niverville HIGH SCHOOL

STUDENT COURSE GUIDE

2020 - 2021

GRADUATION REQUIREMENTS

Niverville High School offers an academic program that will prepare students to enter post-secondary institutions such as university or college or to move into the workforce upon graduation. 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:

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

Note: 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.

NHS REQUIREMENTS

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

Career Development	2 credits	Grade 9, 10, 11, 12 (½ credit at each grade level)

Grade 9 "Try a Trade"

Business Innovations	½ credit	Grade 9
Interactive Digital Media	½ credit	Grade 9
Digital Music Production	½ credit	Grade 9
Drama	½ credit	Grade 9
Art	½ credit	Grade 9

Note: grade 9 students will choose 4 of these 5 courses

NHS LEARNING CLUSTERS

Students may choose elective courses from the following learning clusters.

Academic

This cluster is designed for students wishing for a liberal arts high school education. The main subjects include English, Math, Science, Languages, and Social Sciences. This program prepares a student to enter university, college, or other institutions for advanced education. Students have the flexibility to concentrate their studies in the various clusters.

Science/Math focus:

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

Humanities focus:

Reading is Thinking	Grade 9 & 10
French	Grade 9 - 12
Sociology	Grade 11
History (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.

Exploration of Interactive Digital Media	Grade 9
Information Communication Technology	Grade 9
Intro to Interactive Digital Media	Grade 10
Digital Pictures & Desktop Publishing	Grade 10
Digital Film Making & Broadcast Media	Grade 10
Keyboarding & Print Communications	Grade 10
Computer Science	Grade 10
Web Design & Interactive Websites	Grade 11
Interactive Digital Asset Creation	Grade 11

Business

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
Entrepreneurship	Grade 10
Venture Development	Grade 11
Project Management	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.

Choir	Grade 9 - 12
Band	Grade 9 - 12
Jazz Band	Grade 9 - 12
Drama	Grade 9 - 12
Art	Grade 9 - 12
Photography	Grade 11 & 12

SPECIAL GRADUATION RECOGNITION:

Students who successfully complete a minimum of two (2) credits over and above the 30 credit graduation requirement will receive the Merit recognition. Students who achieve an overall average of 80% or higher during their high school career will receive the Laureate recognition.

PROJECT BASED LEARNING

In Grade 9 and 10 students will learn their ELA, Science, Social Studies and Geography courses through an interdisciplinary approach and engaging in broad overarching real world projects.

Project Based Learning is a dynamic, rigourous, student-centered instructional model in which students gain knowledge and skills by investigating and responding to authentic, relevant, and complex questions, problems or challenges. Students work on a project that engages them in solving a real-world problem or answering a complex question. They demonstrate their knowledge and skills by creating a public product or presentation for a real audience. As a result, students develop deep content knowledge as well as critical thinking, collaboration, creativity, and communication skills. Through PBL, students develop a love of learning as they see purpose in the work they do.

MANITOBA COURSE REQUIREMENTS

MATHEMATICS

MATHEMATICS 10F

This course is intended to prepare students for further mathematics courses when they choose between Essentials Mathematics and Intro to Applied & Pre-Calculus Mathematics in Grade 10. Students will learn numeracy skills; become mathematical 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.

ESSENTIAL MATHEMATICS 20S

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 like 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.

INTRO TO APPLIED AND PRE-CALCULUS MATHEMATICS 20S

Recommended: 70% in Math 10F

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 math course is intended for students expecting to further their mathematical studies in the future.

ESSENTIAL MATHEMATICS 30S

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.

APPLIED MATHEMATICS 30S

Recommended 60% minimum in Intro to Applied and Pre-Calculus Math 20S.

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 geometrical problem solving techniques as they relate to the world around us. Primary goals of Applied Mathematics are to have students develop critical-thinking skills through problem solving and model real-world situations mathematically to make predictions.

