



BEAUTIFUL SAVIOUR
LUTHERAN SCHOOL

COURSE

HANDBOOK

2026 / 2027

Beautiful Saviour Lutheran School

The following outlines the courses that are available for students attending BSLs. All grade levels have a required number of required courses and elective course. Students and parents are encouraged to obtain as much information as possible and to work with their teachers to select programs and courses that will be both challenging and attainable for each student.

Students will be required to complete a Course Selection Worksheet with their elective choices numbered from 1-5. Number one would represent the course they would most prefer. The aim is to provide students with all of the chosen electives, but it may be limited due to a number of circumstances such as enrollment or resources. Final course selection will be provided to students by end of August, the week before school starts.

Important Information:

This handbook has been compiled to help students, parents and guardians with information about the courses offered at Beautiful Saviour Lutheran School.

Course and grade level selection is very important. A student's course selection will affect career and post-secondary opportunities. It is important to make selections carefully. Students should consider their personal interests, abilities, and aspirations in selecting courses.

Manitoba Education Graduation Requirements: 30 credit hours

Grade 9

<u>Subject</u>	<u>Credits</u>
English Language Arts	1
Mathematics	1
Canada In the Contemporary World	1
Science	1
Physical Education	1
Christian Studies	1
Plus Electives	2
TOTAL: 8-9 credits	

Grade 10

<u>Subject</u>	<u>Credits</u>
English Comprehensive	1
Essential Math OR	1
Intro to Applied & Pre-Calculus Math	
Geographic Issues of the 21 st Century	1
Science	1
Physical Education	1
Christian Studies	1
Plus Electives	2
TOTAL: 8 credits	

Grade 11

<u>Subject</u>	<u>Credits</u>
English Comprehensive Focus OR	1
Literacy Focus	
Applied Math OR	1
Essential Math OR	
Pre-calculus Math	
History of Canada	1
Physical Education	1
Christian Studies	1
Plus Electives	3
TOTAL: 7-8 Credits	

Grade 12

<u>Subject</u>	<u>Credits</u>
English Comprehensive OR	1
Literacy Focus	
Essential Math OR	1
Pre-calculus OR	
Applied Math	
Physical Education	1
Christian Studies	1
Plus Electives	3
TOTAL: 6-7 Credits	

Grade 9 Courses:

English 10F (1 CREDIT)

Prerequisite: None

This course develops the six basic strands of English Language Arts: listening, speaking, reading, writing, viewing, and representing. The students will:

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

Reading is Thinking 10S (1 CREDIT)

This course is a supplementary English Language Arts course designed to strengthen students' ability to comprehend and analyze complex literary and informational texts. Through engagement with a variety of fiction and non-fiction materials, students will develop critical thinking skills, deepen their understanding of textual meaning, and learn to thoughtfully evaluate diverse perspectives. The course emphasizes the importance of sharing and exploring ideas through structured discussion, fostering effective listening and communication skills. Students will also refine their language use by further developing grammatical accuracy and spelling conventions. Reading is Thinking 10S supports students in becoming more confident, reflective, and capable readers who recognize that multiple viewpoints enrich interpretation and understanding.

Mathematics 10F (1 CREDIT)

Prerequisite: None

Grade 9 Mathematics (10F) is a foundation course to prepare students for multiple pathways in Grades 10 to 12. Topics Include:

- Numbers
- Shape and Space
- Statistics and Probability
- Patterns and Relations

Social Studies: Canada in the Contemporary World 10F (1 CREDIT) Prerequisite: None

Students will observe, understand, and ask relevant questions to make important decisions as active citizens of a community, nation, and world. The primary focal points of the course are the geography and history of Canada. Students will examine the following four clusters in this course:

- Diversity and Pluralism,
- Democracy and Governance,
- Canada in the Global Context,
- and Opportunities and Challenges.

These clusters will examine the cultural makeup of Canada, and how various individuals and groups function within a diverse and pluralistic nation. They will examine how Canada is governed and what individuals and groups can do to contribute to our governance, and how we can interact as citizens of an increasingly globalized and industrialized planet. As well, the course will lead the students to understand current issues in Canadian society, and how they can be considered in planning for the nation's future.

