

Shevchenko School

# Course Catalog



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# Graduation Requirements

To graduate from a high school in Manitoba with a Senior Years English Program graduation diploma, students must successfully complete a minimum of 30 credits as outlined in the table below: 17 compulsory credits and 13 optional credits (at least one at the grade 11 level and two at the grade 12 level). In addition to meeting provincial graduation requirements, students who complete a minimum of 8 credits from within an approved technical-vocational or applied commerce education cluster earn a Senior Years Technology Education Program graduation diploma.

## Compulsory Credits

Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> <li>• English Language Arts</li> <li>• Mathematics</li> <li>• Science</li> <li>• Canada in the Contemporary World</li> <li>• Physical Education &amp; Health</li> </ul>	<ul style="list-style-type: none"> <li>• English Language Arts</li> <li>• Essential Math OR Intro to Applied &amp; Pre-Calculus</li> <li>• Science</li> <li>• Geographic Issues in the 21<sup>st</sup> Century</li> <li>• Physical Education &amp; Health</li> </ul>	<ul style="list-style-type: none"> <li>• English Language Arts (Comprehensive, Literary or Transactional)</li> <li>• Essential Math OR Applied Math OR Pre-Calculus Math</li> <li>• History of Canada</li> <li>• Physical Education &amp; Health</li> </ul>	<ul style="list-style-type: none"> <li>• English Language Arts (Comprehensive, Literary or Transactional)</li> <li>• Essential Math OR Applied Math OR Pre-Calculus Math</li> <li>• Physical Education &amp; Health</li> </ul>

English Program:

[Graduation Requirements for the English Program \(gov.mb.ca\)](http://gov.mb.ca)

Technology Education Program

[Graduation Requirements for the Technology Education Program \(gov.mb.ca\)](http://gov.mb.ca)

## How to Understand Course Codes

### Course Numbering

The numbering system is made up of three characters, the first and second being numerals and the third a letter. The first character represents the grade level, the second the origin of development, and the third the level of difficulty or specialization.

#### FIRST CHARACTER

- 1 = Grade 9
- 2 = Grade 10
- 3 = Grade 11
- 4 = Grade 12

#### SECOND CHARACTER

0 – Developed/approved by Manitoba Education, Citizenship and Youth for 1 or more credits.

- 5 – Developed/approved by Manitoba Education, Citizenship and Youth for ½ credit
- 1 – Developed by the School or Division including Self-Initiated Projects for ½ or more credits
- 2 – Advanced placement courses or private music options.

### **THIRD CHARACTER**

- F - Foundation: educational experiences, which are broadly based and appropriate to all students.
- G - General: general educational experience for all students.
- S - Specialized: learning experiences/skills leading to further studies at the post-secondary level.
- M - Modified: courses for which curriculum has been modified to consider the capabilities of students with special needs.

# Grade 9 Course Descriptions

## Compulsory Courses

### English Language Art 10

The grade 9 ELA course is a foundational course which is designed to help students to understand and appreciate language. Students will listen, speak, read, write, view, and represent to:

- Explore thoughts, ideas, feelings, and experiences.
- Comprehend and respond personally and critically to oral, literary, and media texts.
- Manage ideas and information.
- Enhance the clarity and artistry of communication.
- Celebrate and build community.

### Mathematics 10

Grade 9 Mathematics is a foundation course to prepare students for multiple possible pathways in Grades 10 to 12. The course builds on the understanding from kindergarten to Grade 8 Mathematics.

### Science 10

Grade 9 Science is a foundation course to prepare students for multiple possible pathways. Grade 9 Science is organized into four clusters:

- Reproduction
- Atoms & Elements
- Nature of Electricity
- Exploring the Universe

### Canada in the Contemporary World 10

In Grade 9 students will begin with an overview of Canada today, including its demographics, geography, and political organization. They examine the evolving stories of interaction among the people of Canada, and the influence of the land on the development of Canada. They explore the historical and contemporary complexities of citizenship and identity, considering the challenges and opportunities that emerge when groups with differing identities and perspectives interact with one another.

