



**VIRTUAL SCHOOL GRADE 9-12**  
REGISTRATION AND COURSE HANDBOOK  
2021-22

WINNIPEG SCHOOL DIVISION

# REGISTRATION & COURSE SELECTION PROCEDURES

## APPLICATION PROCEDURES

### ELIGIBILITY FOR VIRTUAL SCHOOL

The eligibility criteria to register for Virtual School is as follows:

- Students from K-12 who have submitted medical notes as they or a member of their household is immunocompromised.
- Students where significant additional supports are necessary for success may not be eligible for the Virtual School and will be supported by the student's home school.
- Resident of Winnipeg School Division

For new students that have not been previously registered at the Virtual School contact the school at 204-789-2690 or [virtualschool@wsd1.org](mailto:virtualschool@wsd1.org)

### PRE-REGISTRATION FOR 2021-22

Students that meet the eligibility requirement for Virtual School will be emailed a link to complete a pre-registration form which includes contact information and course selection.

## TIMETABLES

Individual timetables for courses will be e-mailed to all pre-registered students and parents/guardians prior to school opening in the fall. It is advisable that you review your timetable prior to opening day because classes start immediately.

At the same time you receive your timetable, arrangements may be made for changes if successful summer course results or unsuccessful credit achievement has changed your course choice selections.

### TIMETABLE CHANGES

Changes are made during the last week of summer break, prior to the beginning of classes. A notice will be sent out with appointment booking information.

## COURSE STRUCTURE (SYNCHRONOUS VS. ASYNCHRONOUS)

Courses at the Virtual School will be offered in two ways. Synchronous and asynchronous, an explanation of each type of delivery is available below. Which courses will be delivered in which way will be decided by enrollment.

### SYNCHRONOUS COURSES

**Synchronous learning is online and occurs in real time.**

- Students are required to login to and meet teachers online daily at a scheduled time through video conferencing.
- Teachers will take attendance daily.
- This type of learning supports students by being involved in an active discussion, immediate feedback, personal interactions with peers and teachers.

### ATTENDANCE POLICY FOR SYNCHRONOUS COURSES

Regular attendance is important for success in school; it is also a desirable quality sought after by prospective employers. Parents or Guardians may contact the school or their child's teachers at any time to check on their child's attendance. Communication and co-operation with our families is important to the success of our students.

The attendance policy is implemented as follows:

- **Daily absences** – automated system will contact parents through phone/email notifying them of the absences
- **5 absences/course** - the teacher will contact the Parent/Guardian by telephone and inform them of the situation
- **10 absences/course** – the student will be placed on attendance notification and a letter will be sent informing the parent/guardian.
- **16 absences/course** = letter is sent indicating that the student **will not be receiving credit** for courses in which he/she has 16 absences. The student/parent may then contact the principal directly should there be exceptional circumstances which would allow the decision to be reconsidered.

### ASYNCHRONOUS COURSES

**Asynchronous learning occurs on the student's schedule.**

- While your course of study, instructor, or program will provide materials for reading, lectures for viewing, assignments for completing.
- Common methods of asynchronous online learning include self-guided lesson modules, pre-recorded video content, virtual libraries, lecture notes, and online discussion boards or social media platforms.

### ASYNCHRONOUS COURSES EXPECTATIONS

In an asynchronous course, you can access and satisfy these requirements on your own schedule, so long as you meet the expected deadlines. Activity in the course will be monitored by the teacher. There will be deadlines for completed work and a mid-semester report card will be provided for the course.

### THE SEMESTER SYSTEM

The Virtual School year is divided into two five (5) month semesters: Semester I (September to January) and Semester II (February to June). Students may take up to five credits each semester.