Science 10F (1 CREDIT)

Prerequisite: None

This course provides general educational experiences in science for all students to give them a better understanding of the world around them. Students will develop and expand their knowledge and incorporate critical and analytical thinking, as well as learn and develop lab skills. Topics Include:

- Physics - The Nature of Electricity
- Biology - Reproduction
- Chemistry - Atoms and Elements
- Astronomy - Exploring the Universe

Physical Education and Health 10F (1 CREDIT)

Prerequisite: None

Students are provided with a balanced program that encompasses the knowledge, skills, and attitudes necessary for a physically active and healthy lifestyle. The students will cover the subject areas of relationships and human sexuality, substance use and abuse, personal values, communication, decision making and mental health education.

The students will also cover goal setting, teamwork, fair play, sport etiquette, communication, and personal responsibility.

Topics Include:

- Movement
- Fitness Management
- Safety
- Personal and Social Management
- Healthy Lifestyle Practices

Students are requested to bring appropriate physical education attire (non-marking runners, sweats or shorts, deodorant, and a T-shirt) and are required to participate in all activities.

Christian Studies (1 CREDIT)

Students will explore the Old Testament and God's people from Genesis to the time of Jesus.

Major themes include:

- Creation
- Abraham and the patriarchs
- the Exodus
- Judges, Kings, and Prophets
- the Exile and Return of God's people

Business Innovations (1 CREDIT)

Prerequisite: None

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 of the other courses offered in the applied commerce education subject area.

Lifeworks (1 CREDIT)

Prerequisite: None

This course is designed to prepare students for their future careers by teaching them how to make informed decisions about their education, career pathways, and personal development. It will

help them gain self-awareness, explore career options, develop practical skills for seeking and maintaining employment, and engage with the school and community to gain hands-on experience. The course is divided into five themed units, with each focusing on different aspects of personal and professional development. The students will be encouraged to actively engage in learning activities, research, and real-world experiences to enhance their understanding of how to gain and develop a career.

Concert Band (1 CREDIT)

Prerequisite: None

Students will play in an instrumental ensemble of woodwind, brass, and percussion instruments. Students select which instrument they wish to play; some prior experience is helpful. The Concert Band plays a wide variety of music from festival and concert pieces to marches, to television and movie themes, to Broadway showstoppers and jazz – and students are always welcome to offer music suggestions! There are public performances, such as the Christmas and Spring Concerts. Students are expected to supply their own instrument.

Strings (1 CREDIT)

Students will play in an instrumental ensemble of stringed instruments. Students select which instrument they wish to play; some prior experience is helpful. The Strings plays a wide variety of music from festival and concert pieces to television and movie themes, Broadway showstoppers, and jazz – and students are always welcome to offer music suggestions! There are public performances, such as the Christmas and Spring Concerts. Students are expected to supply their own instrument.

Dramatic Arts (.5 CREDIT)

Prerequisite: None

This course will cover cooperative drama exercises and then progresses to basic scene construction and improvisation and then moves to script work from popular movies, sitcoms, and serious dramas. You will gain confidence, learn group work skills, and experience public presentations.

Visual Art (1 CREDIT)

Prerequisite: None

Students will have the opportunity to explore the creative process through a variety of art media, such as drawing media, painting, 3-D work, and digital media. An emphasis will be placed on the styles of Canadian art.

Grade 10 Courses:

English 20F (1 CREDIT)

Prerequisite: English

10F

This course develops the six basic strands of English Language Arts: listening, speaking, reading, writing, viewing, and representing. The outcomes require the students to:

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

MATHEMATICS (choice between the following two options) (1 CREDIT)

Essential Mathematics 20S

Prerequisite: Mathematics

10F

Essential Mathematics (20S) is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Essential Mathematics (20S) is a one credit course. Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in a technological society.