### Physical Education/Health 10

This program revolves around improving fitness and health through continuous exercise, low-organized games, and team & individual sports.

Students are taught that Phys. Ed. is an attitude that creates a healthy lifestyle, which is balanced and diversified. We will be using various community facilities to promote lifetime activities and active living. The Grade 9 Health component is also taught in conjunction with this course.

## **Optional Courses**

### **Transitional Math 10**

Transitional Focus course offers students the basic mathematical skills necessary to fill in gaps and transition students for success in grade 9 math. Recommended for students who score less than 65% in Grade 8.

### **Applying Information & Communication Technology 15**

The purpose of the course is to reinforce and extend the ICT knowledge, attitudes, and skills acquired by students in the Early and Middle Years. The course will further prepare students to use ICT to learn and demonstrate their learning in all Senior Years courses.

### **Life Work Exploration 15**

This is an introductory course designed to help students explore aspects of school learning and the workplace. Topics covered include:

- Personal Management
- Career Exploration
- Learning & Planning

### **French 10**

The French courses aim to provide all students in Manitoba with quality French instruction which enables them to communicate in the French language and to appreciate francophone cultures.

The goals of the courses are to give students the opportunity to:

- acquire the necessary language skills to communicate in French.
- value the learning of French as a tool for personal, intellectual, and social growth.
- demonstrate an appreciation of Francophone cultures.
- further develop intercultural communication skills that are essential to all global citizens.

### **Human Ecology 10**

This course will encompass areas of study within family studies, food and nutrition, and textile arts and design. Family studies explores adolescent development from the perspective of the adolescent student. Food and nutrition focuses on the individual and the relationships and influences that affect food choices. Students will examine the fundamentals of nutrition and develop safe food handling and food preparation skills in a practical setting. The textile arts and design component of this course will explore a basic understanding of textiles available to the individual consumer and how those textiles can be constructed, designed, used, and obtained. Students will examine personal use of textiles, individual clothing choices, sustainability of local communities, and an introduction to environmental design.

### **Woodworking 10**

Grade 9 Wood Working is an introductory course that allows students to work on hands-on projects. Students will learn about shop safety and develop their problem-solving skills.

## **Metal Working 10**

This course concentrates on acquiring skills in M.I.G. and oxy-acetylene welding, as well as working with different types of metals. Projects cover a wide variety of processes . Product design is also a component of this hands-on course.



# Grade 10 Course Descriptions

## Compulsory Courses

### English Language Arts 20

The grade 10 ELA course is a foundational course which is designed to help students to understand and appreciate language. Students will listen, speak, read, write, view, and represent to:

- Explore thoughts, ideas, feelings, and experiences.
- Comprehend and respond personally and critically to oral, literary, and media texts.
- Manage ideas and information.
- Enhance the clarity and artistry of communication.
- Celebrate and build community.

### Essential Mathematics 20

Students graduating with Essential Mathematics will be prepared to enter the work force with the ability to function in a world where mathematical concepts permeate daily life, business, industry, government, and our thinking about the environment. They will also be able to use mathematics not just in their work lives, but also in their personal lives as citizens and consumers.

As an introductory course, students in this course will become proficient in basic mathematical skills and manipulations, solve problems in useful ways and learn to clearly communicate these solutions.

### Introduction to Applied & Pre-Calculus Mathematics 20

Grade 10 Introduction to Applied and Pre-calculus Mathematics is intended for students considering post-secondary studies that require a math pre-requisite. This course is foundational for students to branch into Applied 30S or Pre-Calculus 30S. A variety of activities that include the use of calculators and computers, problem solving, mental mathematics, and theoretical mathematics will be used to illustrate the connections between concrete (diagrams, measurements, illustrations) and abstract (algebra, theoretical math).

### Physical Education & Health 20

This program revolves around improving fitness and health through continuous exercise, low organized games, and team & individual sports. Students are taught that Phys-Ed is an attitude that creates a healthy lifestyle, which is balanced and diversified. We will be using various community facilities to promote lifetime activities and active living. The Grade 10 Health component is also taught in conjunction with this course.