## CONSIDERATIONS FOR SELECTING COURSES

### STUDENTS

- Select courses based on graduation requirements.
- Try to choose courses that suit your special interests, abilities, skills and aptitudes.
- Discuss your choices with your parents, your teachers and/or your counsellors.
- Never plan to take a course just because your friends are taking it. Every person is different. You will be more likely to succeed if you consider your own interest and abilities.
- Courses should be chosen with your career goals in mind. Try to keep as many options as possible open to enable you to be prepared for all future employment and post-secondary opportunities

### HOW PARENTS/GUARDIANS CAN HELP

- Consider your child's achievement levels prior to selecting courses.
- Try to make an honest assessment of your child's interests and abilities.
- Avoid being influenced by your thoughts on what you took or would have liked to take in school. Your child may not have the same interests.
- All the courses offered are equal in importance but different in emphasis. It is unwise to force your child into a course just because you think it has more prestige than another course.
- It is important that you help in the choice of courses that will lead to your child's success and satisfaction.

### USE THE GRADUATION PLANNER

At the end of the course handbook (see below) is a graduation planner that can assist you in selecting courses. The planner allows students to plan based on graduation requirements and interest.

# PROGRAMS & ACADEMICS

## ENGLISH

### PROGRAM OVERVIEW

The Manitoba English Curriculum is designed to develop and improve the academic skills associated in listening, speaking, reading, writing, viewing and representing. The following courses are designed to improve literacy skills not only within the English classroom, but cross-circularly as well. Some terminology you may want to understand before you read on:

- **Literary** is the academic understanding of literature, connected to ideas and themes in both a historical and contemporary context within our society- the *art* of language.
- **Transactional** is the pragmatic role of communication that is applicable to current fiction and nonfiction forms- the *function* of language.

### ENGLISH COURSES

#### ENGLISH 10F | ENGR1F – 1 CREDIT

All grade 9 students are required to take English 10F. In this course, you will have the opportunity to read short stories, poems, non-fiction works and novels. You will also view visual works. Besides reading and viewing the works of others, you will be writing, representing, and speaking about those works and your own creations. In Manitoba, English language arts students read, write, speak, listen, view and represent to explore thoughts, ideas, feelings, and experiences; comprehend and respond personally and critically to oral, print, and other media texts; manage ideas and information; enhance the clarity and artistry of communication; celebrate and build community.

#### ENGLISH 20F | ENGR2F – 1 CREDIT

In this course, you will have the opportunity to read short stories, poems, non-fiction works and novels. You will also listen to audio performances and view visual works. Besides reading and viewing the works of others, you will be writing, representing, and speaking about those works and your own creations. In Manitoba, English language arts students read, write, speak, listen, view and represent to explore thoughts, ideas, feelings, and experiences; comprehend and respond personally and critically to oral, print, and other media texts; manage ideas and information; enhance the clarity and artistry of communication; celebrate and build community.

#### ENGLISH LANGUAGE ARTS: COMPREHENSIVE FOCUS 30S | ENGC3S – 1 CREDIT

This course will assist with the language development of Grade 11 students. The emphasis of this course is 50% pragmatic/practical and 50% aesthetic/reflective. Students explore the use of language for pragmatic purposes: to inform, direct, persuade, plan, analyze, and explain. They also engage with and use language for aesthetic purposes: personally connecting with the text, developing deeper insights, and responding thoughtfully to the ideas and topics presented.

#### ENGLISH LANGUAGE ARTS: COMPREHENSIVE FOCUS 40S | ENGC4S – 1 CREDIT

This course will assist with the language development of Grade 12 students. The emphasis of this course is 50% pragmatic/practical and 50% aesthetic/reflective. As listeners, readers, and viewers, students will recall, paraphrase, and analyse pragmatic texts, and respond to and interpret aesthetic literature. This course provides students with multiple opportunities to engage with and produce a variety of texts.

# MATHEMATICS

## PROGRAM OVERVIEW

The mathematics program is designed to provide pre-requisite knowledge, skills, and critical-thinking skills for specific post-secondary programs or direct entry into the workforce. Students should choose courses required for admission to their desired post-secondary program and also be aware of the grade entrance requirements for that program.

- The **Grade 9 Mathematics** is a compulsory course that is a required for all Grade 9 students. Once a student completes this course, they can select one or multiple programs below.

### Grade 10-12 Math Programs

- **Essential Mathematics:** This program is designed to provide students with the mathematical understandings and critical-thinking skills for entry into the majority of trades, and for direct entry into the workforce.
- **Applied Mathematics:** This program is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus.
- **Pre-Calculus Mathematics:** This program is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus.

