



# **STUDENT COURSE GUIDE**

**2026 - 2027**

# GRADUATION REQUIREMENTS

To meet the province's graduation requirements, each student must attain a minimum of 30 credits to receive a Manitoba High School Diploma. Some credits are compulsory; they are designed to ensure a quality education and represent a range of subject areas as chosen by Manitoba Education. The remaining courses may be chosen as electives.

## MANITOBA REQUIREMENTS

These are the courses required by the Province of Manitoba for graduation:

<b>English Language Arts</b>	4 credits	Grade 9, 10, 11, 12
<b>Mathematics</b>	4 credits	Grade 9, 10, 11, 12
<b>Physical Education/Health</b>	4 credits	Grade 9, 10, 11, 12
<b>Science</b>	2 credits	Grade 9, 10
<b>Social Studies</b>	1 credit	Grade 9
<b>Geography</b>	1 credit	Grade 10
<b>History of Canada</b>	1 credit	Grade 11

Students planning to attend university will require a minimum of 6 courses at the Grade 12 level with the total number of credits remaining at 30 or higher.

**Combined Humanities:** Most courses in high school are semesterised. In grades 9, 10, and 11, students may choose to take their mandatory social studies, geography, or history as a combined course with ELA. This course is then taught in both semesters with the same teacher for both credits.

## NHS REQUIREMENTS

These are the courses required by Niverville High School as part of our comprehensive educational program:

<b>Career Development (Life/Work Exploration)</b>	½ credit	Grade 9
<b>Grade 9 "Try-a-Trade"</b>		
Interactive Digital Media	½ credit	Grade 9
Drama	½ credit	Grade 9
Art	½ credit	Grade 9
Motion Picture Arts	½ credit	Grade 9

**Note:** Grade 9 students will choose 3 of these 4 courses.

## SPECIAL GRADUATION RECOGNITION:

**Merit:** A student who successfully completes a minimum of two (2) credits over and above the 30 credit provincial grad requirement will receive Merit recognition.

**Distinction:** A student with an average of 90% or higher in any Grade 12 course will receive Distinction recognition for those specific courses.

# NHS LEARNING CLUSTERS

Students may choose elective courses from the following learning clusters that suit their interest and allow them to tailor their learning to meet their own goals.

## Academic

These courses are designed to provide students with a broad academic base. Many of these courses will provide the knowledge and skills needed to meet the entrance requirements of post-secondary programs. Teaching and learning will emphasize concrete applications of the theoretical material covered in the course and will also emphasize the development of critical-thinking and problem-solving skills. Students have the flexibility to concentrate their studies in both of the following two focus areas.

### Science/Math Focus:

Chemistry	Grade 11 & 12
Biology	Grade 11 & 12
Physics	Grade 11 & 12
Current Topics in Science	Grade 11
Interdisciplinary Topics in Science	Grade 12

### Humanities Focus:

Reading is Thinking	Grade 9 & 10
French	Grade 9 - 12
Sociology	Grade 11
History of Western Civilization	Grade 12
Global Issues	Grade 12
Law	Grade 12
Psychology	Grade 12

## Digital Technology

This cluster focuses on learning to solve problems, accomplishing tasks, and expressing creativity, both individually and collaboratively. Students will learn to use today's technology for tasks at school and in their personal lives. More importantly, students will learn to adapt to change and be able to independently learn and use new technology as it evolves throughout their lives. Each student should be knowledgeable about technology, be able to use technology readily and effortlessly, and be able to make decisions about her or his use of technology.

Information Communication Technology	Grade 9
Motion Picture Arts	Grade 9
Interactive Digital Media	Grade 9 - 12
Digital Pictures	Grade 10
Digital Film Making	Grade 10
Computer Science	Grade 10, 11 & 12

## **Applied Commerce Education**

This cluster provides students with opportunities for creating, designing, problem-solving and exploring the various aspects, trends and issues in business.

Business Innovations	Grade 9
Creative Promotions	Grade 10
Retailing Perspectives	Grade 11
Marketing & Digital Commerce	Grade 12

## **Performing & Visual Arts**

This cluster is intended to support, promote and inspire the growth of all students as artistic learners as they journey towards becoming creative, artistically literate adults and citizens.

Band	Grade 9 - 12
Jazz Band	Grade 9 - 12
Choir	Grade 9 - 12
Drama	Grade 9 - 12
Art	Grade 9 - 12
Photography	Grade 10 - 12

# MANDATORY COURSES



## MATHEMATICS

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### **GRADE 9 MATHEMATICS**

Students will learn numeracy skills, become stronger problem solvers, further their mental math skills, and learn to communicate and reason mathematically. Students are expected to work both individually and in small groups on mathematical concepts and skills. Mathematics 10F was developed as a foundational course to prepare students for multiple possible pathways in Grades 10-12. Financial literacy will be integrated into this year-long course.