PRE-CALCULUS MATHEMATICS 30S

Recommended 70% minimum in Introduction to Applied and Pre-Calculus Math 20S.
Pre-Calculus Mathematics 30S 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. The student is 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.

ESSENTIAL MATHEMATICS 40S

Essential mathematics 40S 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.

This course has a Provincial Standardized Assessment .

APPLIED MATHEMATICS 40S

Recommended 70% minimum in Pre-Calculus Math 30S or Applied 30S.

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 geometrical problem solving techniques as they relate to the world around us. The emphasis is on exploring ideas, alternative solutions to a given problem, probable inferences, and the testing of speculation/hypothesis.

This course has a Provincial Standardized Assessment.

PRE-CALCULUS MATHEMATICS 40S

Recommended mark of 70% or more in Pre-Calculus Mathematics 30S.

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. The student is 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.

This course has a Provincial Standardized Assessment.

SCIENCE

SCIENCE 1OF

This course will be taught as a part of Project Based Learning.

Science 10F is an introduction to fundamental scientific concepts of our world. Students will examine topics related to the nature of matter, electricity production and uses, and how life on Earth procreates. This course also serves as an introduction to the fields of Physics, Biology and Chemistry.

SCIENCE 20F

This course will be taught as a part of Project Based Learning.

Science 20F continues to build students' understanding of fundamental science concepts. Students examine topics related to how different elements and compounds interact, how to describe and predict motion, and an introduction to ecology and our effect on the natural world. This course also serves as an introduction to the fields of Physics, Biology and Chemistry.

ENGLISH LANGUAGE ARTS

English language arts enables learners to increase the complexity and sophistication in the ways that they make sense of language, understand language as a system, and use language to explore and design, while being aware of the power of language and their and others' agency. Through comprehending, communicating, and critical 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:

- practise within the field of English language arts as full participants
- 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

ENGLISH LANGUAGE ARTS 10F

This course will be taught as a part of Project Based Learning.

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.

ENGLISH LANGUAGE ARTS 20F

This course will be taught as a part of Project Based Learning.

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.

ENGLISH COMPREHENSIVE FOCUS 30S

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.

ENGLISH TRANSACTIONAL FOCUS 40S

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 discern another point of view, to compare and weigh ideas, and to conduct daily transactions. The Transactional Focus addresses a variety of informal and formal discourse, ranging from notes, oral discussions and reports, feature articles, and formal presentations.

This course has a Provincial Standardized Assessment.

ENGLISH COMPREHENSIVE FOCUS 40S

The curriculum offers a balance of 50% literary content and 50% 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.

This course has a Provincial Standardized Assessment.

SOCIAL STUDIES

CANADA IN THE CONTEMPORARY WORLD 10F

This course will be taught as a part of Project Based Learning.

This grade 10 Social Studies 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.

GEOGRAPHIC ISSUES OF THE 21ST CENTURY 20F

This course will be taught as a part of Project Based Learning.

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.

HISTORY OF CANADA 30F

The objective of this course is to study the historical development of Canada from a colony to an independent nation. In addition to political developments, the course will deal extensively with social and economic issues. Local, national, and international current events are also interwoven into the course.

PHYSICAL EDUCATION

PHYSICAL EDUCATION 10F

The 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. Students will develop and follow a personal fitness plan.

PHYSICAL EDUCATION 20F

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.

PHYSICAL EDUCATION 30F

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 physical component of the course will require students to spend 55 hours involved in a variety of physical activities at the moderate to vigorous intensity level.

Students will be graded on a ***complete or incomplete*** basis.

PHYSICAL EDUCATION 40F

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 active lifestyles. The course will focus on fitness management, nutrition, personal and social development and healthy relationships. Students will be required to submit a personal physical activity plan for 55 hours of activity as part of their course requirements.
Students will be graded on a ***complete or incomplete*** basis.

Elective Courses

FRENCH

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

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

FRENCH 10F

Grade 8 French is a prerequisite

The aim of this program is to have students communicate in French about simple daily topics or situations. This communication takes place through reading, writing, speaking and listening.