## COURSES

### GRADE 9

#### MATHEMATICS 10F | MATR1F – 1 CREDIT

Math 10F is a compulsory course for all **Grade 9 students**. A main goal of the course is to enable students to reason and communicate mathematically with confidence. It includes such topics as Mathematical Reasoning, Statistics, Polynomials, Spatial Geometry/Transformations, Linear Relations, Powers and Exponents, and Trigonometry.

### GRADE 10

#### ESSENTIAL MATHEMATICS 20S | ESMR2S – 1 CREDIT

Essential Mathematics 20S involves applications to practical problems from business and consumer mathematics. This course is intended for students whose post-secondary studies do not require math as a pre-requisite. The topics include: Analysis of Games and Numbers, Personal Finance, Measurement, 2-D Geometry, Trigonometry, Consumer Decisions, Transformations and Angle Construction.

#### INTRODUCTION TO APPLIED AND PRE-CALCULUS MATHEMATICS 20S | IAPR2S – 1 CREDIT

Introduction to Applied and Pre-Calculus Mathematics is the prerequisite for Applied 30S and Pre-Calculus 30S. This course is intended for students who are considering post-secondary studies that require math as a pre-requisite. It emphasizes independent thinking and the development of strong problem solving and analysis skills. Topics include rational and irrational numbers, powers of integers, linear measurements, proportional reasoning, linear relations and functional notation.

## GRADE 11

### ESSENTIAL MATHEMATICS 30S | ESMR3S – 1 CREDIT

Essential Math 30S involves applications to practical problems from business and consumer mathematics. The topics include: Analysis of Games and Numbers, Interest and Credit, 3-D Geometry, Statistics, Managing Money, Relations and Patterns, Trigonometry, and Design Modeling. Successful completion of a Grade 10 Mathematics course is re

### PRE-CALCULUS MATHEMATICS 30S | PCMR3S – 1 CREDIT

Pre-Calculus Math 30S places emphasis on theoretical problem solving and independent thinking. The topics include: Algebra and Number Sense, Trigonometry, Relations and Functions. It is recommended that students have achieved a good understanding of content in Grade 10 Introduction to Applied and Pre-Calculus.

### APPLIED MATHEMATICS 30S | APMR3S – 1 CREDIT

Applied Math 30S places emphasis on critical thinking and analysis of data using technology. The topics include: Measurement, Geometry/Trigonometry, Logical Reasoning, Statistics, Relations and Functions, Mathematics Research Project. Successful completion of Grade 10 Introduction to Applied and Pre-Calculus is recommended.

## GRADE 12

### ESSENTIAL MATHEMATICS 40S | ESMR4S – 1 CREDIT

Essential Math 40S involves applications to practical problems from business and consumer mathematics. The topics include: Analysis of Games and Numbers, Vehicle Finance, Statistics, Precision Measurement, Career Life, Home Finance, Geometry and Trigonometry, Business Finance, Probability. Successful completion of a Grade 11 Mathematics course is recommended for the Grade 12 Essential Mathematics course.

### PRE-CALCULUS MATHEMATICS 40S | PCMR4S – 1 CREDIT

Pre-Calculus Math 40S places emphasis on theoretical problem solving and independent thinking. The topics include: Trigonometry, Permutations, Combinations and Binomial Theorem, Relations and Functions. It is recommended that students have achieved a good understanding of content in Grade 11 Pre-Calculus Mathematics.

### APPLIED MATHEMATICS 40S | APMR4S - 1 CREDIT

Applied Math 40S places emphasis on critical thinking and analysis of data using technology. The topics include: Financial Mathematics (Investing, Borrowing), Logical Reasoning, Probability, Relations and Functions, Design and Measurement, Mathematics Research Project. Successful completion of Grade 11 Applied or Grade 11 Pre-Calculus Mathematics is recommended.

## SOCIAL STUDIES

### PROGRAM OVERVIEW

The Manitoba Social Studies Curriculum studies people in relation to each other and to the world in which they live. In Manitoba, social studies comprise the disciplines of history and geography, draws upon the social sciences, and integrates relevant content from the humanities. As a study of human beings in their physical, social, and cultural environments, social studies examine the past and present, and looks toward the future. Social studies help students acquire the skills, knowledge, and values necessary to become active democratic citizens and contributing members of their communities, locally, nationally, and globally.