### **GRADE 10 ESSENTIAL MATHEMATICS**

(Credit value: 1 credit)

This course of study is designed to provide students with the mathematical understandings and critical thinking skills that are foundational and practical for the workforce and everyday life. This course emphasizes topics such as wages and salaries, consumer decisions, and personal finance. Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in a technological society.

### **GRADE 11 ESSENTIAL MATHEMATICS**

This course of study is designed to provide students with the mathematical understandings and critical thinking skills that are foundational and practical for the workforce and everyday life. Grade 11 Essential Mathematics emphasizes financial applications, problem solving, decision making, and spatial sense. Students are expected to work both individually and collaboratively in small groups on mathematical concepts and skills encountered in everyday life in a technological society.

### **GRADE 12 ESSENTIAL MATHEMATICS**

Essential mathematics is designed to provide students with the mathematical understandings and critical thinking skills that are foundational and practical for the workforce and everyday life. The course places emphasis on problem solving, home and vehicle finance, statistics and probability. Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in a technological society.

## **GRADE 10 INTRO TO APPLIED AND PRE-CALCULUS MATHEMATICS**

### ***Recommended 70% minimum in Grade 9 Math***

The course contains a study of abstract mathematics that emphasizes problem solving, mental mathematics, and the use of technology to investigate ideas. Mastery of algebraic operations, an aptitude for problem solving and an ability to effectively communicate logical solutions to a problem both verbal and in written format is required. This mathematics course is intended for students expecting to further their mathematical studies in the future.

## **GRADE 11 APPLIED MATHEMATICS**

### ***Recommended 70% minimum in Grade 10 Intro to Applied and Pre-Calculus Mathematics***

This course is intended for students considering post-secondary studies that require knowledge of problem solving skills using mathematics and technology. It promotes the learning of numerical and geometric problem solving techniques as they relate to the world around us. The primary goals of Applied Mathematics are to develop critical-thinking skills through problem solving and modeling real-world situations to make predictions.

## **GRADE 12 APPLIED MATHEMATICS**

### ***Recommended 70% minimum in either Grade 11 Applied Math or Pre-Calculus Mathematics***

This course is intended for students considering post-secondary studies that require knowledge of problem solving skills using mathematics and technology. It is context driven and promotes the learning of numerical and geometric problem solving techniques as they relate to the world around us. The emphasis is on exploring ideas, alternative solutions to a given problem, inferences, and the testing of hypotheses.

## **GRADE 11 PRE-CALCULUS MATHEMATICS**

### ***Recommended 70% minimum in Grade 10 Intro to Applied and Pre-Calculus Mathematics***

Pre-Calculus Mathematics is designed for students who intend to study calculus and related mathematics as part of their post-secondary education. This course is a study of abstract mathematics with an emphasis on problem solving and mental mathematics. Students are expected to work both individually and collaboratively in small groups, and will be challenged in the areas of algebraic operations, problem solving and communication of the logical steps required to arrive at a solution.

## **GRADE 12 PRE-CALCULUS MATHEMATICS**

### ***Recommended 70% minimum in Grade 11 Pre-Calculus Mathematics***

Pre-Calculus Mathematics 40S is designed for students who intend to study calculus and related mathematics as part of their post-secondary education. This course is a study of abstract mathematics with an emphasis on problem solving and mental mathematics. Students are expected to work both individually and collaboratively in small groups and will be challenged in the areas of algebraic operations, problem solving and communication of the logical steps required to arrive at a solution.

# **SCIENCE**

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## **GRADE 9 SCIENCE**

Grade 9 Science is an introduction to fundamental scientific concepts of our world that will encourage students to develop a critical sense of wonder and curiosity about scientific and technological endeavours. Students will examine topics related to electricity, genetics, evolution, and atomic theory.

## **GRADE 10 SCIENCE**

This course continues to build students' understanding of fundamental science concepts. Students will become increasingly engaged in the planning, development and assessment of their own learning experiences. They will have the opportunity to work collaboratively with other students, to initiate investigations, to communicate their findings, while engaging in authentic projects. Students will examine topics related to matter, force, Earth science, space science, life systems, and evolution.

