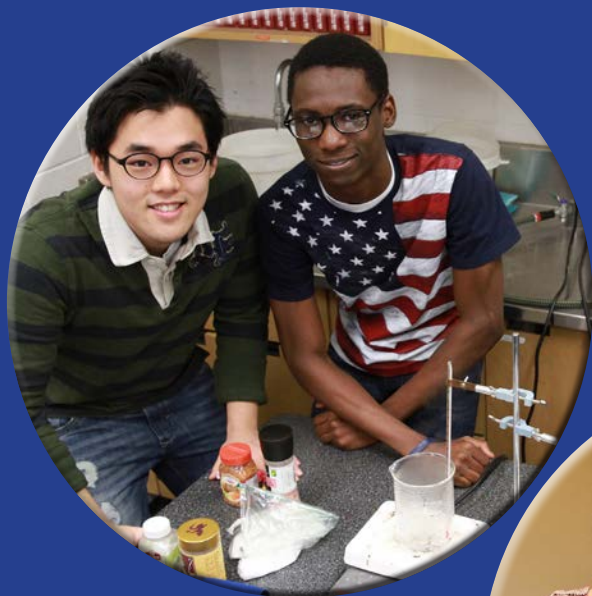


St. James-Assiniboia School Division High School Common Course Book 2019-2020



Great Schools for Growing and Learning
www.sjasd.ca

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The Senior Years

The Senior Years in the St. James-Assiniboia School Division provides a varied curriculum to meet the needs, interests, and abilities of students. The program provides a sound basis for further education or immediate employment.

This booklet has been designed to answer some of the questions that arise as students make the transition to the senior years of secondary education. The aspects of the senior years are as follows: Structure, Semester System, Credit System, Attendance Policy, Course Selection, and Graduation Certificates.

STRUCTURE

The Manitoba Education high school structure includes Grades 9, 10, 11, and 12.

SEMESTER SYSTEM

The majority of senior year's courses are taught on a semester system; that is, the course runs from September to the end of January or from February to the end of June. Some courses are taught from September to June and are referred to as non-semestered. Each student is timetabled individually depending on the courses selected.

CREDIT SYSTEM

The credit system provides a framework enabling students to pursue programs best suited to their individual needs and aspirations. A student may earn one credit by successfully completing a course of study. Half credits may be earned in a similar manner.

ATTENDANCE POLICY

Students are expected to be in their scheduled classes on time. Schools have an open campus for those students with unscheduled time. Students may choose to study/read in the library, to socialize in the cafeteria, or to leave the school grounds. The granting of course credits on a per subject basis is conditional on meeting school attendance requirements.

Student Services

Student Services is comprised of counsellors and resource teachers whose primary goals are to assist students in overcoming academic, vocational, personal, or social emotional/mental health concerns which may interfere with the pursuit of their educational goals. Information is provided on post-secondary planning and career prospects. Parents/students should contact universities, colleges, and/or other institutions for specific entrance requirements. Institutions will usually mail their program requirements to you on request.

Graduation Requirements

Students are required to accumulate a minimum of 30 credits to graduate with a Manitoba Provincial Diploma.

CERTIFICATES and DIPLOMAS

The **St. James-Assiniboia School Division Certificate** is awarded to students who have completed 40 hours of community service (see Community Activity Service Certificate on page 6).

The **SJASD Technology Education Certificate** is awarded to students who successfully complete a minimum of 30 credits, including compulsory academic subjects, and vocational requirements.

The Senior Years **SJASD French Immersion Diploma** is awarded to students who earn a minimum of 30 credits in grade 9 to grade 12 including a minimum of 14 credits earned in courses where the French is the language of instruction, and who complete all the other requirements for graduation. French Immersion students must complete the compulsory English Language Arts courses in grade 9 to grade 12. In grade 9, Français, Mathématiques, Sciences humaines, and sciences de la nature are required subjects. In grade 10, Français, Mathématiques, Sciences de la nature and Géographie are required subjects. In grade 11, Français, Mathématiques and at least one other French Immersion course are required. In grade 12, required subjects include Français and at least two other courses taken in French.

The **International Baccalaureate (IB) Diploma** is a comprehensive pre-university course for academically motivated students. This program is offered at both Collège Sturgeon Heights Collegiate and Westwood Collegiate. It is a sophisticated two-year curriculum offered to over half a million students in 119 countries. The curriculum aims to encourage critical thinking by the study of traditional disciplines while encouraging an international perspective. Assessment is varied and takes place over two years with final exams in each subject. Student's work is assessed by an international board of examiners monitored by the International Baccalaureate Organization (IBO). Subjects are scored on a 1 to 7 scale with a further three points available for the Theory of Knowledge and the Extended Essay. Students who display good levels of performance and achieve a minimum of 24 points (out of a possible 45) are awarded the diploma. All others receive a certificate for each of the subjects completed.

The **International Baccalaureate Bilingual Diploma** (French Immersion) offered at Collège Sturgeon Heights Collegiate is designed for students who wish to graduate with a Manitoba French Immersion diploma as well as with a Bilingual IB Diploma. To obtain the IB Bilingual Diploma, students would complete the IB requirements and complete their Language A2 program in French. Language A2 is a program and assessment designed for fluent speakers with a high level of competence in that language, i.e. French Immersion students.

The **Advanced Placement (AP) program**, offered at John Taylor Collelegiate and St. James Collegiate, provides special opportunities to those students who wish to study university topics in a high school setting. This program of college-level courses and exams was designed to allow the successful student to receive some credit and /or standing on entering university. Both high schools have selected Biology, Chemistry, English Literature, English Language, Calculus AB, and Psychology as courses to be offered, depending on enrollment. Historically, students have chosen to enroll in AP courses for other reasons as well; some wanted to further their knowledge in a specific field of academic achievement, others wanted a working knowledge of material taught at university, and still others just wanted to enjoy a subject for its challenge. Regardless of the reason for taking AP, students are able to enjoy the flexibility of focusing on the subjects that are of interest to them. All AP candidates will be expected to write an externally set and marked examination, which consists of multiple choice and essay questions.

St. James-Assiniboia School Division Community Activity Service Certificate

This certificate is awarded to students who complete a minimum of 40 hours of unpaid community involvement before graduating. The 40 hours can be completed in one year or spread out over the grade 9 to grade 12 years. Community Service Hours and the requisite credit count are required to attain a St. James-Assiniboia School Division diploma. Community Service Hours are also required to be considered for any SJASD School Board bursary or award.

Participating in community involvement activities enriches the lives of all students. It provides developmental opportunities that promote personal, social and intellectual growth, as well as civic responsibility and career exploration. Many favourable results occur in each of the aforementioned activities.

These include:

- developing self-confidence and self-esteem
- openness to new experiences and roles
- ability to take risks and accept challenges
- a sense of usefulness and purpose
- ability to work cooperatively with others
- a sense of caring for others
- acceptance and awareness of others from diverse backgrounds
- critical thinking skills
- a sense of responsibility to contribute to society
- awareness of community needs
- human service skills

Information on the community involvement graduation requirement for students and parents, as well as for the persons and organizations who are asked by students to sponsor a particular community involvement activity is available on our website, www.sjasd.ca in our policy manual.

Students will select one or more community involvement activities in consultation with their parents. Selection of activities should take into account the age, maturity, and ability of the student, the location and environment of the proposed activity, and the need for any special training, equipment, and preparation. The safety of the student is paramount.

It should be noted that students will not be paid for performing any community involvement activity. A parent is not required to sign a form or to be consulted if the student is 18 years of age or older.

Principals are required to provide information about the community involvement requirement to parents, students, and community sponsors. Principals are also required to provide students with the information and forms they will need to complete the community involvement requirement, including the list of ineligible activities.

Registration

1. General Information

- a. Students/parents registering during February will be supplied with a blank registration form. A parent/guardian signature is required on this form.
- b. Students registering at other times must make an appointment for an interview with the Principal. They must bring with them a transcript of previous marks, and an attendance profile.
- c. Students new to Manitoba must have their standing assessed by an administrator prior to completing registration. New students must be accompanied by a parent/guardian upon registration. Additional proof of residence documentation (eg. birth certificate; MB Health card, lease agreement, driver's license) may be required.
- d. Students from Out-of-Division must apply online at www.sjasd.ca
- e. Planning Guides for each program have been included for your convenience.

2. Special Notes

- a. Give careful consideration to courses selected. In many instances it may be impossible to make alternate choices later. Selections made during the registration period will determine the courses offered for the next school year. Timetable changes will be considered based on individual needs and space availability.
 - i. Grade 9 and 10 students are recommended to be fully timetabled for both semesters (no spares).
 - ii. All grade 11 and 12 students are expected to register for a minimum of six credits, but eight is recommended.
- b. It may be necessary to restrict the number of students in a course or to cancel a course if the number of registrations is low.

Course Selection

The Senior Level course numbering system is made up of a minimum five character, alphanumeric code. The first and second characters are letters, the third and fourth are numbers and the remaining characters are letters.

First Two Characters

These first two characters are each letters, which are used as a course description:

MA - Math EN - English SC – Science SS - Social Studies HI – History PE – Physical Education
GE - Geography

Third Character

- 1 - courses developed for grade 9
- 2 - courses developed for grade 10
- 3 - courses developed for grade 11
- 4 - courses developed for grade 12

Fourth Character

- 0 - courses developed or approved by the province for 1 credit
- 5 - courses developed or approved by the province for 1/2 credit
- 1 - courses developed by a school or division and approved or registered by the province
- 2 - courses developed elsewhere and approved or registered by the province
(e.g. university, out-of province, and out-of-country)

Fifth Character

Courses in each subject are identified as foundation, general, specialized, advanced, modified, individualized, or English as an Additional Language.