Topics Include:

- Analysis of Games and Numbers
- Trigonometry Angle Construction
- Personal Finance
- Consumer Decisions
- 2-D Geometry
- Measurement
- Transformations

Introduction to Applied and Pre-Calculus Mathematics 20S

Prerequisite: Mathematics

10F (Recommended mark of 60%)

Introduction to Applied and Pre-calculus Mathematics (20S) is intended for students considering post-secondary studies that require a math prerequisite. This pathway 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 both Grade 11 Applied Mathematics and Grade 11 Pre-calculus Mathematics. Components of the curriculum are both context-driven and algebraic in nature. 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. This course is intended for students considering post-secondary study in Sciences (Physics and Chemistry), Engineering, Dentistry and Medicine, Kinesiology, Business, and some trades (among other post-secondary options).

Geographic Issues of the 21st Century 20F (1 CREDIT)

Prerequisite: Canada in the Contemporary World 10F

In Geographic Issues of the 21st Century, students focus on a variety of issues and challenges of the contemporary world. They explore the nature of geography and develop skills related to geographical thinking. Students use the methods and tools of geography, including geographic information systems (GIS) to examine issues and problems and to propose solutions. They study concepts related to ownership and development of natural resources, production and distribution of food, development of industry and trade, and increasing 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.

Topics Include:

- Geographic Literacy
- Natural Resources
- Food from the Land
- Industry and Trade
- Urban Places

Science 20F (1 CREDIT)

Prerequisite: Science 10F

The Grade 10 Science curriculum has been designed to develop and emphasize student skills in scientific inquiry while fostering awareness for the nature of science. Science will provide students with many opportunities to explore, analyze, evaluate, synthesize, appreciate, and understand the interrelationships among science, technology, society, and the environment that will affect their personal lives, careers, and their future.

Topics Include:

- Dynamic of Ecosystems
- Chemistry in Action
- In Motion
- Weather Dynamics

Physical Education and Health 10F (1 Credit) Activity Fitness

Prerequisite: None

Physical Education and Health 10F is an activity-based course that emphasizes **learning through movement**. The program is designed around **individual and small group activities**, allowing students to build physical literacy, competence, and confidence in a supportive, student-centered environment. The focus is on active participation, personal growth, and developing lifelong healthy habits rather than competition.

Students will engage in a wide range of physical activities, including individual and dual sports, fitness training, rhythm-based movement, and alternative pursuits. These experiences encourage students to take ownership of their learning while developing skills in goal setting, teamwork, fair play, communication, sport etiquette, and personal responsibility. Activities may include fitness classes, zumba, aerobics, golf, pickleball, ice fishing, archery, axe throwing, bowling, and other individual or small group pursuits that promote engagement and skill development.

In addition to physical activity, students will explore key health topics that support overall well-being. These include relationships and human sexuality, substance use and abuse, mental health, personal values, communication, and decision making. The course provides students with the knowledge, skills, and attitudes necessary to make informed choices and lead a balanced, healthy lifestyle.

Key areas of study include:

- Movement
- Fitness Management
- Safety
- Personal and Social Management
- Healthy Lifestyle Practices

Students are expected to come prepared with appropriate physical education attire (non-marking runners, T-shirt, shorts or sweats, and deodorant) and to participate fully in all activities.

Physical Education and Health 10F (1 Credit) – Sport Based

Prerequisite: None

Physical Education and Health 10F is a sport-based, activity-focused course designed to develop **skill proficiency, game understanding, and overall physical fitness** through a combination of individual and team-based sports. Using a season-style approach, students will progressively build their abilities through structured practices, skill development sessions, and organized game play.

This course emphasizes **teamwork, collaboration, and team affiliation**, allowing students to experience the importance of working toward shared goals in both practice and competition settings. Students will also have opportunities to take on additional roles such as coach, official, or team leader, promoting leadership, responsibility, and a deeper understanding of sport. A strong focus is placed on fundamental movement skills and sport-specific techniques—including passing, shooting, striking, and positioning—to enhance confidence and performance in a variety of activities.