# **ENGLISH LANGUAGE ARTS**

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English Language Arts (ELA) enables learners to increase the complexity and sophistication in the ways they make sense of language, understand language as a system, and use language to explore and design, while being aware of the potential to gain power and agency in the realm of literacy. Through comprehending, communicating, and critically thinking within rich learning experiences, learners develop and deepen competency in using language to meet personal and academic goals.

The goals of the 9-12 English Language Arts curriculum are to give students opportunities to:

- develop flexible and versatile ways of thinking and using language to meet personal, social, and academic needs
- build a sense of self, identity, community, and the world
- sustain a lifelong sense of curiosity, a passion for learning, and an appreciation of the power and beauty of literature, language, and multiple forms of text

## **GRADE 9 ENGLISH LANGUAGE ARTS (ELA)**

In conjunction with the overarching goals stated above, this course develops the capacity and capability of students to navigate multiple uses of language and literacies and a wide range of texts and contexts.

## **GRADE 10 ENGLISH LANGUAGE ARTS (ELA)**

In conjunction with the overarching goals stated above, this course develops the capacity and capability of students to navigate multiple uses of language and literacies and a wide range of texts and contexts.

## **GRADE 11 ENGLISH LANGUAGE ARTS - COMPREHENSIVE FOCUS**

The curriculum requires a balance of 50% literary content and 50% transactional content, and offers a wide spectrum of language experiences ranging from print and representational media to literary classics. The learning experiences will center around reading, writing, listening, speaking, thinking and representation.

## **GRADE 12 ENGLISH LANGUAGE ARTS - TRANSACTIONAL FOCUS**

English Transactional Focus emphasizes the pragmatic uses of language: language that informs, directs, persuades, plans, analyzes, argues, and explains. Students engage with and compose texts primarily for transactional purposes: to gain information or understand another point of view, to compare and weigh ideas, and to conduct daily transactions. The Transactional Focus course addresses a variety of informal and formal discourse, ranging from notes, oral discussions and reports, feature articles, and formal presentations.

## **GRADE 12 ENGLISH LANGUAGE ARTS - COMPREHENSIVE FOCUS**

This course offers a combination of literary and transactional content. The course offers a wide spectrum of language experiences ranging from print and representational media to literary classics. The learning experiences will center on reading, writing, listening, speaking, thinking and representation.

## **GRADE 12 ENGLISH LANGUAGE ARTS - LITERARY FOCUS**

ELA Literary Focus emphasizes the aesthetic uses of language: language that enlightens, fosters understanding and empathy, reflects culture, expresses feelings and experience, and brings enjoyment. Students will examine texts and deepen their appreciation of language as they explore the aesthetic properties of language to convey experience, ideas, and perspectives. This course is intended to be rigorous and academically challenging as it focuses on developing specific skills required for university bound students.

# **SOCIAL STUDIES**

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## **GRADE 9 CANADA IN THE CONTEMPORARY WORLD**

This course provides students with an opportunity to examine their own society and to define their place as a citizen of our country and of the world. This course will enhance their ability to become informed, active and responsible citizens, and develop the core concept of active democratic citizenship through study of Canada's history and geography. The four foundational skill areas of literacy and communication, problem solving, human relations, and technology are developed throughout the course.

## **GRADE 10 GEOGRAPHIC ISSUES OF THE 21ST CENTURY**

This geography course focuses on a variety of issues and challenges in the contemporary world. Students will explore the nature of geography and develop skills related to geographical thinking. They will use the methods and tools of geography to examine issues and problems and to propose solutions. They will study concepts related to ownership and development of natural resources, production and distribution of food, development of industry and trade, and increasing urbanization. These issues will be considered in the context of Canada, North America and the World.

## **GRADE 11 HISTORY OF CANADA**

The objective of this course is to study the historical development of Canada from first contact between European and Indigenous peoples to a modern and complex nation. In addition to political and historical developments, the course will study the social and economic consequences arising from these events. Local, national, and international current events are also interwoven into the course.

# PHYSICAL EDUCATION/HEALTH

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## GRADE 9 PHYSICAL EDUCATION/HEALTH

This Physical Education course consists of a variety of sports, games, and activities in which skill acquisition is emphasized along with the physical health benefits of physical activity in the pursuit of the development of healthy lifelong habits.



## GRADE 10 PHYSICAL EDUCATION/HEALTH

The course's primary focus is an introduction to a variety of lifetime physical activities and skills, as well as fitness concepts obtained through theory and practical application. The intent is for the student to be able to devise their own fitness program following sound fitness and physiological principles. Students will receive CPR training.