### Geographic Issues of the 21<sup>st</sup> Century 20

The five major areas of study include geographic literacy, natural resources, food, industry, and urban places. The purpose of the course is to help students understand their world better throughout the systematic study of these five areas of geographic inquiry. In addition, values and attitudes are emphasized as important parts of studying geography.

## **Science 20**

In this course, students will investigate questions about natural phenomena, learn about scientific laws, and develop skills for future science courses. This class will prepare students for Physics 30S, Chemistry 30S and Biology 30S. The course requires the use of both logical and creative thinking and will develop the knowledge and skills students need to study science.

The course is divided into four clusters.

- Dynamics of Ecosystems covers the complex relationships present in ecosystems to investigate issues of sustainability.
- Chemistry in Action examines the interactions among elements as they form compounds through chemical reactions.
- In Motion develops an understanding of the physics of motion (displacement, velocity, acceleration, and time).
- Weather Dynamics focuses on the relationships that control weather and climate.

## **Optional Courses**

### **French 20**

Students will have opportunities to improve oral and written communication in French as they expand their vocabulary to express their thoughts effectively on a broader range of personal topics.

### **Human Ecology 20**

This course will encompass areas of study within family studies, food and nutrition, and textile arts and design. Family studies focus on the skills and knowledge parents and caregivers need, with emphasis on maternal health, pregnancy, birth, and the early years of human development. Food and nutrition focus on the individual and the influence that marketing and media have on food choices and their impact on health and well-being. Textile arts and design examines a broader understanding of textile uses and techniques achieved through practical experiences. Students will examine socially conscious manufacturing, clothing security, regional design styles, costume development, and environmental design.

### **Woodworking 20**

### **Art 20**

This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context.

### **2D Animation 35**

The purpose of the course is to provide students with the skills and knowledge to create two-dimensional animations. This will be done through a traditional and digital animation.

### **3D Modeling 35**

The purpose of the course is to provide students with the skills and knowledge to use software to create three-dimensional models that represent real objects or illustrate ideas.

## **Family Studies 20**

Grade 10 Family Studies 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 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.

Not Offered every year.

# Grade 11 Course Descriptions

## Compulsory Courses

### English Language Arts – Comprehensive Focus 30

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.

### English Language Arts – Literary Focus 30

Literary Focus will allow students the opportunity to use aesthetic texts to explore and demonstrate their learning. Students who are comfortable with creative writing, poetry, reading for pleasure, and other forms of texts that allow for the exploration of language and form will find a wide variety of opportunities to excel in this course. While an expository essay is required for all English 30S classes, students will be expected to demonstrate their learning in more creative forms for most tasks. Regular creative writing prompts should be expected for portions of this course.

### English Language Arts – Transactional Focus 30

Transaction Focus allows students to focus on pragmatic texts to explore and demonstrate their learning. Students will focus on more information-based materials and texts that inform, direct, analyze, and explain. Students who prefer more direct language and texts that have a purpose will find a wide variety of opportunities to excel in this course. Modern forms of journalism may also be a regular component of this course.

### Essential Mathematics 30

This course builds on the problem analysis and analysis of games and numbers introduced in 20S. 30S expands on the use of projects and portfolios when studying in the following areas: income and debt, personal income tax, operating a vehicle, measurement technology, probability, data analysis, and relations and formulas.

Offered every year.

### Applied Mathematics 30

Students will develop mathematical concepts using data and problem solving. The course emphasizes effective communication skills and the use of technology. Topics include measurement, statistics, geometry, relations and function, trigonometry, and logic.

Offered in the 2025-2026 and 2027-2028 school years.

### Pre-Calculus Mathematics 30

This course builds on the topics of trigonometry, geometry, functions, and exponents and radicals. The Pre-Calculus stream is the most strenuous stream of theoretical math and will require intensive student effort.

Offered in the 2024-2025 and 2026-2027 school years.