F – Foundation: educational experiences, which are broadly based and compulsory for all students.

The following courses have been designated as Foundation Courses: EN10F, SC10F, MA10F, PE10F, SS10F, EN20F, GE20F, PE20F, SC20F, HI30F

G - General: general education experiences for all students.

S – Specialized: educational experiences in specialized areas leading to further studies beyond high school.

M – Modified: educational experiences intended for students with specific cognitive disabilities and where the provincial subject area curriculum outcomes have been modified to take into account the learning requirements of a student; an Individual Education Plan (IEP) is required for each student.

I – Individualized: educational experiences intended for students with significant cognitive disabilities and are developmentally and age appropriate and highly individualized to take into account the learning requirements of the student; an Individual Education Plan (IEP) is required for each student.

E – EAL: educational experiences designed to assist students for whom English is not a first language in making a transition into the English program.

IB – International Baccalaureate

PB – Preparation for International Baccalaureate Programme

X – French Immersion

EX: SC10F

SC	1	0	F
Science	Developed for Grade 9	Developed or approved by the province for 1 credit	Foundation: educational experiences, broadly based and <i>compulsory</i> for all students

EX: HA11G

HA	1	1	G
Hockey Academy	Developed for Grade 9	Developed by a school or division and approved or registered by the province	General: general education experiences for all students

Sixth and Subsequent Characters

When used, will assist in further describing the course name.

i.e. **H** – Preparation for Advanced Placement Program

High School Arts and Vocational Courses Identification

EX: VA10SS

VA	1	0	S	S
Visual Arts	Developed for Grade 9	Developed or approved by the province for 1 credit	General: general education experiences for all students	Letter is repeated as it is a new course in PowerSchool

Important Note

- All School-Initiated Courses (SIC) will ONLY run if approved by the Department of Education.
- All Student-Initiated Projects (SIP) will ONLY run if approved by the Department of Education.

School Board Awards

GOVERNOR GENERAL'S MEDAL

This **BRONZE** medal is a nationally recognized honour and therefore the most prestigious award a student can receive in SJASD. It is awarded to the student who achieves the highest average upon graduation from a secondary school. The average includes all grade 11 and 12 courses as listed on the student's official transcript of grades issued by the school. The average cannot be anticipated, it must be calculated based on final results after provincial/territorial examinations, where Manitoba Education requires final exams. Equitability of access for the entire student population is an important aspect of the Medal's value. Regardless of the stream or the subjects chosen, all students are eligible for consideration upon graduation. Courses taken after graduation to upgrade marks are not to be included.

AWARD OF EXCELLENCE

The St. James-Assiniboia Award of Excellence is presented to the Grade 12 graduate in each senior years school who attains the highest average in the following courses totaling six credits: one English 40S (which contains the Provincial exam), Math 40SA or SP, and any four Grade 12 Level S courses with a maximum of two courses from any department. For French Immersion students only, Français 40SX may replace the English 40S. Only full one-credit courses are to be counted. Only courses taken in the St. James-Assiniboia School Division may be used to calculate the average. Provincial exam results are to be used in average calculation. In the event of a tie, the highest average of the English 40S/ Français 40SX course which contains the Provincial exam results and Math 40SA or SP is to be used.

ACADEMIC SCHOOL BOARD CASH AWARDS

1. School Board cash awards allocated to Academic and Technology areas are awarded to students with the highest averages. To be eligible a student must:
 - be graduating if in grade 12.
 - have at least a 70% average based on courses at the current grade level. (Note: courses at the current grade level, but taken in previous years may be used)
 - must have no failing subjects in the current school year.
 - must have completed the minimum 40 hours of Community Involvement Activity (CIA)
2. Averages are to be based on:
 - the required courses as defined by the School Division.
 - a minimum of 7 credits at the grade 9 level, a minimum of 6 credits at the grade 10 level, a minimum of 6 credits at the grade 11 level, and a minimum of 6 at the grade 12 level, with the exception of the technology award where 6 credits in grade 12 courses are required.
3. Students are only eligible for awards at their current grade level.
4. Winners of a School Board cash award for the Academic area must include:
 - Grade 9 – a minimum of 7 grade 9 credits
 - Grade 10 – a minimum of 8 credits of which at least 6 are in grade 10 subjects
 - Grade 11 – a minimum of 6 credits in grade 11 subjects
 - Grade 12 – a minimum of 6 credits in grade 12 subjects for a grade 12 award with the exception of Technology Award where 6 credits in grade 12 subjects are required
5. All courses will be weighted according to their credit value in the calculation of an average.
6. All awards will be based on final marks.
7. Students who have previously graduated and have returned to take additional credits are not eligible for School Board cash awards.
8. Students transferring in from another St. James-Assiniboia school at the beginning of the second semester will be eligible for a School Board cash award.
9. Students transferring in from any school outside St. James-Assiniboia will only be eligible for School Board cash awards if the transfer occurs in the first semester and only if all criteria are met.
10. Exchange students and International Program students are not eligible for School Board cash awards.
11. Student marks received in an Independent Study Program, Continuing Education, evening school or intersession, and any Summer School courses are not to be used towards a School Board cash award.

Vocational Education Across High Schools in St. James-Assiniboia School Division

The mission of St. James-Assiniboia School Division is to provide a meaningful, safe and caring educational environment so that all students are prepared to be responsible citizens in a democratic society. To this end, as a school division, we are continuously exploring innovative ways to provide programming for our students so that they can choose to stay in their neighbourhood schools.

Online Learning in St. James-Assiniboia School Division

Any high school student currently enrolled in St. James-Assiniboia School Division may register for online courses offered by InformNet (www.informnet.mb.ca).



Online learning through InformNet provides students with daily instruction, assignments and evaluation through regular email and web-based interaction from a certified high school teacher. The student's home school provides the course credit when subject requirements are met.

InformNet Course Listing for 2019-2020

First Semester Courses	Second Semester Courses
<ul style="list-style-type: none"> • ELA 10F • Science 10F • Social Studies 10F • Physical Education 10F • Math 10F • Geography 20F • Science 20F • Math: Essential 20S • Career Development: Life/Work Planning 20S • ELA 20F • Physical Education 20F • Math: Essential 30S • History 30F • ELA Comprehensive Focus 30S • Physical Education 30F • Math: Essential 40S • Math: Pre-Calculus 30S • Applied Math 30S • Accounting 30S • ELA Comprehensive Focus 40S • Psychology 40S • Physics 30S • Computer Science 30S • Computer Science 40S 	<ul style="list-style-type: none"> • Science 10F • Social Studies 10F • Physical Education 10F • Geography 20F • Science 20F • Math: Introduction to Applied and Pre-Calculus 20S • Career Development: Life/Work Planning 20S • Physical Education 20F • History 30F • Biology 30S • Chemistry 30S • Physical Education 30F • Applied Math 40S • Math: Pre-Calculus 40S • Chemistry 40S • Biology 40S • ELA Transactional Focus 30S • ELA Transactional Focus 40S • Physical Education 40F • Global Issues 40S • Law 40S • Physics 40S • Psychology 40S
	<p>Please visit the InformNet website (www.informnet.mb.ca) for updated information and/or see your school counselor.</p>

Online learning is not for everyone. It is an opportunity given to students who cannot get into a course offered at their school, need a credit required for graduation or would like to try a course not offered at their home school. "The guidance counselor and school administration can limit access to online courses if a student's academic progress may be hindered by learning in an online environment based on specific factors.

All interested students are encouraged to contact their school counselor and/or school administration for registration information.

Compulsory Core Courses

The following section contains the five core subject areas: English, Mathematics, Science, Social Studies and Physical Education. All of the following courses can be taken at any of the high schools. Each school may have additional courses in each of the subject areas. You will need to go to each individual school's section of the handbook to view all of the additional courses that each school has to offer.

ENGLISH LANGUAGE ARTS

FOUNDATION COURSES – GRADE 9 AND 10

ENGLISH - EN10F

This is an integrated, theme-based course designed to provide students with a solid foundation of literacy skills, knowledge, and learning strategies. The course emphasizes reading comprehension, personal and critical response, and interpretation of a variety of text forms. Students also learn to collect, organize, and synthesize information through research and inquiry processes.

In the 10F course, students express their ideas using the six English language arts of reading, writing, listening, speaking, viewing, and representing. Particular emphasis is placed on written communication, including exploration, examination, and analysis of the structure of sentences, paragraphs, essays, and longer fiction and non-fiction text. English 10F occurs every day for both semesters.

ENGLISH - EN20F

This is the second of the two foundation courses and completes the literacy skills, knowledge, and learning strategies begun in English 10F. The course continues to emphasize reading comprehension, personal and critical response, and interpretation of various text forms; text forms include short prose, poetry, novels, and Shakespearean plays. Students continue learning to collect, organize and synthesize information through research and inquiry processes. Written communication skills continue to be a focus in EN20F. Students create various texts to demonstrate their ability to address a specific audience, for a specific context and purpose.