## GRADE 11 & 12 PHYSICAL EDUCATION/HEALTH

This course is designed to help students take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and to facilitate students to engage in healthy lifestyles. The focus is on fitness management, mental health, substance use, and the social impact of sport on society. Students will be required to develop a personal physical activity plan as part of their course requirements. The course uses a 50/50 model, meaning that students will complete half of their required physical activity hours in class and the remaining hours by physical and volunteer activities outside of class.

*As per provincial policy, students in these classes will be graded on a **complete or incomplete** basis.*

## GRADE 9 - 12 FEMALE FITNESS

This course is an option for female students to complete their phys ed credit. Students will participate in a range of fitness activities. Note: This section of Phys Ed runs everyday for 1 semester.

# ELECTIVE COURSES

## **FRENCH**

The goal of this course is for students to communicate in French about simple daily topics or situations and to begin to develop their conversational French skills. Communication will happen through reading, writing, speaking and listening.

The objective of the Basic French courses is to develop students who will:

- acquire a good foundation in French from which to pursue fluency;
- gain insights into and an appreciation of the francophone culture;
- gain appreciation for French languages, cultures, and communities throughout Canada and around the world

### **GRADE 9 FRENCH**

***Recommended Prerequisite: Grade 8 French***

The goal of this course is for students to communicate in French about simple daily topics or situations and to begin to develop their conversational French skills. Communication will happen through reading, writing, speaking and listening.

### **GRADE 10 FRENCH**

***Recommended Prerequisite: Grade 9 French***

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

### **GRADE 11 FRENCH**

***Recommended Prerequisite: Grade 10 French***

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.

### **GRADE 12 FRENCH**

***Recommended Prerequisite: Grade 11 French***

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.

# **SCIENCE**

## **GRADE 11 BIOLOGY**

This course is an essential component of the study of Life Science. It is an introduction to the study of human biology, with a strong emphasis on the various anatomical and physiological systems of the human body. Students will learn how these systems function and interact to keep us healthy, and what happens when these systems malfunction.

## **GRADE 12 BIOLOGY**

Grade 12 Biology examines two major areas of biology: genetics and biodiversity. Students will learn how life functions at the cellular level and how biologists classify living things. In learning about these topics, students will be introduced to the fundamental processes of all life on Earth and the different forms that life can take.

## **GRADE 11 CHEMISTRY**

Chemistry is the study of the structure and properties of matter. This course provides students with an introduction to the basic language and fundamental skills of chemistry through studies of the properties of different forms of matter and the chemical reactions that result when types of matter interact. In this class students will learn basic laboratory skills with experiments that relate to the topics developed in the classroom.

*A strong mathematical aptitude is required for student success in this course.*

## **GRADE 12 CHEMISTRY**

***Prerequisite: Grade 11 Chemistry (70% or more recommended)***

This course is designed to give students a firm grounding in chemical 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), and problem solving (using mathematics to predict outcomes). Students will learn to apply analysis methods that are foundational throughout all other chemistry related studies. *A strong mathematical aptitude is required for student success in this course.*

## **GRADE 11 PHYSICS**

This course is an overview of the main areas of study in the discipline of physics. Students will learn the basics of describing the movement of physical objects, waves, and electromagnetic phenomena. In doing so, it will provide students with a variety of problem solving techniques, such as graphical analysis, vectors and mathematical reasoning.

*A strong mathematical aptitude is required for student success in this course.*

## **GRADE 12 PHYSICS**

***Prerequisite: Grade 11 Physics (70% or more recommended)***

This course examines a variety of topics involving matter, energy, and their interaction. Students will learn to analyze complex situations involving momentum, energy, and gravity, and to learn to be strong problem solvers using mathematical and logical reasoning through examining these topics. *A strong mathematical aptitude is required for student success in this course.*

## **GRADE 12 EXERCISE SCIENCE & PHYSICAL EDUCATION (2 credits)**

This is a two-credit course that includes a grade 12 general science credit, and also fulfills the Grade 12 PE requirement. In exercise science you can expect to learn a lot about training, moving, and maintaining your body. Students will have some input regarding topics of emphasis as we explore various aspects involving physical activity and training. Topics include: scientific principles of fitness and conditioning, new methods of training, prevention and care of injuries, sport psychology, technology in sport, biomechanics, sports nutrition, and more. This course is paired with your grade 12 physical education and health credit so it will run all year for 2 credits. Anyone interested in the study of the human body's adaptation to various kinds of physical training or careers in personal training, fitness, athletic therapy, physiotherapy, etc would benefit from taking this course.

## **GRADE 11 TOPICS IN SCIENCE**

Topics in Science is a general science course that will follow the interests of the students. The course will include an element of student inquiry, with students investigating scientific issues, both individually and in groups. Through examining scientific topics, students will learn about how science and technology relate as well as the impact of scientific discovery on our world.