## **Physical Education & Health 30**

This course is designed to help students take greater ownership of their physical fitness. A goal of this program will be for students to seek out activities that interest and engage students to live an active lifestyle in the future. The grade 11 physical education course is taught following a model which consists of creating and following a fitness plan where there is logging of activity hours outside of in-class hours.

## **History of Canada 30**

History is a critical element of social studies. The Canadian History class examines the past through five clusters. Each cluster concentrates on an aspect of Canadian history in a chronological manner. Aside from content, six critical thinking strategies permeate the course. The purpose of the course is to have students understand and feel a part of the development of Canada.

## **Optional Courses**

### **Chemistry 30**

This course is designed to introduce and develop some of the basic concepts in chemistry and to promote an understanding of the relationship between chemistry, technology, and their impact upon the individual and society. Content includes physical properties and changes, chemical reactions, solubility, gases, and organic chemistry.

Offered every year.

### **Physics 30**

This course looks at the fundamental laws that govern the natural world; physics serves as a foundation upon which a tremendous diversity of studies and careers are built. The relationships in physics are studied in four different modes, physical/conceptual, numeric, graphical, and symbolic. Topics covered in this course are measurement, vectors, forces of motion, gravitational and electrical fields, sound, and waves. Several different types of experiments will be conducted related to the topics addressed in the course.

Offered every second school year.

### **Biology 30**

This course is a study of the human body and wellness. This course looks in depth at the body systems, looks at how the systems are maintained and implications of mistreating these systems. The body systems addressed are digestion, respiration, blood, circulation, immunity, excretion, and nervous system. This course will also include several dissections.

Offered every second school year.

### **Human Ecology 30**

This course will encompass areas of study within family studies, food and nutrition, and textile arts and design. Family studies focuses on the relationships of children and adolescents within families. Students will learn about developmental needs, effective care, and positive interactions with children/adolescents. Food and nutrition focus on the individual within the community and Canada, including the influence regions have on our personal food choices. Textile arts and design focuses on enhanced skill development with textile products. Students will examine manufacturers

and consumers' social responsibilities and the significance of various symbols and adornments in a variety of Canadian cultures.

### **Metal Working 30**

This course is aimed at those students who want to develop a greater understanding of metal working. Those taking this course can do so for two reasons, the simple enjoyment of creating metal projects, and the pursuit of a career in a metal-related field.

### **Woodworking 30**

Similar to Metal Working, this course is aimed at those students who want to develop a greater understanding of woodworking. Students will work projects of interest to them while developing their skills.

### **Art 30**

This course focuses on studio activities in one or more of the visual arts, including drawing, painting, sculpture, photography, printmaking, collage, and/or multimedia art. Students will use the creative process to create art works that reflect a wide range of subjects and will evaluate works using the critical analysis process. Students will also explore works of art within a personal, contemporary, historical, and cultural context.

### **French 30**

This course provides students with even more tools needed to become proficient in the language. Students participate in a wide variety of language activities, with greater focus on partner and group interaction.

### **Family Studies 30**

Grade 11 Family Studies focuses on children's and adolescents' relationships within their families. Students will learn about developmental needs, effective care, and positive interactions with children/ adolescents. The skills and knowledge that students gain will provide them with the opportunity to make informed decisions related to parenting, relationships, and families.

Not offered every year.

# Grade 12 Course Descriptions

## Compulsory Courses

### English Language Arts – Comprehensive Focus

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.

### English Language Arts – Literary Focus

Literary Focus continues to focus on aesthetic texts for students to study and emulate when demonstrating their learning. A large portion of this course will be devoted to an advanced Creative Writing Lab. Students will focus on Critical Lenses to be able to further develop their critical learning skills by analyzing a variety of the texts in their lives, including poetry, stories, and cinema.

### English Language Arts – Transactional Focus

Transactional Focus continues to focus on texts and language that is designed to inform and instruct/explain. Students will focus on the ability to communicate and think critically through forms like articles, editorials, essays, interviews, and movies. Anyone who prefers more direct language will excel in this course.