### COURSES

#### SOCIAL STUDIES 10F - CANADA AND THE CONTEMPORARY WORLD | SOSR1F – 1 CREDIT

Social Studies 10F is a compulsory course. The intention of the course is to help students gain a greater understanding of the society in which they live, their roles within that society, and the role of Canada within the world. Concepts that will be covered include: diversity and pluralism; democracy and government; Canada in a global context; and the challenges and opportunities experienced by the citizens from the past to the present and into the future.

#### GEOGRAPHY 20F - GEOGRAPHIC ISSUES OF THE 21ST CENTURY | GEOR2F – 1 CREDIT

Geography 20F is a compulsory course. Through this course, students will focus on a variety of issues and challenges of the contemporary world. They explore the nature of geography and develop skills related to geographic thinking. Students use the methods and tools of geography to examine issues and problems and propose solutions. They study concepts related to ownership and development of natural resources, production and distribution of food, development of industry and trade, and increased urbanization. Students consider these issues in the context of Canada, North America, and the world. Through their study, students become aware of the importance of the environment, stewardship, and sustainable development, as well as the social, political and economic implications of their personal choices.

#### CANADIAN HISTORY 30F | HISR3F– 1 CREDIT

History 30F is a compulsory course. This course examines the history of Canada, starting with who were the First Peoples in Canada to the present. Student will be introduced to the relative issues and events that have occurred in the past; and describe and analyze how they have shaped the development of our country.



## SCIENCE

### PROGRAM OVERVIEW

Science courses help you explore the world around you and provide you with a solid foundation for your future careers in science related fields. The development of increasingly scientifically literate individuals is one of the primary concerns of a 21st century approach to science education. Within that vision can be included skills such as effectively interpreting technical information, participation in the solution of problems that appeal to new scientific understandings, making informed decisions in relation to issues and trends in a technological society, better adapting to and accommodating rapid change, and welcoming the creation of new knowledge. Science education is a particularly key element in developing these general goals and skill sets for scientific literacy and working toward building a strong future for Canada's young people.

### COURSES

#### SCIENCE 10F | SCIR1F – 1 CREDIT

Science 10F is a compulsory course. To develop scientifically literate students, this course is built upon five foundations for scientific literacy. This course consists of five clusters: skills and attitudes, reproduction, atoms and elements, nature of electricity, and exploring the universe. This course is important for students who may wish to consider future courses leading to a career in science or technology.

#### SCIENCE 20F | SCIR2F – 1 CREDIT

Science 20F is a compulsory course that is built upon five foundations for scientific literacy. The course consists of five clusters: skills and attitudes, dynamics of ecosystems, chemistry in action, in motion, and weather dynamics. This course is important for students who may wish to consider future courses leading to a career in science or technology.

#### BIOLOGY 30S | BIOR3S – 1 CREDIT

This is a biology program with a focus on the following clusters: biology skills and attitudes, wellness and homeostasis, digestion and nutrition, transportation and respiration, excretion and waste management, protection and control, and wellness and homeostatic changes. Studies will be based on the human species.

#### BIOLOGY 40S | BIOR4S – 1 CREDIT

In this continuation of Biology 30S, greater emphasis is placed on broad topics such as: classification of living things, cellular respiration, photosynthesis, protein synthesis, animal and plant diversity, and genetics.

#### CHEMISTRY 30S | CHER3S – 1 CREDIT

Chemistry 30S is recommended for students who wish to pursue careers in the biological sciences, engineering, agriculture, aerospace and medical sciences including pharmacy. Topics include: physical properties of matter, gases and the atmosphere, chemical reactions, solutions, and organic chemistry.

#### CHEMISTRY 40S | CHER4S – 1 CREDIT

Chemistry 40S provides the students with a more challenging aspect of chemistry topics. These include chemistry skills and attitudes, aqueous reactions, atomic structure, chemical kinetics, chemical equilibrium, acids and bases, and electrochemistry.