## **GRADE 12 INTERDISCIPLINARY TOPICS IN SCIENCE**

Interdisciplinary Topics in Science is a general science course which explores the ties between science, technology, society, and the environment. This course will include a strong emphasis on study choice in the area of study. Through examining scientific topics, students will learn about how science and technology relate and the impact of scientific discovery on our world.

# **HUMANITIES**

## **GRADE 9 FAMILY STUDIES**

This course explores issues and experiences related to daily life in families. Students will learn to examine themselves and their family, explore the transition of teenagers into adulthood, gain the ability to make wise decisions throughout life, recognize the societal factors that affect those decisions, and appreciate the variety and diversity of families today.

## **GRADE 9 READING IS THINKING**

Reading is Thinking is designed to improve the literacy skills of students so they can be successful in their learning across a variety of content areas and in their life. Students will learn, practice, and internalize strategies that are essential life-long learning skills for proficiency in reading, writing, understanding, and interpreting content specific materials. The strategies learned will be applicable in the content areas of English, Mathematics, Science, and Social Studies. Students will also be encouraged to begin or to continue reading for enjoyment.

## **GRADE 10 READING IS THINKING**

This course builds on the Grade 9 course and focuses on increasing each student's literacy development. A literate person needs to have a wide range of literacies, so this course will focus on literacy in content areas such as Social Studies, Science, Mathematics and English. Students will think and talk about their thinking process as they read, and practice a variety of reading strategies.

## **GRADE 11 SOCIOLOGY**

Sociology is the study of social life, social change, and the social causes and consequences of human behavior. Students will investigate and seek to understand the structure of groups, organizations, and societies and how people interact within these contexts. A study of Sociology will allow students to be sensitive to opinions of others, develop confidence in expressing informed opinions, develop an appreciation for various perspectives, show a willingness to take a position on an issue and defend it, and learn to reserve judgment until a variety of information is gathered.

## **GRADE 12 PSYCHOLOGY**

Psychology is the scientific study of behaviour and mental processes. Studying psychology gives students life-long skills such as dealing with issues proactively, solving problems, learning, and nurturing healthy relationships. This course exposes students to the major topics found in the field of psychology and emphasizes the issues that are of particular direct interest and relevance to students.

## **GRADE 12 GLOBAL ISSUES: CITIZENSHIP AND SUSTAINABILITY**

Global Issues is a rigorous, inquiry-based course that explores past and current global challenges through the lenses of ecological literacy, sustainability, and active citizenship. Students will critically analyze current events, engage in discussions and debates, and examine the impacts and potential outcomes of global issues from multiple perspectives. A key component of the course is the Take Action Project, where students design and implement a plan to create meaningful change.

## **GRADE 12 HISTORY OF WESTERN CIVILIZATION**

From ancient pharaohs to the Greeks, Romans, Napoleon, the French Revolution, the Renaissance, Medieval Times and World Wars, students will learn how all these historical events shaped our world and impacted Western civilization. The history course is the study of ancient civilizations through to the present day and their impact upon the development of Western civilization. It deals extensively with social organization, warfare, world religions and the development of political ideals.

## **GRADE 12 CANADIAN LAW**

The purpose of this course is to help students gain an understanding of Canadian law and develop an appreciation for its complex system. This course will cover topics such as: why we need laws, the differences between moral issues and legal issues, as well as criminal, civil, family, and contract law. During this course, students will discuss and analyze legal issues and real cases and have ample opportunities for experiential learning.

# **COMMERCE EDUCATION**

## **GRADE 9 LIFE/WORK EXPLORATION**

**(one of the Try-a-Trade courses)**

This course will help students acquire and apply knowledge and skills to make appropriate decisions for life, work, and the essential post-secondary education/training that is required in today's economy. Its primary goal is to assist students on their path to graduation and ensure a smoother transition to post-secondary education and work.

## **GRADE 9 BUSINESS INNOVATIONS**

This is an introductory course to Commerce Education that allows students an opportunity to explore business-related topics such as economics, marketing, entrepreneurship, technology, and finance. Throughout the course, students will apply the concepts and strategies they learn by developing a creative business plan.



## **GRADE 10 CREATIVE PROMOTIONS**

Creative promotions focuses on advertising strategies, marketing, selling, sales promotions and public relations. Students will apply their learning of these concepts to design a variety of promotional and advertising material. Students will learn what makes an effective advertisement, and use that knowledge to craft their own brands throughout the semester.