FRENCH 20F

Grade 9 French is a prerequisite

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.

FRENCH 30S

Grade 10 French is a prerequisite

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.

FRENCH 40S

Grade 11 French is a prerequisite

In this course, the student practices the language through studying topics of interest to students. 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.

MATH/SCIENCE

TRANSITIONAL MATHEMATICS 15F (I/II)

This course is intended for students who have previously struggled in math as it will help fill gaps in foundational math knowledge that are needed for success in Mathematics 10F. Transitional Mathematics helps students develop their number sense, their confidence, and their ability to communicate and reason mathematically.

NOTE: This course is recommended for students who have 60% or less in grade 8 math.

CURRENT TOPICS IN SCIENCE 30S

Topics in Science is a general interest science course that has an emphasis on hands-on science and will follow the interests of the students. This 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 and the impact of scientific discovery on our world.

BIOLOGY 30S

This course is an essential component of the study of Life Science. It is an introduction to the study of human biology particularly, with 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.

CHEMISTRY 30S

Recommended mark of 70% or more in Science 20F

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 reasonably strong mathematical aptitude is required.*

PHYSICS 30S

Recommended mark of 70% or more in Science 20F

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.

INTERDISCIPLINARY TOPICS IN SCIENCE 40S

Interdisciplinary Topics in Science is a general science course which explores the ties between science, technology, society, and the environment. This course will be hands-on and 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.

BIOLOGY 40S

Biology 40S 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 these topics, students will be introduced to the fundamental processes of all life on Earth and the different forms that life can take.

CHEMISTRY 40S

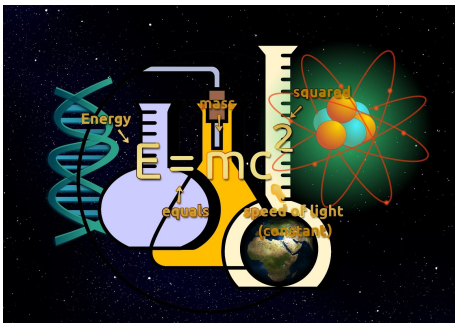
Chemistry 30S is a prerequisite (70% or more recommended)

This course 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), 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.*

PHYSICS 40S

Physics 30S is a prerequisite (70% or more recommended)

Physics 40S 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.*



HUMANITIES

READING IS THINKING 10S

Students will develop self-awareness regarding their strengths and challenges in literacy. They 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.

READING IS THINKING 20S

Reading is Thinking is a course that 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, Math and English. Students will think and talk about their thinking process as they read, and practice good reading strategies.

SOCIOLOGY 31G

Sociology studies the patterns of behavior of particular people in society and in different cultures. Students will explore various aspects of Canadian society to see how different groups of people function based on a variety of environmental factors. An in-depth study of sociology will allow students to: be sensitive to the opinions of others, develop confidence in expressing opinions, develop an appreciation of various perspectives, show a willingness to take a position on an issue and defend it, and learn to reserve judgment until all information is collected.

PSYCHOLOGY 40S

Psychology is the scientific study of behaviour and mental processes. Studying psychology gives students lifelong 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.

GLOBAL ISSUES: CITIZENSHIP AND SUSTAINABILITY 40S

This course provides a lens of ecological literacy through which students can study and understand the complex and often critical global issues that societies face today. The course uses an inquiry approach to explore selected social, economic, political and environmental issues that impact life in the local, national and global communities. Students will explore and learn about the various injustices of the world and stimulate conversations and about possible solutions.

HISTORY OF WESTERN CIVILIZATION 40S

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.

CANADIAN LAW 40S

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, 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 such as a mock trial and a field trip to the Winnipeg Law Courts.

BUSINESS

BUSINESS INNOVATIONS 10S

(one of the Try a Trade courses)

Business Innovations is an introductory course that allows students to sample the various strands within the applied commerce education program. Throughout the course, students will apply the concepts and strategies they learn to a variety of creative business projects or simulations. It is the introduction to all of the other courses offered in the applied commerce education subject area.

