



Educating the Heart and the Mind

St. Maurice School

of St. Vital Parish

A K-12 Parochial Catholic School

GRADE 10 COURSE DESCRIPTIONS

ADVANCED DEBATING 31G (0.5 credit – Term 1)

PREREQUISITE: English Language Arts 10F

NOTE: Although Communications 21G is not a pre-requisite for this course, Advanced Debating 31G will build upon the foundations of Communications 21G, while recognizing that not all students will have taken that course. Advanced Debating 31G is particularly recommended to students who have completed Communications 21G.

This course will continue to advance and develop the life skills of verbal communication, with a particular emphasis on the intricacies and fine points of competitive debate. Students will be taught to develop sophisticated arguments, to anticipate the arguments of their opponents, and to combine logical reasoning and rhetoric with effective style and delivery techniques.

BUSINESS INNOVATIONS 10S (1.0 credit)

PREREQUISITE: None

NOTE: Required course for Business Education Program (BEP) students.

Business Innovations is an introductory course that allows students to sample the various strands within the applied commerce education program. The course offers students the opportunity to explore commerce-related topics, such as economics, entrepreneurship, business, marketing, technology, and finance. Throughout the course, students will apply the concepts and strategies they learn to a variety of creative business projects or simulations. It is the suggested introduction to all the other courses offered in the applied commerce education subject area but is not required.

CAREER DEVELOPMENT: LIFE/WORK PLANNING 20S (0.5 credit – Term 1)

PREREQUISITE: None

The economy of the twenty-first century will need workers who can respond and adapt to change and who are lifelong learners. Canada is on the verge of a workforce shortage that will create many new job opportunities. The ability to predict jobs or work of the future is becoming more and more challenging. Canadians will need to develop a new set of career-building skills that will enable them to be flexible, be adaptable, be self-reliant in order to construct and manage their lives and careers, access labour market information, and to be able to use this information effectively. This Career Development 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. The course places an emphasis on student outcomes related to communication skills, work information, work trends, self-assessment, matching personal skills to occupations, stereotyping and discrimination in the workplace, and work-search tools.



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DIGITAL ANIMATION 2-D 35S (0.5 credit – Term 2)

PREREQUISITE: None

This is an introductory course in animation and game design. The purpose of this course is to provide students with the skills and knowledge to create animations. Students will learn to define the purpose and audience for an animation, create a storyboard, create and manipulate animation objects, create and use a timeline, animate objects by using timeline effects, layers, and frames. As part of this course students will use Adobe Creative Suite, animation software and web applications to design and create interactive games.

DIGITAL PICTURES 25S (0.5 credit – Term 1)

PREREQUISITE: None

The purpose of this course is to provide students with the skills and knowledge to convey a message through an original digital image.

Students will:

- Define the purpose and audience for an image.
- Conceive of a still image that will communicate a message.
- Capture a still image with a digital camera.
- Manipulate a digital image to create a new image by using painting tools, editing tools, layers, image properties, filters and effects.
- Select the graphic file format best suited to the end product and purpose of the image.
- Display an original graphic image.
- Critique and suggest improvements for an image, using given technical and aesthetic criteria.
- Accept critique of an image and make changes based on the feedback.

Note: It is expected that students registering for this course will be involved in the photography for the school yearbook. Please note that students will be expected as part of the homework for this course to take photographs at school activities and sporting events, some of which will require a commitment of time outside of school hours.

It is hoped that students who complete this first term half-course in digital photography would choose to volunteer to be official yearbook photographers for the remainder of their schooling at St. Maurice.



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ENGLISH LANGUAGE ARTS 20F (1.0 credit)

PREREQUISITE: English Language Arts 10F

This course is designed to develop and reinforce literary skills and interpretive analysis. It will seek to incorporate an English language programme including both group work and individualized study. This programme is one which will be sensitive to the contemporary needs of students while maintaining a high-quality classic education. Students will study at least 3 novels and 2 plays. In addition, they will complete units in creative writing and poetry.

ESSENTIAL MATHEMATICS 20S (1.0 credit)

PREREQUISITE: Mathematics 10F

Grade 10 Essential Mathematics 20S is aimed at providing students with the opportunity to develop problem solving abilities, to gain confidence in their mathematical ability, to enjoy mathematics, to reason and to communicate mathematically, and to develop positive attitudes towards the uses and value of mathematics in our society. The course is based on seven mathematical processes: Communication, Connections, Mental Mathematics and Estimation, Problem Solving, Reasoning, Technology, and Visualization. Topics of instruction are Measurement, Algebra, Geometry and Number.

Note: Students seeking to register in Pre-Calculus Mathematics 30S, Chemistry 30S, and/or Physics 30S in their Grade 11 year MUST register for Introduction to Applied and Pre-Calculus Mathematics 20S and achieve the respective prerequisites for Pre-Calculus Mathematics 30S, Chemistry 30S and/or Physics 30S

GEOGRAPHIC ISSUES OF THE 21ST CENTURY 20F (Geography 20F) (1.0 credit)

PREREQUISITE: Canada in the Contemporary World 10F

The intent of Geography 20F is for students to gain a geographical understanding of local and global events by examining the processes that shape the earth.