In addition to physical development, students will participate in health education that supports lifelong wellness. Topics include relationships and human sexuality, substance use and abuse, mental health, personal values, communication, and decision making. Students will also develop key life skills such as teamwork, fair play, respect, and personal accountability within a safe, inclusive, and supportive learning environment.

The course further encourages students to extend their learning beyond the classroom by exploring school and community sport opportunities.

Key Areas of Study:

- Movement
- Fitness Management

- Safety
- Personal and Social Management
- Healthy Lifestyle Practices

Activities may include soccer, baseball, kickball, football, basketball, badminton, volleyball, and other individual and team sports that promote skill development, strategy, and game understanding.

Students are required to come prepared with appropriate physical education attire (non-marking runners, T-shirt, shorts or sweats, and deodorant) and are expected to participate fully in all activities.

Christian Studies (1 CREDIT)

Prerequisite: none

Students will explore how God’s plan unfolds in the New Testament, following the church from Nazareth to Nicea.

Topics Include:

- Life and teachings of Christ
- Christian ethics
- Church identity

Computer Science (1 CREDIT)

Prerequisite: None

In Grade 10 Computer Science, students will explore the history and foundational concepts of programming and computer science while developing essential problem-solving skills. The course focuses on building a solid understanding of basic coding techniques, where students will learn to write and execute programs in a variety of programming languages. Students also will explore basic machine learning and AI principles while talking about the ethical implications of new technology in the computer science field.

Robotics (1 CREDIT)

Prerequisite:

Computer Sci

This course is designed to provide a thorough look at robotics principles, including coding, drafting and design. Students will be introduced to advanced engineering concepts such as sensor integration and task-specific design. Advanced topics in computer science, such as algorithms and topics in AI. Through labs and other experimental learning activities, students will conceptualize, create, and test robots of their own design. Opportunities to participate in robotics competitions will be available.

Entrepreneurship 20F (1 CREDIT)

Prerequisite: None

Entrepreneurship focuses on developing the foundational skills and ideas needed to plan and develop a business. This course provides an opportunity to be involved in business and entrepreneurial thinking in the real world. Students focus on planning, creating, implementing, evaluating, and growing their own business venture through planning and running. This course provides resume building opportunities for students who are interested in the business, hospitality, and culinary arts industries. Gain valuable skills such as collaboration, teamwork, entrepreneurship, critical thinking, communication, character development, and problem solving.

Print Communications (.5 CREDIT)

Prerequisite: None

The purpose of the course is to provide students with the skills and knowledge to plan and create documents for personal and business communications. Students will plan and produce print documents conforming to recognized standards:

- Business letters
- Labels and envelopes
- Meeting agendas
- Meeting minutes
- Research papers in a prescribed style (Examples: MLA, APA, Chicago...)
- Resumés and cover letters

Digital Pictures (.5 CREDIT)

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.

Digital Filmmaking (.5 CREDIT)

Prerequisite: None

The purpose of the course is to provide students with the skills and knowledge to tell stories by combining sound, still images, moving images, text, graphics, and animation into a video product. Students will plan, develop, and produce a video project.

Desktop Publishing (.5 CREDIT)

Prerequisite: None

The purpose of the course is to provide students with the skills and knowledge to plan and create a variety of published print documents such as:

- Brochures
- Flyers
- Media inserts (Examples: CD inserts, DVD inserts...)
- Newsletters
- Posters

Concert Band 20S (1 CREDIT)

Prerequisite: Concert

Students experience and learn about music through participation in the Concert Band. Students perform a wide variety of music selections, addressing instrumental development, music language, knowledge, interpretation, understanding and appreciation of music. The course requires students to participate in several group performance opportunities throughout the school year, including the Christmas Concert and the Spring Concert.

Musical Instruments: Students may elect to play a woodwind, brass, percussion, or string instrument. It is expected that students provide their own instrument for the course, (either through store rental, purchase or borrowing).