## **GRADE 10 PERSONAL FINANCE**

Personal Finance focuses on developing fundamental financial literacy skills, including the value of money, basic economics, budgeting, saving, financial institution services, and investing. This is especially relevant to high school students, since they are entering the workforce and are considering future purchases that require financial planning, such as buying a car, travelling, or pursuing post-secondary education. Financial literacy is a life skill making this course a good option for all students.

## **GRADE 11 RETAILING PERSPECTIVES**

Retailing Perspectives will look at all aspects of the retail experience, including store policies, store image, pricing, inventory, the selling process and store layout. Students will use this information to become more informed consumers by uncovering the “tricks of the trade” such as the psychology of price and how stores can subtly convince consumers to spend more money. Students will use this knowledge to evaluate the local retail environment and see where potential retail opportunities may be available to a savvy entrepreneur.

## **GRADE 12 MARKETING AND DIGITAL COMMERCE**

Marketing and Digital Commerce focuses on modern marketing trends, such as how companies capture customer value, build customer relationships, manage marketing information, develop and manage products & services, as well as how traditional marketing methods have given way to online, social media and mobile methods. Throughout the course students will plan, organize, manage and execute their own marketing plan within the class, school or local community based on need and availability.

# **DIGITAL TECHNOLOGY**

## **GRADE 9 INFORMATION COMMUNICATION TECHNOLOGY (ICT)/KEYBOARDING**

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. Keyboarding is designed to provide an opportunity to learn to type on a Chromebook keyboard using correct techniques as well as the development of speed and accuracy. Students will also develop their familiarity of Google Suite and aim to become proficient using docs, sheets, and slides.



## **GRADE 9 EXPLORATION OF INTERACTIVE DIGITAL MEDIA (½ credit) (one of the Try-a-Trade courses)**

This course is designed for students to explore the basics of interactive digital media (IDM). As our day-to-day digital interactions increase it is important to understand the concepts, ethics, and functionality of the apps, video games, media platforms, and information technology in a deeper way. This exploratory course explores careers and issues in the IDM field as well as introducing students to animation, digital asset design, and coding while making their own video games.

## **GRADE 10 INTRODUCTION TO INTERACTIVE DIGITAL MEDIA**

This program provides students with the opportunity to learn the knowledge, skills and attitudes required to develop and produce interactive digital media projects, such as apps, video games, websites, virtual worlds, and cross-platform media. Students will gain knowledge and skills in digital design, asset creation, coding, and project management. Using a project based approach, they will combine technology and artistic skills to create authentic interactive digital media applications. Students will be exposed to the professional aspects of making a living in interactive digital media, learning all aspects of the profession, including the entrepreneurial skills to pursue self-employment.

## **GRADE 11 INTERACTIVE DIGITAL ASSET CREATION**

Building on the Intro to Interactive Digital Media course, this course focuses on the creation of original assets to support interactive digital media projects by using a variety of software. Examples of assets include vector images, rasterized images, 2-D animations, 3-D models, sound effects, and rigging. Students will use a project-based approach to create concepts, workshop them, create assets, pitch their ideas, and create working prototypes. Students will explore the video game, special effects, virtual reality, and digital tech industry in order to get a better understanding of how it functions in society.

## **GRADE 12 ADVANCED INTERACTIVE DIGITAL ASSET CREATION**

This course builds on the skills and knowledge learned in Grade 11 Interactive Digital Asset Creation. Students will learn skills related to the creation of digital assets for games, websites, and apps using a variety of 2D and 3D software. Project management plays an important role in this course, as students conceptualize, plan, develop, and publish their work. Students will explore animation, sprite design, 3D sculpting, and character rigging as well as code concepts and issues in the Interactive Digital Media field.

## **GRADE 9 MOTION PICTURE ARTS (½ credit)**

**(one of the Try-a-Trade courses)**

Motion Picture Arts explores the basics of developing a short film. Students will learn the skills to tell stories visually through both script and the method of filming. Students will learn to record and edit video, storyboard, and see a film project to completion.

## **GRADE 10 DIGITAL FILM MAKING (½ credit)/BROADCAST MEDIA (½ credit)**

These two courses are taken together to equal ONE full credit. This is a hands-on course in film making. Students will get an in-depth look at the art, language and technical aspects of making film through viewing, discussing and writing about film. Students will then apply the skills they have learned by planning, filming and editing their own short films. Students will develop their creative thinking skills and practice good storytelling. Students who have an interest in film, drama and computer technology may be interested in this course. Students are expected to show their videos to the class.