The course is broken up into five units.

Unit I Geographical Literacy

Unit II Natural Resources

Unit III Agriculture

Unit IV Industry and Trade

Unit V Urban Studies

The course will have a focus on Canadian issues, but students will also study world geography and learn about Canada's place in the global community.



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INTRODUCTION TO APPLIED AND PRE-CALCULUS MATHEMATICS 20S (1.0 credit)

PREREQUISITE: A minimum of 60% in Mathematics 10F

Grade 10 Introduction to Applied and Pre-Calculus Mathematics is intended for students considering post secondary studies that require a math pre-requisite. This course provides students with the mathematical understanding and critical thinking skills that have been identified for specific post-secondary programs of study. The topics studied form the foundation for topics to be studied in Grade 11 Pre-Calculus Mathematics.

Students will engage in experiments and activities that include the use of technology, problem solving, mental mathematics and theoretical mathematics to promote the development of mathematical skills. These experiences will provide opportunities for students to make connections between symbolic mathematical ideas and the world around us.

The learning outcomes are divided into three strands:

- Algebra and Number
- Measurement
- Relations and Functions.

Possible topics within these three strands include Number Sense, Measurement, Polynomials, Trigonometry, Linear Functions (modelling and applications), Algebra, Coordinate Geometry, Relations, Functions and Graphing, Surface Area and Volume.

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JOURNALISM 21G (0.5 credit – Term 2)

PREREQUISITE: English Language Arts 10F

This course will focus on the fundamentals and key elements of journalism. It aims to develop the writing skills of students in relation to the world around them. Special emphasis will be placed on students being able to chronicle and document news and current affairs stories, to assist them as young adult citizens in being able to make sense of the external realities of their world. Students will record, assess, and analyze news and appreciate its effects on our society.



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PHYSICAL EDUCATION / HEALTH 20F (1.0 credit)

PREREQUISITE: Physical Education / Health 10F

In the Physical Education program, lifetime fitness activities and sports, first aid, and safety are stressed. Grade 10 students will be involved in hosting intramural and special physical activity programs throughout the year. Officiating and score keeping skills will be taught in various units. All students will be given the opportunity to help support the sport, physical education and fitness programs at St. Maurice School. A final assignment dealing with each student's personal fitness management will be given.

The new Manitoba Health component for Grade 10 is complementary to the Physical Education programs.

Topics include:

- Contributing to the Community
- Responsibility to Yourself and to Others
- Mental Health Transitions.

This course is designed to make students more aware of health support services and health issues that affect our society today. Ways of coping with the physical, emotional and family changes in our lives will also be discussed. The Health component may also include information on post-secondary planning, career exploration, scholarships and awards.

READING AND THINKING 21G (0.5 credit – Term 1)

PREREQUISITE: None

Reading is thinking is a course that will help to increase literacy skills. It is an opportunity for students to receive individual assistance with literacy skills to better equip them to understand coursework in other classes. This course also better prepares students for the world of work where reading skills are essential for success.

RELIGION 21G (1.0 credit)

PREREQUISITE: None

St. Maurice School's Religion courses follow the religious education series approved by the Canadian Conference of Catholic Bishops (CCCB). The text for the Grade 10 year, Christ and Culture is written to assist Grade 10 students, with the help of the Gospel, to participate as Christians in the shaping of our culture. The program explores major cultural issues from a Christological perspective.



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SCIENCE 20F (1.0 credit)

PREREQUISITE: Science 10F

This course will help students increase their understanding of many of the fields of science and will further develop the process and skills by which scientific investigation is carried out.

Topics to be studied include:

1. Laboratory Safety, Equipment and Procedures
2. Scientific Measurement and Experimentation
3. Chemistry: Patterns and Compounds, Chemical Reactions, Acids and Bases, Reactions and the Environment
4. Physics: Motion, Uniform Motion, Accelerated Motion, Applications of Motion
5. Ecology: Cycles and Sustainability
6. Earth Science - Weather Dynamics

VISUAL ARTS 20S (1.0 credit)

PREREQUISITE: None

This course will concentrate on developing basic drawing skills including the use of line, shading and tone. Students will also explore painting, calligraphy, graphic design, cartooning and sculpture

WEB DESIGN 35S (0.5 credit, Term 2)

PREREQUISITE: Digital Pictures 25S

This course is meant to provide students with the skills and knowledge to design, develop, and publish simple websites of various degrees of complexity. Students will: design a website for a defined audience and purpose, be able to explain the need for standards and conventions when creating websites, design a navigation plan for a website, set up a directory and file management system for storing/sharing documents. They will be able to develop a prototype visual design for a website using current design principles for page layout, links, and colours. They will be able to create websites that include multiple pages, various formatting, images, sound, navigation links, and various other elements.

Note: Digital Pictures 25S and Web Design 35S will be scheduled as consecutive 0.5 credit courses. A student must register for both courses: Digital Pictures in the first term, followed by Web Design in the second term.

Note: Web Design 35S is required for advancement into Computer Science 30S at the Grade 11 level.