FOCUS COURSES – GRADE 11 AND 12

In grade 11 and 12, students choose one of three English curriculum focus courses to meet graduation requirements. These courses include the Literary Focus, the Transactional Focus, and the Comprehensive Focus. Unlike English language arts courses in the grades before Grade 11, Grades 11 and 12 courses offer different specializations based on the purposes for reading, writing, listening to, speaking, viewing, and representing texts. The Comprehensive Focus course covers a variety of purposes and provides an equal amount of time on working with texts for pragmatic (50%) and aesthetic (50%) purposes. The Transactional Focus course gives more weight to experiencing texts for pragmatic (70%) rather than aesthetic (30%) purposes. The Literary Focus course places more emphasis on working with texts for aesthetic (70%) rather than pragmatic (30%) purposes. Each of these courses is different from but equivalent to the others, and you can complete any or all of the three for credit.

What are aesthetic and pragmatic purposes?

Aesthetic is defined as a principle of taste (beauty) or style adopted by a particular person, group, or culture. Aesthetic works include: poetry, plays, novels, and short stories. For example, a student will read and analyze works of literature in terms of literary elements such as symbols, metaphors, similes or irony and explain how these are important in a literary piece.

Pragmatic is defined as of or relating to a practical point of view or practical considerations. Pragmatic writing includes: resumes, letters, speeches, and research essays. For example, students will learn how to write a cover letter and a proper resume.

Note: Each course will require the study of aesthetic and pragmatic pieces and purposes, but the focus of each is different.

All of the three focuses satisfy university entrance requirements. Students at the grade 12 level are required to write the Provincial ELA Standards Test, usually at the end of the first semester.

ENGLISH COMPREHENSIVE FOCUS - EN30SC

This course addresses the learning outcomes identified by the provincial curriculum for the grade 11 Comprehensive Focus. Students read and respond to a balance of pragmatic and aesthetic texts. For example, transactional or non-fiction texts are used for practical, every-day purposes, while literary texts are used for aesthetic, expressive, and creative purposes.

ENGLISH LITERARY FOCUS - EN30SL

The Grade 11 Literary course provides students with the opportunity to explore novels, plays, short stories and poetry. The course examines how writers use techniques or devices in their works, and more importantly, the effects these techniques have on the reader.

ENGLISH TRANSACTIONAL FOCUS – EN30ST

The grade 11 transactional provides students with the opportunity to create and reflect upon personal goals and begin examining career choices. They also have the opportunity to create connections and explore the inquiry process through research. All of these skills are explored using a variety of materials that include novels, poetry and non-fiction texts.

ENGLISH COMPREHENSIVE FOCUS - EN40SC

This course addresses the learning outcomes identified by the provincial curriculum for the grade 12 Comprehensive Focus. Students read and respond to a balance of pragmatic and aesthetic texts at a more advanced level than the grade 11 course.

ENGLISH LITERARY FOCUS - EN40SL

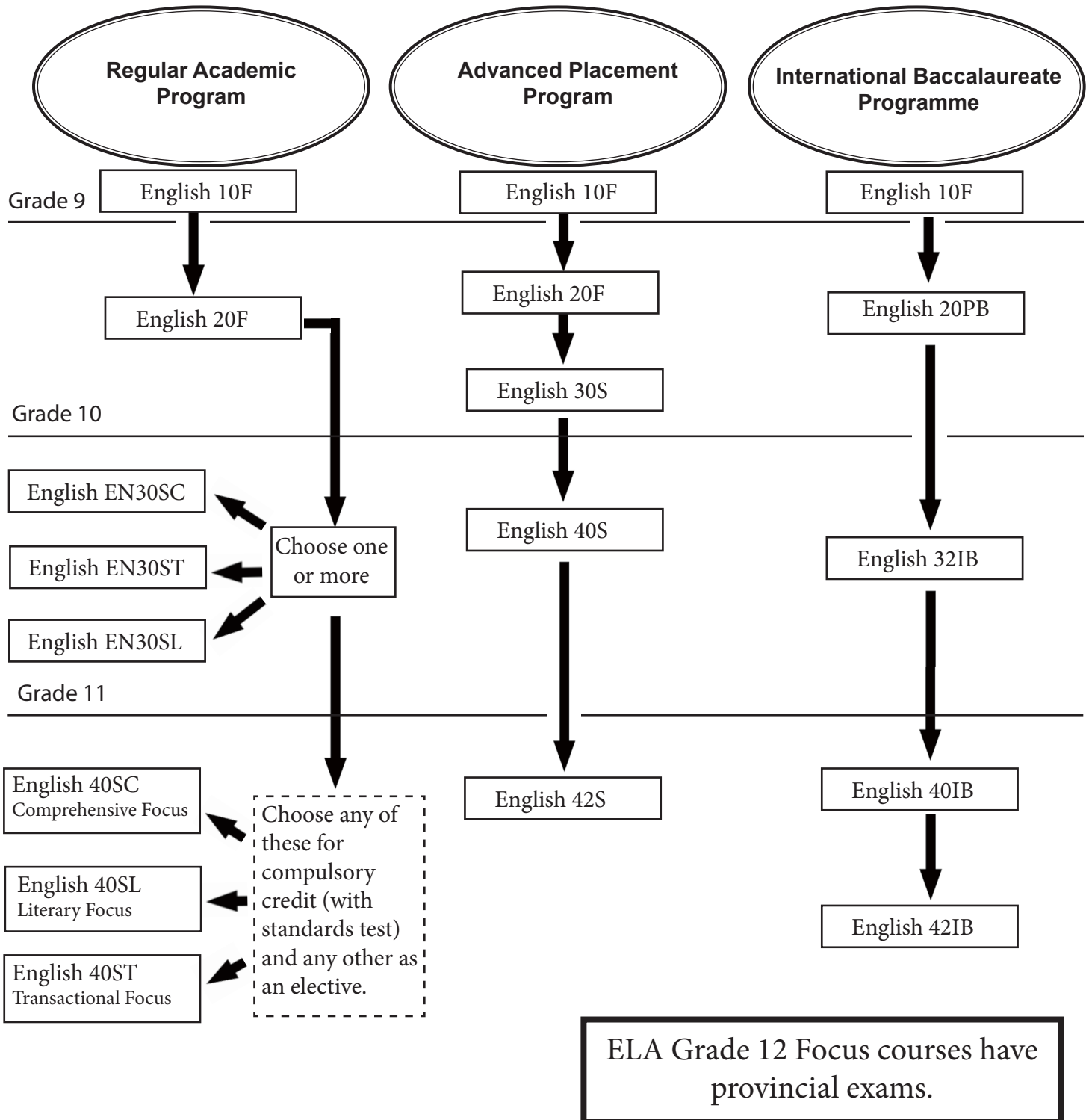
This course addresses the learning outcomes identified by the provincial curriculum for the grade 12 Literary Focus. Students read and respond primarily to literary or aesthetic text forms - including poetry, short prose, Shakespearean plays, and novels - at a more complex and deeper level than at the grade 11 level.

ENGLISH TRANSACTIONAL FOCUS - EN40ST

This course addresses the learning outcomes identified by the provincial curriculum for the grade 12 Transactional Focus. Students read and respond primarily to transactional, pragmatic, or functional texts at a more advanced level than at the grade 11 level.

English Language Arts

* Students may change program at any time.



MATHEMATICS

Grade 9

MATHEMATICS FOUNDATIONS - MA10F

This course provides the foundation for the various mathematics courses at the grade 10 level. The course includes, but is not limited to, statistics, probability, measurement, algebra, geometry and problem solving.

Grade 10

MATHEMATICS ESSENTIAL - MA20SS

Grade 10 Mathematics Essential is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Mathematics Essential topics emphasize consumer applications, problem solving, decision-making, and spatial sense. Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in everyday life in a technological society.

MATHEMATICS INTRODUCTION TO APPLIED AND PRE-CALCULUS - MA20SPA

The grade 10 introduction to Applied and Pre-Calculus is intended for students considering post-secondary studies that require a math pre-requisite. The topics studied form the foundation for topics to be studied in both grade 11 Applied and 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.

Grade 11

MATHEMATICS APPLIED - MA30SA

This is one of two math programs available for students planning to pursue post-secondary studies in mathematics and science. It is intended for students whose post-secondary studies do not require the study of theoretical calculus. The math studied promotes the learning of problem solving skills, number skills and geometry skills as they relate to the world around us.

Topics include:

- Quadratic Functions
- Proofs
- Statistics
- Systems of Inequalities
- Mathematics Research Project
- Trigonometry

MATHEMATICS ESSENTIAL - MA30S

This course is intended for students whose post-secondary planning does not include a focus on mathematics and science related fields. This is a one credit course comprising two half credits, each emphasizing consumer applications, problem-solving and decision making, as well as number sense and spatial sense.

Students are expected to work both individually and in small groups on mathematical concepts and skills encountered and used in a technological society.

Topics include:

- Analysis of Games and Numbers
- Interest and Credit
- 3-D Geometry
- Statistics
- Managing Money
- Relations and Patterns
- Trigonometry
- Design Modeling

MATHEMATICS PRE-CALCULUS - MA30SP

This course is designed for students who intend to study calculus and related mathematics as part of a post-secondary education. The course comprises, primarily, a high-level of theoretical mathematics with an emphasis on problem solving and mental mathematics, supported by cumulative exercises and testing.

Students are required to learn mathematical concepts through practice and regular homework. Many of the questions and problems on exercises, tests and examinations can be expected to be different from those presented in class.