Dramatic Arts 25S (.5 CREDIT)

Prerequisite: None

The goals of Drama 25S are to promote awareness, to foster development and encourage use of imagination, creativity, self-discipline, self expression, cooperation, communication, critical analysis, and cultural values. These skills are developed by focusing on elements of drama through exercises in relaxing, energizing, concentrating, practicing movements, performing in group activities, acting out simple storylines, seeing, listening, speaking, and analyzing scripts and principles of design for the stage. This course is designed to be offered in a classroom

setting. The aim is not to stage a major drama production but to provide students with an opportunity to explore the varied forms that drama encompasses. Students will be expected to do related readings, research, and homework that include both written assignments and practical exercises in movement, voice, and memorization.

Songwriting (1 CREDIT)

Prerequisite: None

This Grade 10 Songwriting course introduces students to the fundamentals of creating original music by combining creativity with essential musical skills. Students will learn basic music theory concepts such as melody, harmony, rhythm, and chord progressions, while exploring common song structures and effective songwriting strategies, including lyric writing and storytelling. The course also introduces basic recording techniques and digital tools, enabling students to produce and refine their own work. By the end of the course, students will have developed a portfolio of original songs and a strong foundation in both songwriting and introductory music production. While having experience with instruments would be beneficial, it is not mandatory.

Private Music Option

Prerequisite: None

Students can earn up to four optional credits if they meet the requirements of the Conservatory Canada or the Royal Conservatory of Music programs. Arrangements are made through the school principal for these credits to be recorded. While these credits cannot count towards graduation, they can be earned in addition to the 30 credits necessary for graduation.

Visual Art 25S (.5 CREDIT)

Prerequisite: Visual

This is an introductory art program which will provide the student with numerous and varied learning experiences within the area of visual arts. Students will develop their creative problem-solving skills through the application of the artistic inquiry process, one that encourages informed and thoughtful planning when attempting to solve an artistic problem. Students will become familiar with Canadian art styles as well as international art influences.

Community Services Student Initiated Project (SIP) (1 CREDIT)

Prerequisite:

None

Volunteering is one of the greatest natural resources and is essential to a healthy community. Community Service can be an enriching experience, as it becomes a learning opportunity blending volunteering and learning goals that become mutually beneficial. Students involved in service learning can make lasting and significant contributions to their community while enhancing their education and expanding their life experiences. Volunteering fosters personal development in the areas of self-image, social sensitivity, teamwork skills, civic knowledge and responsibility, career exploration and critical thinking as well as emphasizing skills and attitudes necessary for responsible citizenship. The Community Service Student Initiated Project (SIP) Credit Option enables those students who contribute to their community by volunteering for approved causes or organizations, to receive recognition for the civic skills, knowledge, and attitudes obtained in the volunteer activity. By providing a Community Service Student-Initiated Project (SIP), students can obtain credit for a private activity in a pre-approved placement for which they may receive either .5 credit (55 hours minimum) or 1.0 (110 hours minimum).

Grade 11 courses:

English 30: Comprehensive Focus (1 CREDIT)

Prerequisite: English 20F

In Grade 11 Comprehensive Focus, learners engage with texts and topics in a balanced approach of equal attention to literary and informational forms. This includes texts that use language to represent creative ideas, feelings, or images and language to explain information and viewpoints. With the variety of texts learners experience and produce within Comprehensive Focus, approximately 50 per cent are literary and 50 per cent informational in purpose.

English 30: Literary Focus (1 CREDIT)

Prerequisite: English 20F

In Grade 11 Literary Focus, learners engage with texts and topics, with an emphasis on forms with literary purposes. This includes texts that use language to represent creative ideas, experiences, feelings, or images. Learners expand their understanding of literary texts by exploring related informational texts that use language to analyze, convey, or explain information and viewpoints. As creators, learners produce multimodal texts in literary and informational text forms in support of academic purposes. With the variety of texts learners experience and produce within Literary Focus, approximately 70 per cent are literary and 30 per cent informational in purpose.

Pre-calculus Mathematics

This is one of two math programs available for students planning to pursue post-secondary studies in mathematics and science. It is designed for students who intend to study calculus and related mathematics as part of post-secondary education. Some examples of this include Engineering, many Science degrees, and most recently Asper School of Business now requires Pre-Calculus. It builds on the topics studied in Grade 10 Introduction to Applied and Pre-Calculus Mathematics (like Domain and Range, Graphing Skills, Algebra Skills, etc.) and provides background knowledge and skills for the Grade 12 Pre-Calculus course.