## **GRADE 10 DIGITAL PICTURES (½ credit)/DESKTOP PUBLISHING (½ credit)**

These two courses are taken together to equal ONE full credit. In Digital Pictures, students develop skills to convey a message through an original digital image using both digital cameras and tablet cameras. In Desktop Publishing, students plan and create a variety of published documents such as posters and infographics. Students plan these publications taking into consideration audience, design principles, text features, and layout techniques that are visually pleasing. They are introduced to the elements of composition within a photograph and plan their photos around these principles.

## **GRADE 11 PHOTOGRAPHY**

Photography introduces students to the continually growing field of digital imaging, with the use of DSLR cameras. Students will learn to use digital photography as a way to think visually; as a way to marry artistry and technology. This course develops skill in camera technique, composition, and in the use of Photoshop editing. The latest in computers, software, digital cameras, as well as a fully functional photography studio provide exceptional opportunities for students to develop a wide range of knowledge and skill.

## **GRADE 12 PHOTOGRAPHY**

This course will focus on specific fields of photography as well as further develop a variety of techniques in photography, including advanced instruction on camera operations, composition, lighting, equipment, and various other techniques. Advanced digital post production processing techniques will also be learned. Students will have a combination of classroom theory, practical

instruction, workshops with guest photographers, as well as both self-directed and class-planned outings.

## **GRADE 10 COMPUTER SCIENCE**

This introductory course in computer programming is intended to interest a broad audience. The emphasis of this course is for students to solve problems, accomplish tasks, and express creativity, both individually and collaboratively. Students will use micro:bit robotics kits to learn programming techniques and the syntax of multiple programming languages, as they are introduced to documentation, algorithms, stepwise thinking, logic, debugging, and basic data/control structures such as variables, loops and conditional statements.

## **GRADE 11 COMPUTER SCIENCE**

### ***Recommended Prerequisite: Grade 10 Computer Science***

This intermediate course in computer programming is intended to build on concepts from Grade 10 Computer Science and focus on text-based coding practices. The emphasis of this course is for students to solve problems, accomplish tasks, and express creativity, both individually and collaboratively. Students will learn programming techniques and the syntax of one or more text-based programming languages, as they are introduced to documentation, algorithms and design, stepwise thinking, logic, debugging, and more advanced data/control structures including formatting numerical and textual input, working with arrays, writing subprograms, and multiple branching control structures.

## **GRADE 12 COMPUTER SCIENCE**

### ***Prerequisite: Grade 11 Computer Science***

This advanced computer programming course reflects the way projects are completed in industry. The course is structured to give students opportunities to write programs and develop project management skills in a team-programming environment. Students will continue to develop the knowledge and skills developed in grade 11 computer science.

## **VISUAL & PERFORMING ARTS**



### **GRADE 9 ART (½ credit)**

#### **(one of the Try-a-Trade courses)**

The goal of the visual arts is to support, nurture, and inspire the growth of every student as an artist. This course introduces students to elements and principles of artistic design in a variety of contexts. Students will be introduced to different elements and principles of artistic design. We receive about 80% of our information visually, which makes it essential that students explore thinking, feelings, and problem solving by discussing and analyzing visual perception.

### **GRADE 10 ART**

Students will develop art creation skills, explore different visual media, research art history, and solve problems of artistic expression while building on their awareness of artistic design. Students are expected to complete all art work assigned if they anticipate taking Grade 11 Art.

## **GRADE 11 ART**

This course is an intermediate course that stresses increased visual and artistic literacy in relation to the elements and principles of design. There is a heavy emphasis on learning the terms and vocabulary associated with a critical viewing of visual information. Related studies in art history and aesthetics will help to develop an understanding of the artistic tradition. Students are expected to complete all art work assigned if they anticipate taking grade 12 art.

## **GRADE 12 ART**

The focus of class time will emphasize a studio/class format, where students work primarily on independent and self-initiated art undertakings implementing skills and techniques with different media, using and developing the elements and principles of design, and ultimately creating an entry-level portfolio, which students could submit to college or university. Students are required to attend the Grade 12 Art Show where they will display all of their work.

## **GRADE 9 BAND**

### ***Prerequisite: Grade 8 Band***

The emphasis of this course is to further the understanding of music through performance and study of high-quality music of various styles and genres for winds and percussion, and to develop the practical, theoretical, expressive, and creative musical skills needed to perform music effectively. There will be a number of concerts and festival performances throughout the year, and students will be expected to participate in these and all other scheduled music-related activities.

## **GRADE 10 BAND**

### ***Prerequisite: Grade 9 Band***

This course is a continuation of Grade 9 Band and strives to further the student's exposure to musical experiences. Students will need to draw on the skills of musical independence learned in previous years. There will be a number of concerts and festival performances throughout the year, and students will be expected to participate in these and all other scheduled, music-related activities. This class rehearses with the Grade 11 and 12 bands.