Topics include:

- Quadratic Equations and Functions
- Radicals & Rationals Equations and Expressions
- Sequences
- Inequalities
- Algebra
- Trigonometry
- Relations and Functions

Grade 12

MATHEMATICS APPLIED - MA40SA

This course is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It is context driven and promotes the learning of numerical and geometrical problem solving techniques as they relate to the world around us.

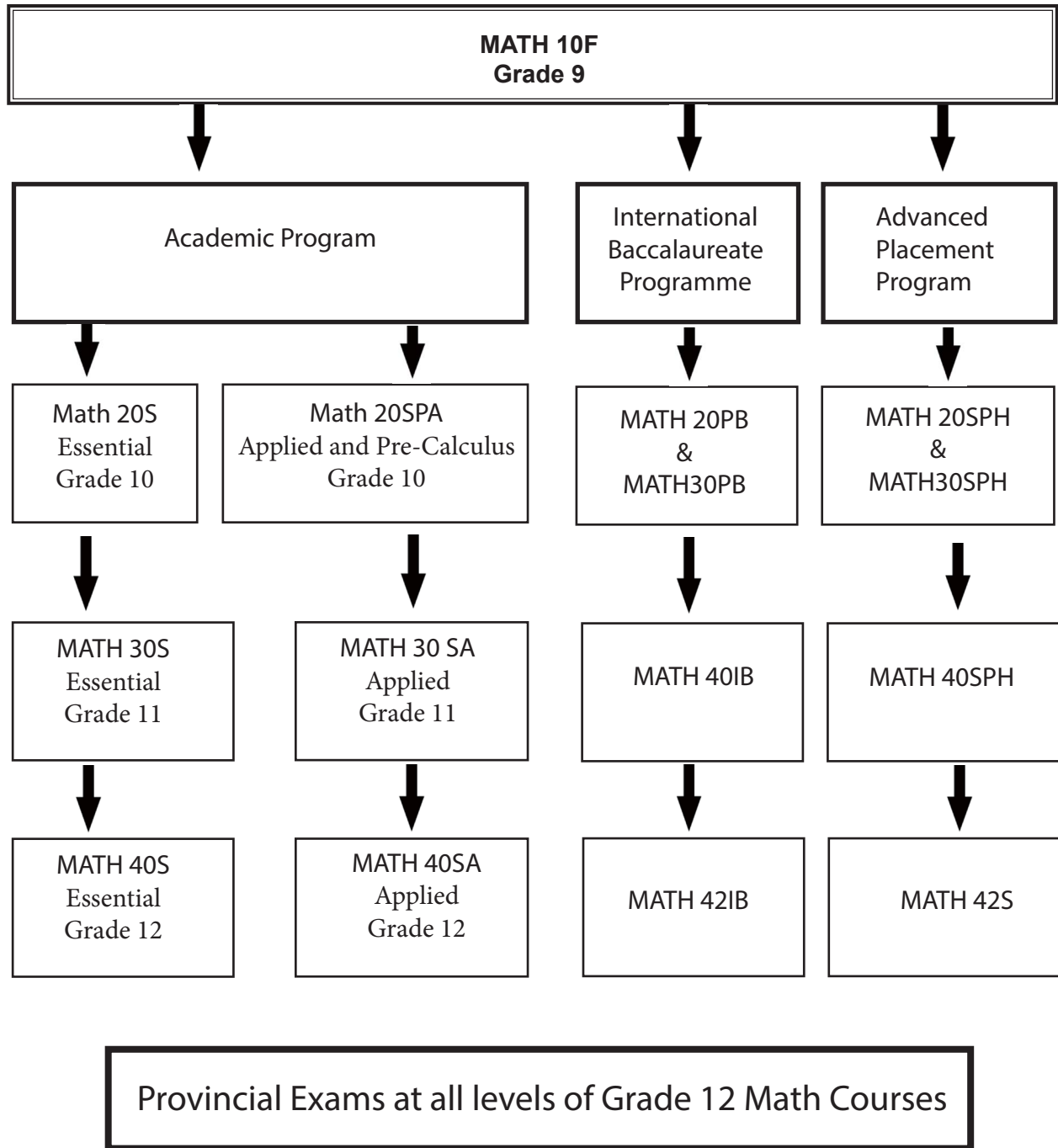
MATHEMATICS ESSENTIAL - MA40S

This course is intended for student whose post-secondary planning does not include a focus on mathematics and science- related fields. Grade 12 essential Mathematics (40S) is a one-credit course consisting of two half-credits each emphasizing consumer applications, problem solving, decision-making, and spatial sense.

MATHEMATICS PRE-CALCULUS - MA40SP

This course is designed for students who intend to study calculus and related mathematics as part of post-secondary education. It builds on the topics studied in Grade 11 Pre-calculus Mathematics and provides background knowledge and skills for the study of calculus in post-secondary institutions.

Mathematics Programs Recommended Pathways



NOTE:

More than one mathematics course may be taken at each grade level for more than 1 credit. (For example a student may take both MA20S and MA20SPA (for a total of 2 credits)

SCIENCE

SCIENCE FOUNDATION - SC10F

SC10F is divided into four major units: Reproduction, Atoms and Elements, Nature of Electricity, and Exploring the Universe. The Reproduction unit involves the study of human reproduction and genetics. Atoms and Elements is an introduction to the basics of chemistry. The Nature of Electricity unit has students investigating static and current electricity. Exploring the Universe leads students through an exploration of the universe and the study of space science and technology.

SCIENCE FOUNDATION - SC20F

The SC20F program is composed of four major units: Dynamics of Ecosystems, Chemistry in Action, In Motion, and Weather Dynamics. Dynamics of Ecosystems has students examining ecosystem relationships, population dynamics, biodiversity and how human activities affect ecosystems. The Chemistry in Action unit is a continuation from SC10F's Atoms and Elements. Students will study chemical reactions, nomenclature basics, principles of acid-base chemistry, and the effects of chemical use in the environment. Basic kinematics along with the concepts of inertia, force, impulse and momentum are looked at during the In Motion unit. The complex relationships that influence weather and climate are pursued in the Weather Dynamics unit including the impact of human activities on our global climate.

BIOLOGY - BI30S

Students in BI30S will study the Human Body with respect to homeostasis, digestion and nutrition, the respiratory system, excretion and waste management, concluding with the immune and nervous system. Students will also look at how technology has affected the wellness of the human body and resulting social issues.

CHEMISTRY - CH30S

Using the kinetic molecular theory, students will look at physical properties of matter, including phase changes and vaporization. Students will also be studying physical characteristics of gases, gas laws, chemical reactions, stoichiometry, solutions and their physical characteristics, and organic chemistry including IUPAC nomenclature. Included in their studies will be a look at how chemistry has affected our quality of life.

PHYSICS - PH30S

The PH30S course is divided into four major areas: Waves, Nature of Light, Mechanics and Fields. Some of the concepts studied in waves are the physical characteristics of waves, superposition of waves and wave interference. The concept of waves continues into the Nature of Light where light is looked at in terms of its wave characteristics and particle characteristics. Carrying on from the SC20F program, students will continue the study of kinematics during the Mechanics unit. To complete and overview of basic physics, students will address the concept of fields with respect to gravitational, magnetic, electric and electromagnetic fields. Included in their studies will be a look at how the relationship between physics and science and technology has influenced our quality of life.

SCIENCE CURRENT TOPICS - SC30S

Multidisciplinary topics based on current issues serve as the organizing themes for this course, in which scientific knowledge and its implications are presented in a unified manner, integrating the areas of biology, chemistry, physics, the geosciences and the space sciences. The course shifts the focus from teaching concepts and facts to teaching critical thinking and problem-solving skills developed through the study of a particular topic, from which key concepts and facts will evolve naturally from the context at hand.

BIOLOGY - BI40S

In this course, students are exposed to foundation concepts regarding the Biology of the world around us. The interdependence of life is a recurring theme in the course work. Students are expected to integrate information gained in previous units and apply that information throughout the semester. Topics of study include Ecology, Biological Diversity and Genetics. Specific emphasis will be placed on the use of Biotechnology including; genetically modified food, forensics, recombinant DNA technology, Human Genome Project and Gene Therapy.

CHEMISTRY - CH40S

Chemistry 40S students in this very comprehensive course will study five units consisting of Kinetics, Chemical Equilibrium, Acid-Base Equilibrium, Solubility Equilibrium and Oxidation-Reduction. Within these units, concepts such as factors affecting reaction rates, Le Chatelier's Principle, pH, buffers and electrochemical cells are a few that will be addressed. Throughout the program, students will gain an understanding of observation and inference in this experimental science.

PHYSICS - PH40S

Students in this very comprehensive course will study four units consisting of Mechanics, Fields, Electricity and Medical Physics. Students will have been exposed to the elementary concepts of these units in PH30S and apply them to such new concepts as projectile motion, circular motion, work and energy, low Earth orbits, electric circuits and radiation. Throughout the program, students will gain an understanding of how science, technology and the environment are related in a physical sense.

SCIENCE CURRENT TOPICS - SC40S

SC40S is the complement course to SC30S with concentration on topics in society, science and the environment. SC40S topics based on current issues; serve as the organizing themes for this course, in which scientific knowledge and its implications are presented in a unified manner, integrating the areas of biology, chemistry, physics, the geosciences and the space sciences.