Topics include:

- Radicals and rationals
- Absolute value and reciprocal functions
- Quadratic functions and equations
- Systems of equations
- Trigonometry
- Sequence and series
- Inequalities

Essential Mathematics 30 (1 CREDIT)

Essentials Mathematics 30 is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Essential Mathematics (20S) is a one credit course. Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in a technological society.

Topics Include:

- Analysis of Games and Numbers
- Trigonometry Angle Construction
- Personal Finance
- Consumer Decisions

- 2-D Geometry
- Measurement
- Transformations

Applied Mathematics (1 CREDIT)

Applied Mathematics 30 is intended for students entering university but not taking sciences or engineering. It is a one credit course. Students learn about the history of mathematics, and are expected to work both individually and in small groups on mathematical concepts and skills encountered in a technological society.

Topics include:

- Measurement
- Geometry
- Logical Reasoning
- Statistics
- Relations and functions
- Mathematics research project

Intro to Applied and Pre-calculus. Prerequisite: 20S (Recommended mark of 60%)

Introduction to Applied and Pre-calculus Mathematics (30S) is intended for students considering post-secondary studies that require a math prerequisite. This pathway 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 both Grade 11 Applied Mathematics and Grade 11 Pre-calculus Mathematics.

Components of the curriculum are both context-driven and algebraic in nature. 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. This course is intended for students considering post-secondary study in Sciences (Physics and Chemistry), Engineering, Dentistry and Medicine, Kinesiology, Business, and some trades (among other post-secondary options).

History of Canada (1 CREDIT) Prerequisite: Geographic Issues of the 21st Century

The *Grade 11 History of Canada (30F)* curriculum supports citizenship as a core concept and engages students in historical inquiry. Guided by Essential Questions, students focus on the history of Canada from pre-Contact times to the present. Through this process students think historically and acquire Enduring Understandings related to the following five themes in Canadian history:

1. *First Nations, Métis, and Inuit Peoples*
2. *French-English Duality*
3. *Identity, Diversity, and Citizenship*
4. *Governance and Economics*
5. *Canada and the World*

Physical Education and Health 30F (1 CREDIT)

Prerequisite: None

Students are provided with a balanced program that encompasses the knowledge, skills, and attitudes necessary for a physically active and healthy lifestyle. The students will cover the

subject areas of relationships and human sexuality, substance use and abuse, personal values, communication, decision making and mental health education. The students will also cover goal setting, teamwork, fair play, sport etiquette, communication, and personal responsibility.

Topics Include:

- Physical activity
- Fitness management
- Mental-emotional health
- Social impact of sport
- Substance use and abuse prevention

Students are requested to bring appropriate physical education attire (non-marking runners, sweats or shorts, deodorant, and a T-shirt) and are required to participate in all activities.

Christian Studies: Worldview (1 CREDIT)

Prerequisite: none

Students will explore how we are Saved by Grace: a Study of Christian Doctrine

This will include how doctrine holds together, and how it informs what the church believes, teaches and confesses. A comparative study of Christianity, cults and other religions will also be included.

Biology 30 (1 CREDIT)

Prerequisite: Science 20F

The Grade 11 Biology course is focused on human body systems and organs, with a major theme being our body's homeostatic balance. It builds upon the grade 9 biology unit.

Topics include:

- Wellness and homeostasis
- Digestion and nutrition
- Transpiration and respiration
- Excretion and waste management
- Protection and control
- Wellness and homeostatic change

Chemistry 30 (1 CREDIT)

Prerequisite: Science 20F

Grade 11 Chemistry (30S) in Manitoba is a foundation-level course exploring the interactions of matter and energy through five main units: Physical Properties of Matter, Gases and the Atmosphere, Chemical Reactions, Solutions, and Organic Chemistry. It emphasizes practical laboratory skills, stoichiometry, and real-world applications.