### Essential Mathematics 40

This course builds on problem analysis and analysis of games and numbers taught in 30S. Through practical application of mathematical concepts, the course enables the student to acquire skill and understanding in the following topics: geometry, precision measurement, finances in home, business and vehicle situations, probability, statistics, and career life.

### Applied Mathematics 40

Students will develop mathematical concepts using data and problem solving. The course emphasizes effective communication skills and the use of technology. This course builds on most topics covered in Applied 30S. Topics include logic, probability, design and measurement, relations and functions and finances.

Offered in the 2025-2026 and 2027-2028 school years.

### Pre-Calculus Mathematics

This is a theoretical course designed for students interested in postsecondary math or science studies. Pre-Calculus Mathematics 40S is strenuous course that requires student commitment to homework and studying.

Offered in the 2025-2026 and 2027-2028 school years.

### Physical Education & Health

This compulsory full-credit course is designed to help students take greater ownership of their physical fitness. A goal of this program will be for students to seek out activities that interest and

engage students to live an active lifestyle in the future. The grade 12 physical education course is taught following a 75% in and 25% out model, which consists of creating and following a fitness plan where there is logging of activity hours outside of in-class hours.

## **Optional Courses**

### **Chemistry 40**

Chemistry 40S is designed to give students a firm grounding in chemistry concepts and processes. This will be achieved by students understanding and applying chemistry from three perspectives: conceptual understanding (connecting what we see to what is going on at a molecular level), scientific inquiry (actively engaging in demonstrations and labs with a sense of curiosity), and problem solving (using formulas to predict outcomes). The course is often a requested prerequisite for many post-secondary courses with such career paths as health care and engineering. Topics covered are electronic structure, reaction rates, chemical equilibrium, acids and bases, and electro-chemistry.

Offered every year.

### **Physics 40**

Physics 40S continues the study started in the 30S and provides students with a thorough preparation for study in a variety of disciplines at the post-secondary level. The topics addressed in the course are projectile motion, circular motion, static equilibrium, magnetism, electromagnetic induction and conservation of momentum and impulse. The topics serve as the fundamentals for a wide variety of related areas of study - chemistry, electrical and electronics, optics, medicine, and physiotherapy, engineering, and many others. Several different types of experiments will be conducted related to the topics addressed in the course.

Offered every second school year.

### **Biology 40**

Rapid scientific growth, major advances in biotechnology (e.g. stem cells, gene therapy) and the need to maintain a sustainable environment, economy and global society drives the need for scientific literacy. Scientific literacy is an active, evolving process where exploring attitudes, acquiring skills and knowledge allows students to develop inquiry, problem solving and decision-making abilities to make informed ethical choices to improve the quality of their own lives and the lives of others. The goal is to maintain a sense of wonder about our grand and dynamic world. The following topics will be covered: DNA and its role in Heredity and Biotechnology, Evolutionary Theory, and the Organization, Classification and Conservation of Biodiversity.

Offered every second school year.

### **Global Issues 40**

The purpose of this course is to examine and analyze some of the major issues confronting our world. It is a conceptual course which scans a wide spectrum of historical and present-day global problems such as: terrorism/conflict, disease, population, the environment, etc. As well students will have the opportunity to pursue topics that relate to their own personal interests. Discussion and problem solving will play a significant role in this course. Upon completion of this course students will have developed a greater understanding of their world.

Offered in the 2024-2025 and 2026-2027 school years.



## **Sustainable Tourism 40**

The curriculum focuses on tourism that is sustainable and minimizes negative impacts on the environment and people, while maximizing benefits. Sustainable tourism includes, for example, ecotourism, heritage or cultural tourism, study tourism, and volunteer tourism.

Offered in the 2025-2026 and 2027-2028 school years.

## **Art 40**

In this course, students will explore their social viewpoints and represent their beliefs with mixed media and printmaking. There will be sculpture exploration using clay slab techniques as well as mural creation that will help students think about the effective use of a large space. Students will have a chance to practice monotone ink drawings and explore pencil sketching. Also, students will participate in an art show.