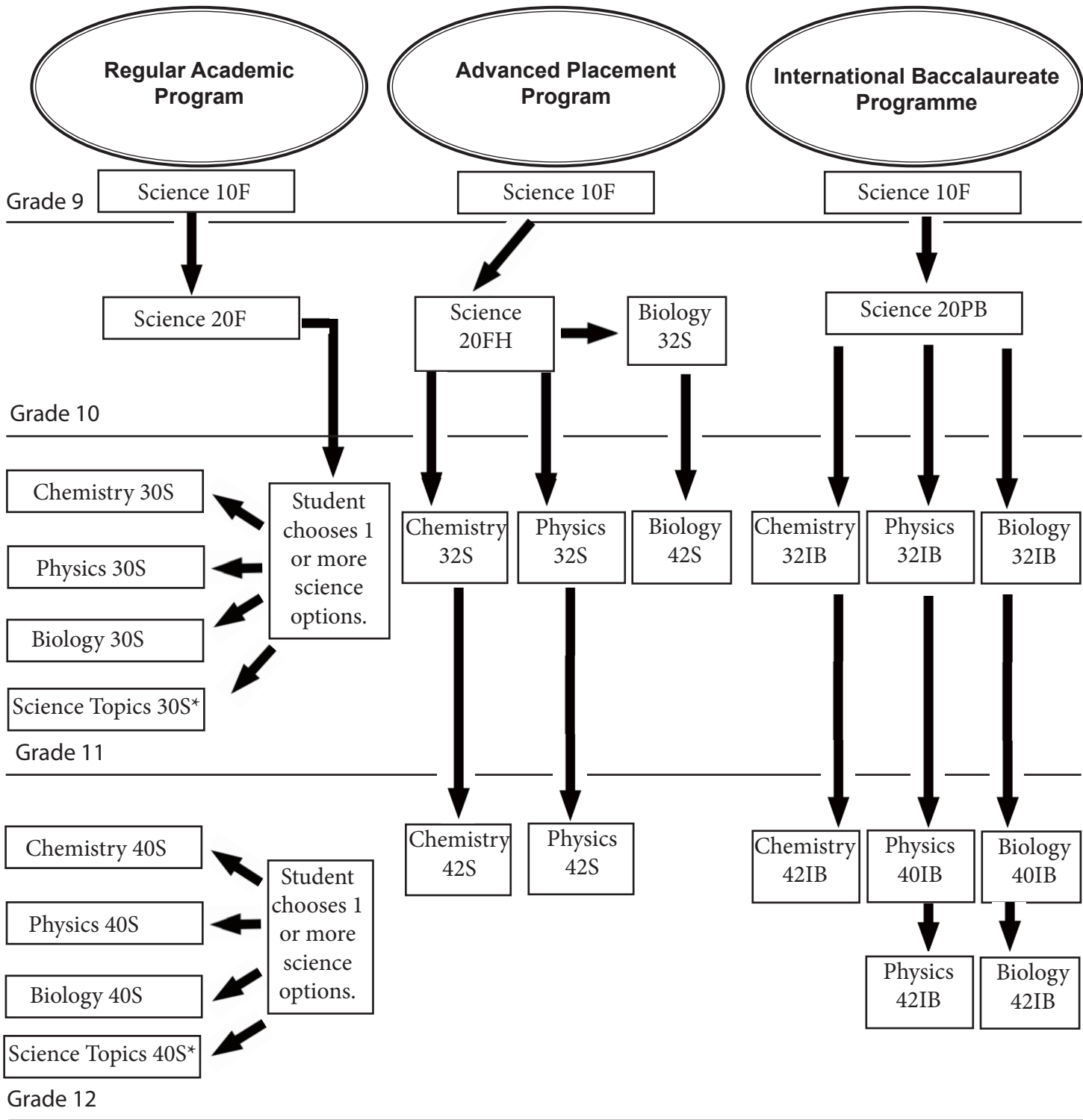
PSYCHOLOGY - PY40S

Psychology is the scientific study of behaviour and mental processes. It uses the scientific method to discover ways of understanding the complexities of human thought and behavior, as well as differences among people.

Studying psychology gives students lifelong skills such as dealing with issues proactively, solving problems, learning, and nurturing healthy relationships. It helps students understand themselves, and deal with issues in their own lives such as inner conflicts, relationships with parents and peers, and intimacy. It also helps students understand societal problems like addiction, violence, and prejudice.

This course exposes students to the major topics found in the field of psychology. It also emphasizes the issues that are of particular direct interest and relevance to students completing high school.

Science Programs



- Science Topics courses may not be recognized by post-secondary schools as a “science” requirement.
- In the AP program SC20FH includes advanced topics in Biology Chemistry and Physics that gives students a head start on their grade 11 science courses (BI32, CH32 and PH32) and better prepares them for the grade 12 Advanced Placement Science course. The Chemistry, Biology and Physics 42 courses are the equivalent of CH40S, BI40S and PH40S for scholarship purposes and university entrance and acceptance.

SOCIAL STUDIES

CANADA IN THE CONTEMPORARY WORLD - SS10F

In this course we will learn about how our government works, how people immigrate to Canada and become citizens and what makes us unique as Canadians. In addition, we will examine some basic Canadian geography as well as global issues such as poverty, working conditions in the developing world, war and environmental challenges. In our examination of each issue, we will discuss how we as Canadians can actively respond to these issues. This course is also offered in French where applicable.

GEOGRAPHY - GE20F

The main focus of this course is the environmental and political issues in geography that impact our lives and those of future generations within the context of North America. Major topics of discussion will include: the impact of energy use on our planet; sustainable development; issues related to trade and industry; food production and related issues; population growth and city planning; use of Global Positioning Systems and Geographic Information Systems. This course is also offered in French and as preparation for the IB program.

HISTORY OF CANADA - HI30F

This course engages students in historical inquiry and asking essential questions to focus on Canada from pre-contact times until the present. Canadian History emphasizes important skills and concepts in historical thinking and focuses on five major themes: First Nations, Métis and Inuit Peoples, French-English Duality, Identity, Diversity and Citizenship, Governance and Economics, and Canada and the World.

HISTORY OF WESTERN CIVILIZATION - HI40SW

Topics of study will focus on events that have impacted our society today. These will include an in-depth examination of Greek and Roman History, the founding of Western Religions, the Renaissance and Reformation, the French Revolution and Napoleon, and major events of the Twentieth Century including WWI and WWII.

LAW - LW40S

This course introduces students to all aspects of the Canadian justice system; however the primary focus is on criminal law. From arrest procedure to young offenders and the dilemmas of imprisonment, this course is taught using a variety of formats including case studies, debates, mock trials, guest speakers, and a visit to the law courts. Law 40S is an excellent foundation for students interested in pursuing criminology courses at the college or university level.

GLOBAL ISSUES: CITIZENSHIP AND SUSTAINABILITY – GI40S

Students examine the social, political, environmental and economic impact of a variety of current and emerging world issues such as media awareness, human trafficking, genocide, sustainability and gender issues. Students will also consider how every individual is connected to global issues. Part of their study will focus on quality of life locally, nationally and globally. Students will also choose a global issue and take action in their school or wider community. This course was formerly known as World Issues.

PHYSICAL EDUCATION

PHYSICAL EDUCATION - PE10F

The intent of the 10F course is to help Senior Years students develop the necessary skills for lifelong physical activity participation and provide students with the necessary knowledge to assist them in making appropriate decisions regarding the health issues facing youth. The skills acquired in this course are based on the fourteen basic movement skills and the five personal and social management skills in a combined and integrated approach blending physical education and health education.

PHYSICAL EDUCATION - PE20F

The intent of the 20F course is to help Senior Years students develop the necessary skills for lifelong physical activity participation and provide students with the necessary knowledge to assist them in making appropriate decisions regarding health issues facing youth. Topics such as fitness management, goal setting, cooperation, time management, and a myriad of physical and health related skills are taught under the five General Learning Outcomes of Movement, Fitness, Safety, Personal and Social Management and Healthy Lifestyle practices.

PHYSICAL EDUCATION - PE30F

This compulsory full-credit course is designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and engage in active lifestyles into their futures. Students will study topics related to fitness management, mental health, substance use and abuse prevention, and the social impact of sport. The focus of this content will be on health and personal planning.

PHYSICAL EDUCATION - PE40F

This compulsory full-credit course is designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them and engage in active lifestyles in the future. Students will study topics related to fitness management, nutrition, sexual health, social/emotional health, and personal development. The focus of this content will be on health and personal planning.

Delivery models for PE30F and PE40F may look different between high schools. Please see the individual school programs for information on how they are delivering these programs.

CAREER DEVELOPMENT LIFE/WORK COURSES and CAREER EDUCATION

These credits offer learning experiences to help students plan and embark on their career development journey. The learning experiences help students increase their self-awareness, gain exposure to experiential career learning, develop essential personal skills and employability skills, acquire knowledge of labour market opportunities, learn about workplace health and safety practices, and deepen their understanding of the relevance of education and academic skills development and engagement.

The career development journey can be depicted as a “hiking journey,” and the resources, tools, skills and attitudes students develop along the way, and the knowledge and experience they gain, can be represented by the hiking icons below.



Grade 9 Career Development Life/Work Exploration (15S/15E/15M—0.5 cr.) (10S/10E/10M—1.0 cr.)*

The compass represents a resource for helping students find direction in exploring the world of work as they begin their career development journey. Students increase their self-awareness and develop skills in personal management and career exploration while learning about their interests, skills, personality traits and values.