Topics include:

- Physical properties of matter
- Gases and the atmosphere
- Chemical reactions
- Solutions
- Organic chemistry

Physics (1 CREDIT)

Prerequisite: Science 20F

Physics 30S is focused on understanding the physical world through waves, mechanics, and fields, utilizing hands-on labs and algebraic problem-solving. This course has a large math component.

Topics include:

- Waves
- The nature of light
- Mechanics
- Fields

Broadcast Media (0.5 CREDIT)

Broadcast Media 30 is a course designed to teach students about the art of visual broadcasting. Grade 11 focuses on single- and multi-camera broadcasting. This includes lighting, camera settings, and editing.

Desktop Publishing (.5 CREDIT)

Prerequisite: None

The purpose of the course is to provide students with the skills and knowledge to plan and create a variety of published print documents such as:

- Brochures
- Flyers
- Media inserts (Examples: CD inserts, DVD inserts...)
- Newsletters
- Posters

Digital photography (.5 CREDIT)

This course is designed for students who are interested in the photography program. Students will learn photographic theory, the functions of a camera, as well as photographic editing skills and the history of photography. They will explore the use of different light sources.

Computer Science (1 CREDIT)

Grade 11 Computer Science will build upon students' knowledge of the history and foundational concepts of programming and computer science while developing essential problem-solving skills. The course expands on basic coding techniques, where students will learn to write and execute programs in a variety of programming languages. Students also will explore basic machine learning and AI principles while talking about the ethical implications of new technology in the computer science field.

Law (1 CREDIT)

Law is designed for students with an interest in the legal system, politics, and law enforcement. It has three key learning outcomes:

- Understanding the distinction between law and social mores, as well as the role of law in changing society.
- Analyzing the legal relationship between Indigenous peoples and non-Indigenous Canadians, including treaties.
- Developing skills in case study analysis, legal reasoning, and participating in mock trials.

Concert Band (1 CREDIT)

Students experience and learn about music through participation in the Concert Band. Students perform a wide variety of music selections, addressing instrumental development, music language, knowledge, interpretation, understanding and appreciation of music. The course

requires students to participate in several group performance opportunities throughout the school year, including the Christmas Concert and the Spring Concert.

Musical Instruments: Students may elect to play a woodwind, brass, percussion, or string instrument. It is expected that students provide their own instrument for the course, (either through store rental, purchase or borrowing).

Strings (1 CREDIT)

Students will play in an instrumental ensemble of stringed instruments. Students select which instrument they wish to play; some prior experience is helpful. The Strings plays a wide variety of music from festival and concert pieces to television and movie themes, Broadway showstoppers, and jazz – and students are always welcome to offer music suggestions! There are public performances, such as the Christmas and Spring Concerts. Students are expected to supply their own instrument.

Interactive Media (.5 CREDIT)

Prerequisite: None

The purpose of the course is to provide students with the skills and knowledge to create interactive media products that combine video, audio, and interactive components. Prior to taking the course, students should have skills in creating audio and video and an understanding of the media production process. Students will plan, develop, and publish interactive media.

Visual Arts (1 CREDIT)

Art 35S will continue building their creative problem-solving skills through the application of the artistic inquiry process, one that encourages informed and thoughtful planning when attempting to solve an artistic problem. Students will become familiar with Canadian art styles as well as international art influences. Through creation, response, and critique, students will develop their own creative voice and style.

Dramatic Arts (.5 CREDIT)

The goals of Drama 35S are to promote awareness, to foster development and encourage use of imagination, creativity, self-discipline, self expression, cooperation, communication, critical analysis, and cultural values. These skills are developed by focusing on elements of drama through exercises in relaxing, energizing, concentrating, practicing movements, performing in group activities, acting out simple storylines, seeing, listening, speaking, and analyzing scripts and principles of design for the stage. This course is designed to be offered in a classroom setting. The aim is not to stage a major drama production but to provide students with an opportunity to explore the varied forms that drama encompasses. Students will be expected to do related readings, research, and homework that include both written assignments and practical exercises in movement, voice, and memorization.