## **GRADE 11 BAND**

### ***Prerequisite: Grade 10 Band***

This course acts as a continuation of previous years and strives to further the student's exposure to musical experiences. The students will need to draw on the skills of musical independence learned in previous years. There will be a number of concerts and festival performances throughout the year, and students will be expected to participate in these and all other scheduled music-related activities. This class rehearses with the Grade 10 and 12 bands.

## **GRADE 12 BAND**

### ***Prerequisite: Grade 11 Band***

Grade 12 Band is a recognized university entrance course. This course strives to draw on the skills of musical independence learned in previous years. There will be a number of concerts and festival performances throughout the year, and students will be expected to participate in these and all other scheduled music-related activities. This class rehearses with the Grade 10 and 11 bands.

## **GRADE 9-12 JAZZ BAND (½ credit available at each grade level)**

This is a half credit course for band students interested in studying jazz music. The bands meet twice a week during lunch and after school throughout the school year. The Jazz band attends the Brandon Jazz Festival every year in March and all band members are expected to attend.

## **GRADE 9-12 CHOIR (½ credit available at each grade level)**

This is a half credit course for students interested in studying jazz/contemporary music and improving their vocal technique. The choir meets twice a week during lunch throughout the school year and once a month after school. The choir performs at events such as school concerts, the Brandon Jazz Festival and local venues throughout the year. All choir members are expected to attend the scheduled performances.

## **GRADE 9 DRAMA (½ credit)**

### **(one of the Try-a-Trade courses)**

Drama introduces students to the art and craft of drama through presentations, acting, writing and producing their own scripts. Students will explore how to take on roles individually and in groups. An emphasis is placed on experimenting with different ideas and techniques of acting.

## **GRADE 10 DRAMA**

This course is an introduction to drama, which focuses on professionalism, dedication, cooperation, as well as foundational drama skills such as improv, physicality, and voice work. Students will learn by doing, so students are required to participate actively in performances, exercises, and projects. Students will have numerous opportunities to perform what they have written and rehearsed in front of an audience during the semester, both individually (monologues) and in groups.

## **GRADE 11 DRAMA**

This course is a continuation of Grade 10 Drama in that skill development in professionalism, dedication, cooperation and drama foundations will be further explored. Emphasis will be placed upon performance opportunities such as monologues, scenes, and short plays. New theatre topics will be introduced including form and interpretation. Student scene and review writing will continue to be explored and developed.

## **GRADE 12 DRAMA**

In this advanced course, students will continue developing drama skills. New theatre topics will be introduced such as genre, scene study, and directing. Students will choose and direct their own scenes.

## **SPECIALIZED CREDITS**

### **SPECIAL CREDIT FOR LANGUAGES**

Manitoba high school students proficient in languages other than English or French are able to challenge for credit by successfully completing special language examinations. Examinations for special language credits are developed and prepared by qualified examiners. Up to four credits (Grades 9-12) for each language may be granted by the school. The exam is offered once a year in Winnipeg and a fee is required to take the exam.

*Please contact the school counsellor for more information.*

### **HIGH SCHOOL APPRENTICESHIP PROGRAM**

The HSAP lets you start your apprenticeship training while you are still in high school. It combines regular high school instruction with paid, part-time, on-the-job training.

- Earn up to 8 supplemental academic credits for graduation based on 110 working hours per credit (\*up to 6 credits for Mature Diploma students).
- Two apprenticeship credits can be used for university in most cases.
- Get paid a wage that's more than minimum average.
- Apply your on-the-job training hours to continued, full-time apprenticeship training after graduation.
- Use the skills you learn for a career in management or to start your own business. *Please see the school counsellor if more information is desired.*

### **CREDIT FOR EMPLOYMENT (CFE)**

Students can earn up to two credits (Grade 11 & 12) for working 110 hours per credit at a paying job. Registration forms must be filled out before the work hours can begin accumulating and the student must hold, or be working on, a Life/Works credit. *Please see the school counsellor for more details.*

### **COMMUNITY SERVICE STUDENT-INITIATED PROJECT**

Students can receive a school credit by volunteering 110 hours for worthwhile causes or organizations. The civics skills, knowledge, and attitudes obtained from such community service activity can increase a student's self-esteem and maturity, and provide more awareness of the needs of others in the community. Approval must be obtained from the school in advance of attempting the credit. *The guidelines for this particular credit are available from your school counsellor.*