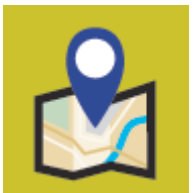
Grade 10 Career Development Life/Work Planning (25S/25E/25M—0.5 cr.) (20S/20E/20M—1.0 cr.)*

The backpack represents a resource students use to plan for their career development journey by “packing” the right skills, goals, education, and career and community experiences. Students plan for their high school career, selecting the courses and programs of interest to them and developing the skills to prepare for post-secondary education and training.



Grade 11 Career Development Life/Work Building (35S/35E/35M—0.5 cr.) (30S/30E/30M—1.0 cr.)*

The tent represents the focus on building career skills. It symbolizes the establishment of a foundation and a starting point for further career development. It also represents the need to build skills required for life and career transitions. The protection provided by the tent symbolizes the guidance and support offered by teachers, parents/guardians and employers.



Grade 12 Career Development Life/Work Transitioning (45S/45E/45M—0.5 cr.) (40S/40E/40M—1.0 cr.)*

The map represents the self-directed skills students have established in taking charge of their own career development journey. The map symbolizes individuals looking toward their future career while reflecting on and developing a personal plan or portfolio. Learning to read a map represents the learning required to read and follow labour market information and career trends.



Credit for Employment (CFE) (35G/45G—0.5 cr.) (30G/40G—1.0 cr.)

The camping stove represents the spark and creative expression of youth participating in paid employment, with the support of parents/guardians, employers and educators. It represents the replenishment required along an individual’s career development journey and the enrichment of work and career for personal growth and development.



Community Service Student-Initiated Project (CSSIP)

(11G, 21G, 31G, 41G—0.5 cr. or 1.0 cr.—max. 1.0 cr. in Gr. 9–12)

The water bottle represents students making a contribution by volunteering for worthwhile causes or organizations, assisting people with meeting their important life needs. The civic and transferable knowledge, skills and attitudes obtained can increase students’ self-esteem and maturity, and provide more awareness of the needs of others in the community. Students develop strong character skills and citizenship qualities while exploring career opportunities.

HOCKEY CANADA SKILLS ACADEMY

The philosophy of the St. James Assiniboia Hockey Academy is to provide students different paths to achieve academic and personal success. The program is designed to allow students the opportunity to further develop their hockey skills while not altering or sacrificing the provincial curriculum goals or expectations. The goals of the St. James Assiniboia Hockey Academy are consistent with other officially licensed HCSA franchises from across Canada, and include:



- Development of fundamentally sound hockey skills in individuals regardless of their skill level
- Development of confidence, leadership, and a positive attitude toward self and others
- Building of life skills such as commitment, dedication, accountability and teamwork
- Mentorship, coaching and development of personal fitness program
- Increasing academic achievement through involvement in a school athletic program
- Introduction of new players into the Minor Hockey System

The program is comprised of two components. On-ice skill development includes skating stride, passing and receiving, shooting, simulation and development of game tactics. Off-ice Development places emphasis on improving the overall fitness level of the players, as well as preparing their mind and body for optimal performance and lifelong healthy living.

HOCKEY CANADA SKILLS ACADEMY - HA11G

The course is comprised of two components. On-ice skill development includes skating stride, passing and receiving, shooting, simulation and development of game tactics. Off-ice Development places emphasis on improving the overall fitness level of the students and also includes components such as, Respect in Sport, Floorball, Sport Psychology, Nutrition, and Video Analysis of Skills. St. James Assiniboia Hockey Academy is designed for male or female hockey players wishing to improve their skills regardless of their current skill level.

HOCKEY CANADA SKILLS ACADEMY - HA21G

This course is a continuation of HA11G. On-ice skill development builds on skills taught in HA11G. Off-ice development continues to emphasize the overall fitness level of the players and also includes; acquiring the IP Coaching Level, Floorball, Sport Psych, Nutrition and Video Analysis of Skills. It is designed for male or female hockey players wishing to improve their skills regardless of current skill level.

HOCKEY CANADA SKILLS ACADEMY - HA31G

This course is a continuation of HA21G. On-ice skill development continues to emphasize skill development and builds on skills taught in HA21G. Off-ice development continues to emphasize the overall fitness level of players and also includes; Coach Certification, Floorball, Volunteering to Coach, Sport Psych, Nutrition and Video Analysis of Skills. The course will be offering a coach/mentorship program along with an expectation of students developing a personal fitness program for on-ice conditioning.

HOCKEY CANADA SKILLS ACADEMY - HA41G

The 41G course builds on the previous St. James Hockey Academy courses where both on and off-ice individual skill development continues to be the focus. On the ice, players learn to execute individual skills as well as advanced 3 vs 3 team tactics. In the off-ice program, students are provided with Referee Training, Floorball, Coaching within the Academy, Sport Psych, Nutrition, Video Analysis of Skills, Agility and Strength Training.

For more information on programming visit: <http://sjaha.blogspot.ca/>

Jameswood Alternative School



1 Braintree Cres.,
Winnipeg, MB R3J 1C7
Phone: 204-885-9555

Please visit our website:
<https://www.sjasd.ca/school/jameswood>

Jameswood Alternative School Course Code Listing

Grade 9 Core Courses	Course Code
English 10F	EN10F
Mathematics 10F	MA10F
Physical Education 10F	PE10F
Science 10F	SC10F
Social Studies 10F	SS10F
Grade 9 School Based Options	Course Code
Art 10G	VA10GG
Information and Communication Technology 1	IT15FA
Information and Communication Technology 2	IT15FB
Introduction to Drafting Design Technology 10G	DF10G
Electricity/ Electronics 10G	EL10G
Home Economics 10G	HE10G
Transitional Math 15F	MA15F
Life/ Work Exploration 10S	LF10S
Woodwork Technology	WT15G
Grade 10 Core Courses	Course Code
English 20F	EN20F
Geography 20F	GE20F
Mathematics - Introduction to Applied and Pre- Calculus 20S	MA20SAP
Mathematics Essentials 20S	MA20S
Physical Education 20F	PE20F
Science 20F	SC20F
Grade 10 School Based Options	Course Code
Art 20G	VA20GG
Digital Film Making 25S	DV25S
Digital Imaging 25S	DI25S
Drafting Design Technology 20G	DR20G
Computer Science 20S	CS20S
Life/Work Planning 20S	LF20S
Woodwork Technology	WT20G

Grade 11 Core Courses	Course Code
Biology 30S	BI30S
Chemistry 30S	CH30S
Current Topics in Science 30S	SC30S
English - Comprehensive 30S	EN30SC
English - Literary 30S	EN30SL
English - Transactional 30S	EN30ST
History 30F	HI30F
Mathematics Applied 30S	MA30SPA*
Mathematics Essentials 30S	MA30S
Mathematics Pre- Calculus 30S	MA30SP*
Physical Education 30F	PE30S
Physics 30S	PH30S*
Grade 11 School Based Options	Course Code
Art 30G	VA30GG
Broadcast Media 35S	BM35S
Desktop Publishing 35S	DP35S
Foods and Nutrition 30S	FN30S
Family Studies 30S	FA30S
2D Animation 35S	AN35S
Web Design 35S	WD35S
Computer Science 30S	CS30S
Life/Work Buidling 30S	LF30S
Grade 12 Core Courses	Course Code
Biology 40S	BI40S
Chemistry 40S	CH40S
Current Topics in Science 40S	SC40S
English Comprehensive 40S	EN40SC
English - Transactional 40S	EN40ST
English - Literary 40S	EN40SL
Mathematics Applied 40S	MA40SA
Mathematics Essentials 40S	MA40S
Mathematics Pre Calculus *	MA40SP*
Physical Education 40S	PE40S
Physics 40S	PH40S
Grade 12 School Based Options	Course Code
Art 40S	VA40SS
Family Studies 40S	FA40S
Foods and Nutrition 40S	FN40S
Geography 40S	GE40S
History: Western Civilization	HI40SW
Law 40S	LW40S
Life/Work Transition 40S	LF40S
Computer Science 40S	CS40S
Psychology 40S	PY40S
Global Issues 40S	G140S
High School Apprenticeship Options (8 credits)	HSAO40S
Community Service Credit	CV40S
Cinema as Witness to 20th Century History	CW40S

Other Available Courses

Community Service Student Initiated Project (0.5 credit or 1.0 credit), Vocational Courses offered in other schools within the SJASD (if room available), and Senior Years Apprenticeship Option

Notes:

- ✓ **Courses with * are offered online.**
- ✓ **Courses ending with a 15S, 35S are a ½ credit course, all others are full credit.**

JAMESWOOD

A L T E R N A T I V E S C H O O L

Where attitude matters.

Jameswood Alternative School (JAS) is available to grade 11 and 12 age students who reside in St. James-Assiniboia School Division. In exceptional cases, consideration will be made on an individual basis to accept students at the grade 9 and 10 level. All core courses and a variety of option courses are available. Students are expected to attend on a full time basis. However, student schedules can be adjusted to meet individual needs due to work obligations or family commitments. Students who enroll at JAS have experienced or are experiencing difficulty in their home school. Students who choose to enroll at JAS must be motivated and capable of working in a self-directed, self-paced manner.

JAS is staffed with four teachers and a minimum of two educational assistants. Class sizes are typically kept to a maximum of 14 students. The teachers are subject specialists in the areas of Humanities, ICT/Art, Mathematics, and the Sciences. The classrooms are heterogeneously populated with students who require courses within the teachers' specialty area. The JAS philosophy is to foster a strong connection between each student and one significant adult. Teachers and students are expected to connect on a regular basis.