## **Metal Working 40**

This course is aimed at those students who want to develop a greater understanding of metal working. Those taking this course can do so for two reasons, the simple enjoyment of creating metal projects, and the pursuit of a career in a metal-related field.

## **Woodworking 40**

Similar to Metal Working, this course is aimed at those students who want to develop a greater understanding of woodworking. Students will work projects of interest to them while developing their skills.

## **French 40**

In this course, students practice the language through studying topics of interest. The goal is a high level of proficiency in the nuances of proper oral and written French. Group discussions will include social issues and world events to help prepare students for university, as well as for future employment and personal enrichment opportunities.

## **Human Ecology 40**

This course will encompass areas of study within family studies, food and nutrition, and textile arts and design. Family studies emphasizes the transition from adolescence to adulthood with the ability to examine and practise skills that help develop healthy interpersonal relationships. Food and nutrition is a critical examination of the individual as a responsible citizen through examining food security and accessibility. Textile arts and design focuses on advanced skill development with textile products. Students will examine accessibility and use of textiles, manufacturing social responsibilities, and global influences on design trends.

## **Family Studies 40**

Grade 12 Family Studies emphasizes the transition from adolescence to adulthood with the ability to examine and practice skills that help develop healthy interpersonal relationships. The skills and knowledge will provide the opportunity for students to make informed and responsible life management choices now and in the future.

Not offered every year.

## **Psychology**

Psychology is designed to give students an introductory overview of the scientific study of human behaviour. The course will cover topics such as the functions of the brain, personality, dreams, sleep, memory, emotions, stress, mental disorders, and much more. Offered through RAEC.

## Other Options

### **Red River Technical Vocational Area**

The Red River Technical Vocational Area is a partnership of five southern Manitoba school divisions devoted to providing technology education options to high school students in the region.

[Home - Red River Technical Vocational Area \(blsd.ca\) https://rrtva.blsd.ca/](https://rrtva.blsd.ca/)

### **High School Apprenticeship**

Working with an HSAP educator, you start by finding an employer who will take you on as an apprentice. You then complete an Apprenticeship Application and Agreement with the employer and Apprenticeship Manitoba. You will get paid for on-the-job training (minimum wage plus minimum 10%), may earn up to eight high school credits (one credit per 110 hours on the job), and can transition to a post-secondary apprenticeship pathway in a registered trade career.

[High School Apprenticeship Program - Red River Technical Vocational Area \(blsd.ca\) https://rrtva.blsd.ca/](https://rrtva.blsd.ca/)

### **Credit for Employment**

CFE allows students to implement career development principles such as essential employability skills into the authentic context of work. Through employment, students will have an opportunity to apply and refine the knowledge and skills acquired in the Career Development Life/Work courses. Furthermore, the CFE will provide students with valuable workplace experience that will contribute to their career-life planning. Requires Life Work Exploration 15.

### **Career Development Internship**

The Career Development Internship (CDI) credit provides students with the opportunity to earn up to 2.0 high school credit(s) for an unpaid internship. The CDI credit option is intended to recognize and encourage the skills development and experience students acquire through internships. Check with the guidance counsellor for more information. Requires Life Work Exploration 15.

### **Regional Alternative Education Center (RAEC)**

The Regional Alternative Education Centre is a registered Adult Learning Centre for Manitoba residents 19 years of age or older as well as an alternative learning center for high school students within Border Land School Division. Students of RAEC must be currently residing in Manitoba.

[Home - Regional Alternative Education Centre \(blsd.ca\) - https://raec.blsd.ca/](https://raec.blsd.ca/)

### **InformNet**

InformNet is an accredited online high school.

InformNet courses provide students with daily instruction, assignments and evaluation through regular email and web-based interaction from a certified high school teacher. The student's day school provides the course credit when subject requirements are met.

InformNet also provides an opportunity for summer school sessions where students may improve their mark.

[InformNet - https://www.informnet.mb.ca/](https://www.informnet.mb.ca/)