## PHYSICS 30S | PHYR3S – 1 CREDIT

Physics 30S introduces students to the basic concepts of physics. Unit topics include: waves and sound, kinematics, nature of light, and fields. Emphasis is on linear relationships at this level. This course is recommended for students considering careers in science and technology.

## PHYSICS 40S | PHYR4S – 1 CREDIT

Physics 40S deals with the following topics: kinematics, dynamics, momentum, projectile motion, circular motion, work and energy, exploration of space, low earth orbit, electric and magnetic fields, electric circuits, electromagnetic induction, and medical physics. A strong foundation in math Pre-Calculus 30S is strongly recommended.

# PHYSICAL & HEALTH EDUCATION

## PROGRAM OVERVIEW

The Physical & Health Education program focuses on providing students with balanced programming to develop the knowledge, skills, and attitudes for physically active and healthy lifestyles. The goal is for all students to be physically active and make healthy lifestyles choices.

## COURSES

### PHYSICAL EDUCATION & HEALTH 10F & 20F | PHER1F & PHER2F – 1 CREDIT EACH

This is a full credit compulsory course that teaches students the benefits of leading an active and healthy lifestyle. This course is designed to allow students the opportunity to participate in a wide variety of activities that will increase their knowledge of fitness and build movement and personal management skills. The health portion of the course discusses topics such as, nutrition, first aid, healthy relationships and bullying.

### PHYSICAL EDUCATION – ACTIVE AND HEALTHY LIFESTYLES 30F & 40F | PHER3F & PHER4F – 1 CREDIT EACH

This is a full credit compulsory course that teaches students the benefits of leading an active and healthy lifestyle. Students will be given the opportunity to participate in a variety of activities and learn about the following topics including leadership, nutrition, fitness management, healthy relationships, and issues in sport. Students will have the opportunity to develop and follow through on an activity plan.

## VIRTUAL SCHOOL - OPTION COURSES

### PROGRAM OVERVIEW

Options courses available from the Virtual School are listed below with a descriptor.

### COURSES

#### VISUAL ART 10S/20S | VIAR1S/VIAR2S – 1 CREDIT EACH

In Grade 9 and 10 Visual Arts, students are introduced to the elements and principles of design as they experiment with different media in order to try their hand at various art making techniques. Visual Arts offers students a chance to create art with their peers as they learn the fundamentals of drawing, painting, sculpture, and craft. No previous art experience required, only a willingness to try a bit of everything!

#### VISUAL ART 30S/40S | VIAR3S/VIAR4S – 1 CREDIT EACH

In Grade 11 and 12 Visual Arts students hone their technical skills and begin to spend more time on complex and detailed works of art. Students will develop deeper observational skills and make meaning of art works, past and present. Students will have more opportunity for choice as they participate in drawing, painting, sculpture, and craft.

#### LAW 40S | LAWR4S – 1 CREDIT

This course studies Canadian law as it relates to investigation, criminal law, law suits, forensics, human rights, family law, etc. A field trip to observe the courts in action, guest speakers, movies, case studies, project work and group work are included in the course. Law 40S is now a Senate approved course which can be used to calculate the admission and entrance scholarship averages at the University of Winnipeg.

#### GLOBAL ISSUES: CITIZENSHIP AND SUSTAINABILITY 40S | GLIR4S – 1 CREDIT

Global Issues is an optional course offered at the Specialized (S) level. Students conduct inquiry into the social, political, environmental, and economic impacts of contemporary and emerging global issues. Through their inquiry, students focus on questions of quality of life locally, nationally and globally. This course is based on the principles of active democratic citizenship, ecological literacy, critical media literacy and ethical decision-making. This course brings together information and ideas from different disciplines, in order to empower students to be agents of change for a sustainable and equitable future.

#### FAMILY STUDIES 30S/40S | FSTR3S/4S - 1 CREDIT EACH

This course will focus on personal development and relationships as they develop from adolescence through to adulthood. Exploration of issues such as self-awareness, communication skills, family roles and responsibilities, relationships, sexuality, career education and money management will be covered.