Education plans are developed for individual students in consultation with all stakeholders, which can include students, their parents/guardians, teachers, and advisors. Students' progress is reviewed on a regular basis. JAS is set up to be flexible to meet the needs of individual students but courses and expectations are set up to be very structured once a plan has been developed for a student.

Jameswood Alternative School Mission Statement

- JAS students will grow to be citizens who demonstrate respect, personal responsibility, and the knowledge and skills to contribute to a democratic and environmentally responsible society.
- JAS students are partners in a "family culture" of collaboration and active involvement, with the belief that everyone matters.
- JAS values acceptance, achievement, opportunity and safety.

Registration Process

Students who are Grade 11 age and older, wishing to register at Jameswood Alternative School (JAS) must live within the St. James-Assiniboia School Division. Enrolling at JAS is an option and privilege for a student and subject to a decision by an "admission committee." The admission committee may include the principal, a teacher, and, when appropriate, senior administration of the SJASD.

Admission is based on both JAS' capacity to serve additional students and the determination that the school's program will be an appropriate option to address the applicant's academic and social/emotional/behavioral needs. Some students who would otherwise meet admission criteria may not be accepted based on a lack of capacity since staffing and space is limited. If space is available, a decision will be made to determine whether the student meets criteria and is likely to be successful in the program. If the student is currently registered at/attending any of the SJASD senior years schools, the first step towards admission is a conversation with the student's assigned guidance counsellor at their current school. If the student is not currently registered at/attending school in SJASD, the first step is a conversation with the JAS administrator. Please call our school office at 204-885-9555.

Coursework Expectation

Students work at their own pace, however ALL students MUST complete a MINIMUM of ONE course per quarter to maintain their placement in the program (i.e. Students enrolling in September would be expected to complete a minimum of 4 credits in the year, students enrolling in April would be expected to complete a minimum of 1 credit for the year). Students are expected to follow the schedule and plan that they have developed. Students who do not maintain their commitment to the program may be required to re-enroll in the program at a later date (space permitting).

Attendance Expectation

Students are expected to maintain excellent attendance based on their school schedule. Students who cannot maintain regular attendance may be required to re-enroll when they are able to do so. "Excellent attendance" means students must be in attendance a minimum of 85% of the time based on their schedule

Student Schedule

A period and course schedule is determined that fits the needs of individual students. Students are usually matched up with ONE teacher. This teacher will act as the student's advisor as the student completes courses within the classroom. A period schedule is shown below.

JAS Class Schedule	
TIMES	MONDAY TO FRIDAY
9:30 AM - 10:35 AM	Course 1
10:35 AM - 10:45 AM	Break
10:45 AM - 11:50 AM	Course 2
11:50 AM - 12:55 PM	Lunch
12:55 PM - 2:00 PM	Course 3
2:00 PM - 2:10 PM	Break
2:10 PM - 3:15 PM	Course 4

*Shortened afternoon periods (3 and 4) occur to accommodate monthly staff meetings. These meeting days generally fall on the first and third Tuesday of each month. Please see school day calendar for specific information.

Students are excused at 2:45 pm. on these days.

JAS Shortened Tuesday Afternoon Schedule	
12:55 PM - 1:50 PM	Course 3
1:50 PM - 1:55 PM	Break
1:55 PM - 2:45 PM	Course 4

Graduation Requirements

All students are encouraged to graduate with a St. James-Assiniboia School Division Academic/Advanced Academic Diploma and/or Provincial Diploma. Planning sheets for these diplomas are found in the Planning Sheets Section of this booklet, in some cases, students may choose to graduate with a Mature Student Diploma

Optional Courses

Additional or Optional courses are dependent on student registration and enrolment.

NOTE: all courses are offered in a self-directed, self-paced manner.

Grade 9 Level School Based Options

Art 10G - AR10G

This course covers the various content areas, such as art basics: elements and principles of art, creative thinking processes, different forms of art and media marketing. In all the units the use of journals and areas of looking, talking, and making are developed.

Electricity/Electronics 10G - EL10G

The purpose of this course is to expose students to the fundamental concepts of electronics. The student does not require a background in electronics, as this course is very introductory in nature. Topics include: introduction to electricity, basic circuitry, learning the language of schematic symbols, digital multi-meter reading, resistance, capacitance, inductance, semi-conductors, power supplies, tools and safety. These topics are applied to constructing projects, initiating student challenges, watching videos and conducting experiments. This course will be of interest to those who are curious about how electronic devices work, including troubleshooting and repairing electrical devices we use every day, or who are considering a career in electrical/electronics technology or engineering.

Home Economics 10G - HE10G

Home Economics 10G offers students the opportunity to study topics in three broad areas: Foods and Nutrition, Clothing and Design, and Family Studies. A hands-on approach is taken in this course with opportunities for students to prepare foods and construct clothing/housing projects. Topics include: nutrient basics, prevention of disease through nutrition, food preparation techniques, fundamentals of design, clothing construction basics, and housing.

Transitional Math 15F - MA15F

Transitional math is a new course offered for grade 9 students who traditionally have had difficulty with mathematics. It is intended to better prepare these students for the rigorous regular Math 10F program, which all students in grade 9 must complete. The aim of grade 9 Transitional Math is mathematics for all students. Mathematical power can be thought of as a student's ability to demonstrate mathematical understanding, thinking and communication.

Grade 10 Level School Based Options

Visual Art 20G - AR20G

The Art 20G course is organized around the study of the visual elements of line, value, colour, shape, texture, and space. Mediums, such as pencil, acrylic, ink, clay and coloured crayons are used and Art history is studied through project work.

Digital Film Making 25S - DV25S (1/2 credit)

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 using a narrative or documentary format.

Digital Pictures 25S - DI25S (1/2 credit)

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

Drafting Design Technology 20G - DR20G

The course will enhance students' knowledge about the world of design drafting. It is structured as follows:

- Module 1: Design
- Module 2: Reference Tools and Constructions
- Module 3: Mechanical Drafting
- Module 4: Architectural Drafting

Computer Science 20S - CS20S

Students learn the fundamentals of programming through the Java programming language and gain essential tools and knowledge for computer science 30S and 40S. Areas studied include selection, looping and may include some basic graphics. Students also engage in debates, discussions and projects revolving around prominent topics in computing such as Internet ethics and problem solving.

Woods Technology - WT15G (0.5 credit)

This is an introductory course that focuses on safe operation of machines/equipment and basic wood joinery. Throughout the half semester students will complete three projects with an option for a fourth (independent/choice project).

Woods Technology - WT20G (0.5 credit)

This is a continuation of WT15G. The course is designed to promote problem solving skills and help students acquire skills necessary to be able to contribute to society. Emphasis will be placed on planning and designing stages with students demonstrating the various skills through project work.

Grade 11 Level School Based Options

Visual Art 30G - AR30G

This course is based on topical units. Within each unit, students develop problem-solving skills as they research and use various media and tools appropriate to their explorations.

Foods and Nutrition 30S - FN30S (1/2 credit)

Food and Nutrition 30G emphasizes the role of the individual in his or her future health. Students evaluate their nutritional fitness and learn to prevent the diet-related diseases of our modern lifestyle. Laboratory experience encourages students to choose and prepare creative dishes for a healthy lifestyle.

Web Design 35S - WD35S (1/2 credit)

The purpose of this course is to provide students with the skills and knowledge to design, develop, and publish a simple website to display information.

2D ANIMATION 35S - AN35SA (1/2 credit)

The purpose of the course is to provide students with the skills and knowledge to create two-dimensional animations (Flash).

COMPUTER SCIENCE 30S - CS30S

Students continue programming in the Java language while learning more fundamentals in computer science such as arrays and different sorting algorithms. Students will learn to finesse their code and deal with more complex problems and situations. Students will continue to engage in various discussions and projects dealing with topics in computing.

Grade 12 Level School Based Options

Visual Art 40S - AR40S

This course is offered and recommended for those students who have a greater than average interest and ability in Art. Students selecting this course are required to work much more independently and preface all work with written proposals as outlined by the Manitoba Senior High Art Curriculum. Students in this program must consult regularly with the instructor, and undergo verbal critiques of individual work. A major project on Art and Artists as outlined by the instructor, plus a major research paper and Art Gallery Critique are also required to receive credit.

Family Studies 40S - FA40S

Family Studies 40S focuses on the individual, family, society, and the factors that affect the quality of life for all.

Foods and Nutrition 40S - FN40S

Food and Nutrition 40S is an advanced study of nutrition controversies surrounding our present day food supply. The focus is both local and global, with an evaluation of the eating habits, foods and cultures of the world. Emphasis is placed on creative cooking for entertaining and on appreciating the uniqueness of cuisine at home and around the world.

Geography 40S - GE40S

This course is a culmination of the high school student's training in Geography, as well as a preparation for the study of Geography at the university level. Topics covered include World Population & Food Problems, World Energy, Industrialization, Urbanization, and World Environmental Issues. This course also stresses thinking and writing skills. Computer assignments, current events and group work are an important part of this course.

Life/Work Transition - LC40S

Life/Work Transition focuses on Personal Management, Career Exploration, Learning and Planning, Job Seeking and Job Maintenance, Career and Community Experiences. Students in this course will be expected to partake in service learning opportunities and/or a work experience component totaling a minimum of 60 hours.