ENTREPRENEURSHIP 20S

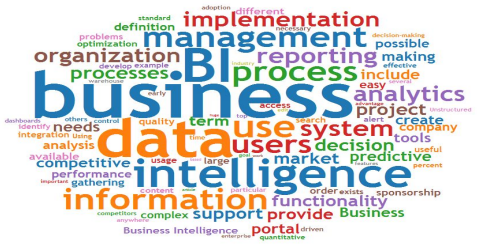
Entrepreneurship focuses heavily on the retailing end of business. Students will begin to learn what it takes to successfully run a retailing store by looking at target markets, layout and design, and how to sell to a customer. This course is relevant to high school students since many are already involved in their communities, and are starting to recognize various needs and opportunities in their areas. They will explore the process of planning, marketing, and implementing a business venture.

VENTURE DEVELOPMENT 30S

Venture Development builds upon the concepts and ideas studied in Entrepreneurship 20S. Students focus on planning, creating, implementing, evaluating, and growing their own business venture. Venture Development is designed for students interested in starting their own business and in furthering their knowledge of business ownership and management principles.

BUSINESS MANAGEMENT 40S

In Business Management, students will work on a semester long project. They will learn techniques to plan, organize, manage and execute this project by working with other students and local businesses. They will use techniques they have accumulated over grade 9, 10, 11, and 12 in their academic classes, technology and business classes to create something novel for their business partner. All the while, students will be continuing to develop their critical thinking, collaboration and creative skills in a real world environment.



DIGITAL TECHNOLOGY

INFORMATION TECHNOLOGY 15F

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.

DIGITAL MUSIC PRODUCTION 10S

(one of the Try a Trade courses)

Digital Music Production explores the creation of music through GarageBand. In this intro course, you will begin to learn what it takes to make a song, including learning about chords, chord progressions, song structure, midi, recording vocals & guitar and more.

EXPLORATION OF INTERACTIVE DIGITAL MEDIA 15S

(one of the Try a Trade courses)

This course is designed for students to explore interactive digital media. 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 introduces students to animation, digital asset design, and coding while making their own video games.

INTRODUCTION TO INTERACTIVE DIGITAL MEDIA 20S

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.

KEYBOARDING 25S/ PRINT COMMUNICATIONS 25S

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.

DIGITAL PICTURES 25S/DESKTOP PUBLISHING 35S

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 digital cameras. In Desktop Publishing, students plan and create a variety of published documents such as posters and infographics. Students plan such 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.

DIGITAL FILM-MAKING 25S/BROADCAST MEDIA 35S

These two courses are taken together to equal ONE full credit. This is a hands-on course in filmmaking. 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.

COMPUTER SCIENCE 20S

This introductory course in computer programming is of interest to a broad audience. The emphasis in computer science courses is on students learning to solve problems, accomplish tasks, and express creativity, both individually and collaboratively. Students will learn programming techniques and the syntax of one or more programming languages. In Computer Science 20S we focus on an introduction to documentation, algorithms, stepwise thinking, logic, debugging, and data/control structures.

WEB DESIGN 35S/INTERACTIVE WEBSITES 35S

In this course students will critically assess content and design by critiquing websites. Web Design will provide opportunities for students to create and manage a website, while developing critical thinking, communication and technical skills. Students will learn how to use both HTML editors and graphical editors to create websites.

INTERACTIVE DIGITAL ASSET CREATION 30S

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.

PHOTOGRAPHY 30S

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, high end scanners, as well as a fully functional studio provide exceptional opportunities for students to develop a wide range of knowledge and skill.

PHOTOGRAPHY 40S

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 taught. Students will have a combination of classroom theory, practical instruction, workshops with guest photographers, as well as both self-directed and class-planned outings.