#### CINEMA AS WITNESS TO MODERN HISTORY 40S | CMHF4S - 1 CREDIT

This course will engage students in an exploration of the connections among cinema as an art form, cinema as a product of history, and cinema as an interpreter of history. Students will respond to and discuss the aesthetic and emotional elements of cinema and will apply historical thinking concepts to the analysis of historical themes as represented in various films and other sources. Throughout the course, students will apply critical media literacy skills in order to understand that film does not simply reflect the past, but interprets and retells the past and, at times, reconstructs it

# VIRTUAL SCHOOL

## COURSE/GRADUATION PLANNING

### SENIOR YEARS CREDIT SYSTEM

The Senior Years (Grade 9-12) credit system provides flexibility to enable students to pursue Senior Years courses best suited to their individual requirements and aspirations. A student may earn one credit by undertaking and successfully completing a course of study designed for approximately 110 hours of instruction.

Manitoba Education requires that students earn a minimum of **30 credits** to graduate from high school.

Credits fall into two categories:

**Compulsory Course** - a course for which students must receive credit as determined by Manitoba Education. There are 17 courses from Grade 9-12 that are compulsory for graduation.

**Optional Course** – is sometimes called an elective and is a course that students may choose based on their interests, abilities, values and career goals. Students require 13 optional course credits for graduation.

### USING THE GRADUATION PLANNER

The graduation planner below is to assist students and families in course selections for the upcoming school year. In order to use the planner, you can print or save the document below.

#### STEP 1: REVIEW YOUR TRANSCRIPT AND DOCUMENT COMPLETED COURSES

- As part of your pre-registration package, you have received a link to completed courses and courses in progress.
- In the chart below, write in the completed courses or courses in progress where it is anticipated that the student will receive credit. If it is likely that the course needs to be repeated, do not put it on the planner.

#### STEP 2: IDENTIFY/SELECT COMPULSORY COURSES

- Review the compulsory courses completed/required and select the next level of the course and write it into your planner.
- We ask that students prioritize compulsory courses first

#### STEP 3: SELECT OPTION COURSES

- Review the option courses in the course handbook and select the courses and write it into your planner.

#### STEP 4: ENTER SELECTIONS INTO THE ONLINE PRE-REGISTRATION FORM

- Use the following link to enter your course selections

# VIRTUAL SCHOOL GRADUATION PLANNER

GRADUATION REQUIREMENTS ARE BASED ON THE SENIOR YEARS ENGLISH PROGRAM (30 CREDITS)

<b>GRADE 9</b>		
COMPULSORY	CREDIT	CREDIT RECEIVED (✓)
ENGLISH 10F	1.0	
MATH 10F	1.0	
SCIENCE 10F	1.0	
SOCIAL STUDIES 10F	1.0	
PHYSICAL EDUCATION 10F	1.0	
<b>OPTIONAL</b>		
<b>GRADE 9 – TOTAL CREDITS</b>		

<b>GRADE 10</b>		
COMPULSORY	CREDIT	CREDIT RECEIVED (✓)
ENGLISH 20F	1.0	
MATH: _____	1.0	
SCIENCE 20F	1.0	
GEOGRAPHY 20F	1.0	
PHYSICAL EDUCATION 20F	1.0	
<b>OPTIONAL</b>		
<b>GRADE 10 - TOTAL CREDITS</b>		

<b>GRADE 11</b>		
COMPULSORY	CREDIT	CREDIT RECEIVED (✓)
ENGLISH: _____	1.0	
MATH: _____	1.0	
HISTORY 30F	1.0	
PHYSICAL EDUCATION 30F	1.0	
<b>OPTIONAL (MIN. 1 CREDIT AT GRADE 11 LEVEL)</b>		
<b>GRADE 11 - TOTAL CREDITS</b>		

<b>GRADE 12</b>		
COMPULSORY	CREDIT	CREDIT RECEIVED (✓)
ENGLISH: _____	1.0	
MATH: _____	1.0	
PHYSICAL EDUCATION 40F	1.0	
<b>OPTIONAL (MIN. 2 CREDITS AT GRADE 12 LEVEL)</b>		
<b>GRADE 12 - TOTAL CREDITS</b>		