the case of Hairstyling their own Red Seal Certificate of Qualification.

### **Recognition of Prior Learning:**

In accordance with Apprenticeship Manitoba Guidelines, recognition of prior learning will only be considered if previous courses have been completed within the last two years at the time of course registration.

### **Behavior Expectations:**

Students shall become familiar with the S.V.R.S.S. Code of Conduct, and S.V.R.S.S. Beliefs. These documents are available to view on the school website.

### **Attendance:**

Regular attendance and punctuality are a necessity for success in school, but also transfers over into positive workplace ethics. As per Apprenticeship Manitoba Rules and Regulations, each course within the programs must meet the 110-hour requirement. If these requirements are not met, S.V.R.S.S. reserves the right to hold back credit until said hours are completed.

\*Minimum of 4 courses per school semester.

\*\*Estimated time for completion 1 - 1.5 school calendar years.

For program availability, more information and costs associated with this training please contact the school office.



# SVRSS Additional Programming Options for Graduated Students

## Upscale Existing Academic Marks – 4 Credits or less

- For University/College entrance requirements
- 4 Credits available for free academic upscaling

## TRADE CERTIFICATION OPTIONS

### COMPLETION OF TRADES CERTIFICATION

#### Current Graduate (attending the next year after graduation)

- Have 2 or more courses in a trade cluster with minimum 70%
- 4 Credits available for free
- Additional credits at a cost of \$500/course
- enroll in school-based courses
- These courses follow the school year and schedule; you may have to attend various separate times throughout the day.

#### Prior Learning Recognition for Former SVRSS or MB Technical Education Students

- 2 or more courses in a trade cluster with minimum 70%, earned within past 3 years
- Additional credits at a cost of \$1,300/course
- enroll in school-based courses
- These courses follow the school year and schedule; you may have to attend various separate times throughout the day.

### EARN A FULL TRADE CERTIFICATION

- Enroll in NITT programing to earn one of 7 Apprenticeship Manitoba Accredited Trades
- Tuition is \$10,300, which includes criminal record check, child abuse registry check, textbooks
- Trade Toolkit is \$750 (flexible with student owned gear)
- These courses have you in the specific area all day, or pending student numbers, a dedicated teacher may be provided.

*\*SVSD reserves the right to review for prior learning and adjust credit acquisition and tuition accordingly*





"MAKE A DIFFERENCE TODAY FOR TOMORROW"