VISUAL ARTS

ART 15S

(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. *Students will be required to purchase an Art package at the cost of $30.*

ART 20S

Prerequisite: Art 15S

Students will develop drawing skills, explore different visual media, research art history, and solve problems of artistic expression while building on their awareness of artistic design. Through a portfolio the student must demonstrate a same high level of work and skill.

Students will be required to either purchase an Art package at the cost of $30 or replenish their existing Art supplies from the previous year.

ART 30S

Prerequisite: Art 20S

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 will be required to either purchase an Art package at the cost of $30.00 or replenish their existing art supplies from the previous year.*

ART 40S

Prerequisite: Art 30S

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 will engage in advanced visual problem-solving dealing with abstraction and impressionism. In addition, students will explore historical art movements and will engage their knowledge of design from previous years through critical analysis.

Students will be required to either purchase an Art package at the cost of $30.00 or replenish their existing art supplies from the previous year.

MUSIC/DRAMA

BAND 10S

Prerequisite: Band 8

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.

BAND 20S

Prerequisite: Band 10G

This course acts as a continuation of Band 10G 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 ensemble rehearses within the regular timetable.

BAND 30S

Prerequisite: Band 20F

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 ensemble rehearses with Band 40S.

BAND 40S

Prerequisite: Band 10F

Band 40S is a recognized university entrance course.

This course acts as a continuation of previous years and 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 ensemble rehearses with Band 30S.

JAZZ BAND 15S/25S/35S/45S

This is a half credit course for band students interested in studying jazz music. The bands meet twice a week outside of the time table at 8:00 am. The Senior Jazz band attends the Brandon Jazz Festival every year in March and all band members are expected to attend. In order to participate in the Senior and Junior Jazz band you must be registered for Band in your respective grade.

CHOIR 10S/20S/30S/40S

This course involves singing choral music in many different styles. Most of our time will be spent on learning and singing musical pieces with a focus on technique and performance. Interest in singing is of prime importance. Participation and individual musical growth are emphasized.

DRAMA 10S

(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, and learning how to take on roles individually and in groups. An emphasis is placed on experimenting with different ideas and techniques.

DRAMA 20S
This course is an introduction to drama, which focuses on professionalism, dedication, cooperation, as well as foundational drama skills: improv, physicality, and voice work. Students will learn by doing, so students are required to participate actively in performance logs, 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. Students will be required to read and write in this course.

DRAMA 30S
This course is a continuation of Dramatic Arts 20S in that skill development in professionalism, dedication, cooperation and drama foundations will be further explored. Emphasis will be placed upon performance opportunities: monologues, scenes, and short plays. New theatre topics will be introduced: forum and interpretation. Student scene and review writing will continue to be explored and developed. Students will be required to read and write in this course.

DRAMA 40S
In this advanced course, students will continue developing drama skills. New theatre topics will be introduced: genre, scene study, and directing. Students will choose and direct their own scenes.

SPECIALIZED CREDITS

SPECIAL CREDIT FOR LANGUAGES
Manitoba high school students may claim special credit for languages not included in the regular high school program. Up to four credits (Grades 9-12) for each language may be granted by the school. In the case of a language not taught in any kind of school setting, certification of competence may be accepted from qualified persons, subject to Departmental approval. **This involves an exam which takes place twice a year in Winnipeg.** *Please see the Guidance Counsellor if more information is desired.*

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 Guidance Counsellor if more information is desired.*

COMMUNITY SERVICE CREDIT

Students can make a contribution 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.

One credit in high school (grade level is assigned to the Grade during which the credit is earned) is available to a student who participates in such activity in the senior years for graduation purposes and does not require departmental registration. Approval must be obtained from the school in advance of attempting the credit. *The guidelines for this particular credit (SIP) will be available from your Guidance Counsellor or school administrator.*

CREDIT FOR EMPLOYMENT 30S & 40S

Students can earn up to two credits (Grade 11 & 12) for working 110 hours per credit at a paying job. Forms must be filled out before the work hours begin and the student must hold, or be working on, a Lifeworks Credit. *Please see the Guidance Counsellor for more details.*