Psychology 40S - PY40S

Psychology is the scientific study of behaviour and mental processes. It uses the scientific method to discover ways of understanding the complexities of human thought and behavior, as well as differences among people. Studying psychology gives students lifelong skills such as dealing with issues proactively, solving problems, learning, and nurturing healthy relationships. It helps students understand themselves, and deal with issues in their own lives such as inner conflicts, relationships with parents and peers, and intimacy. It also helps students understand societal problems like addiction, violence, and prejudice. This course exposes students to the major topics found in the field of psychology. It also emphasizes the issues that are of particular direct interest and relevance to students completing high school. Students explore the scientific methods upon which psychology is based.

Computer Science - CS40S

Students learn the current programming paradigm in practice to add to their growing knowledge of computer science. Students will be responsible for different independent projects which may include learning a different language or focusing on higher-level topics and programs in the Java programming language. Students will take part in discussions and projects dealing with topics in computing, such as careers in computing and current technologies

Film as Witness to 20th Century History - CW40S

This course considers cinema as a source of information or misinformation about the past, and as a springboard for critical reflection about diverse interpretations of history. Each film, including documentary and dramatic selections from Canadian, American, and international cinema, is viewed and analyzed as a product of its historical period and as an interpretive representation of the past. The course deals with historical developments and themes that have influenced world history since the beginning of the 20th century.

Other Available Courses

Community Service Student Initiated Project (SIP) (0.5 credit or 1.0 credit)

Students can make a contribution by volunteering for worthwhile causes or organizations. The civic 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. A credit may be available to a student who participates in such activity in the senior years for graduation purposes and does not require departmental registration. Students MUST discuss this option with their teacher PRIOR to beginning to work towards this credit. ALL students are encouraged to complete a credit or half-credit in this area.

Vocational Courses offered in other schools within the SJASD (if room available)

Vocational Courses such as Auto body (St. James) Aviation (Sturgeon Heights), Hairstyling (Sturgeon Heights and St. James), Electronics (Sturgeon Heights), Food Services (Sturgeon Heights), Graphic Arts (Sturgeon Heights) Jewelry Arts (Sturgeon Heights), Power Mechanics (Sturgeon Heights), Welding (Sturgeon Heights) are available to JAS students (space permitting). See individual school sections to view course descriptions. Prior to enrolling in these courses/programs students MUST speak to their teacher.

High School Apprenticeship Option

Another means to earn credit towards an apprenticeship is through the High School Apprenticeship Program (HSAO). The HSAO 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. Prior to enrolling in this program students MUST speak to their teacher.

The HSAO program provides practical, paid, work experience and the opportunity to:

- get hands-on experience using highly specialized, technological equipment
- earn up to 8 supplemental academic credits for graduation based on 110 working hours per credit (*up to 6 credits for Mature Diploma students)
- get paid more than minimum wage
- 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

St. James-Assiniboia Diploma Planning Sheets

Provincial Diploma

Note: Students completing a St. James Academic or Advanced Academic will automatically receive a Provincial Diploma

Grade 9		Grade 10		Grade 11		Grade 12	
Compulsory	Credit	Compulsory	Credit	Compulsory	Credit	Compulsory	Credit
English 10F	1.0	English 20F	1.0	English 30S	1.0	English 40S	1.0
Mathematics 10F	1.0	Mathematics 20S	1.0	Mathematics 30S	1.0	Mathematics 40S	1.0
Phys. Ed. 10F	1.0	Phys. Ed. 20F	1.0	Phys. Ed 30F	1.0	Phys. Ed 40F	1.0
Social Studies 10F	1.0	Geography 20F	1.0	History 30F	1.0	Grade 12 Option #1	1.0
Science 10F	1.0	Science 20F	1.0			Grade 12 Option #2	1.0
School Based Options		School Based Options		School Based Options		School Based Options	
Option 1 (required)	1.0	Option 1 (required)	1.0	Option 1(required)	1.0	Option 1	1.0
Option 2 (required)	1.0	Option 2 (required)	1.0	Option 2 (required)	1.0	Option 2	
Option 3 (required)	1.0	Option 3 (required)	1.0	Option 3		Option 3	
Option 4 (required)	1.0	Option 4 (required)	1.0	Option 4		Option 4	
Option 5		Option 5 (required)	1.0	Option 5		Option 5	

Note: 30 credits are the minimum requirements for graduation

St. James-Assiniboia School Division - Academic Certificate *(Includes Community Service Hrs)*

Grade 9		Grade 10		Grade 11		Grade 12	
Compulsory	Credit	Compulsory	Credit	Compulsory	Credit	Compulsory	Credit
English 10F	1.0	English 20F	1.0	English 30S	1.0	English 40S	1.0
Mathematics 10F	1.0	Mathematics 20S	1.0	Mathematics 30S	1.0	Mathematics 40S	1.0
Phys. Ed. 10F	1.0	Phys. Ed. 20F	1.0	Phys. Ed 30F	1.0	Phys. Ed 40F	1.0
Social Studies 10F	1.0	Geography 20F	1.0	History 30F	1.0	Grade 12 Option #1	1.0
Science 10F	1.0	Science 20F	1.0			Grade 12 Option #2	1.0
Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs	Communtiy Service Hrs	10 Hrs
School Based Options		School Based Options		School Based Options		School Based Options	
Option 1 (required)	1.0	Option 1 (required)	1.0	Option 1(required)	1.0	Option 1 (required)	1.0
Option 2 (required)	1.0	Option 2 (required)	1.0	Option 2 (required)	1.0	Option 2	
Option 3 (required)	1.0	Option 3 (required)	1.0	Option 3		Option 3	
Option 4 (required)	1.0	Option 4 (required)	1.0	Option 4		Option 4	
Option 5		Option 5 (required)	1.0	Option 5		Option 5	

Note: 30 credits are the minimum requirements for graduation

Provincial French Immersion Diploma

Note: students completing a St. James Academic or Advance Academic will automatically receive a Provincial Diploma. A minimum of 14 credits from courses taught in French are required to obtain a diploma in French Immersion. At each grade in grade 9 and 10, a minimum of 4 credits must be completed in French and at each grade in grade 11 and 12 a minimum of 3 credits must be completed in French.

Grade 9		Grade 10		Grade 11		Grade 12	
Compulsory	Credit	Compulsory	Credit	Compulsory	Credit	Compulsory	Credit
English 10F	1.0	English 20F	1.0	English 30SC	1.0	English 40SC	1.0
Phys. Ed 10F	1.0	Phys. Ed 20F	1.0	Phys. Ed. 30F	1.0	Phys. Ed. 40F	1.0
Français 10FX	1.0	Français 10FX	1.0	Français 10SX	1.0	Français 40SX	1.0
Mathés 10FX	1.0	Mathés 10SX	1.0	Min. 2 of the following courses		Min. 2 of the following courses	
Sciences 10FX	1.0	Sciences 10FX	1.0	Mathés 30SX***	1.0	Mathés 40SX ***	1.0
Sc. Humaines 10GX	1.0	Géographie 20FX	1.0	Histoire 30FX***	1.0	Histoire 40SX	1.0
				Biologie 30SX	1.0	Biologie 40SX	1.0
				Chimie 30SX	1.0	Chimie 40SX	1.0
School Based Options		School Based Options		School Based Options		School Based Options	
Option 1 (required)	1.0	Option 1 (required)	1.0	Option 1 (required)	1.0	Option 1 (required)	1.0
Option 2 (required)	1.0	Option 2 (required)	1.0	Option 2		Option 2	
Option 3 (required)	1.0	Option 3 (required)	1.0	Option 3		Option 3	
Option 4		Option 4 (required)	1.0	Option 4		Option 4	
Option 5		Option 5		Option 5		Option 5	

Note: 30 credits are the minimum requirements for graduation

St. James-Assiniboia School Division – French Immersion Academic Certificate

Grade 9		Grade 10		Grade 11		Grade 12	
Compulsory	Credit	Compulsory	Credit	Compulsory	Credit	Compulsory	Credit
English 10F	1.0	English 20F	1.0	English 30SC	1.0	English 40SC/L	1.0
Phys. Ed 10F	1.0	Phys. Ed 20F	1.0	Phys. Ed. 30F	1.0	Phys. Ed. 40F	1.0
Français 10FX	1.0	Français 20FX	1.0	Français 30SX	1.0	Français 40SX	1.0
Mathés 10FX	1.0	Mathés 20SX	1.0				
Sciences 10FX	1.0	Sciences 20FX	1.0	Min. 2 of the following courses		Min. 2 of the following courses	
Sc. Humaines 10FX	1.0	Géographie 20FX	1.0	Mathés 30SX***	1.0	Mathés 40SX ***	1.0
				Histoire 30FX***	1.0		
				Biologie 30SX	1.0	Biologie 40SX	1.0
				Chimie 30SX	1.0	Chimie 40SX	1.0
Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs
School Based Options		School Based Options		School Based Options		School Based Options	
Option 1 (required)	1.0	Option 1 (required)	1.0	Option 1 (required)	1.0	Option 1 (required)	1.0
Option 2 (required)	1.0	Option 2 (required)	1.0	Option 2		Option 2	
Option 3 (required)	1.0	Option 3 (required)	1.0	Option 3		Option 3	
Option 4		Option 4 (required)	1.0	Option 4		Option 4	
Option 5		Option 5		Option 5		Option 5	

Note: 30 credits are the minimum requirements for graduation

International Baccalaureate Diploma Planning Sheets

Collège Sturgeon Heights Collegiate – International Baccalaureate – English

Grade 9		Grade 10		Grade 11		Grade 12	
Compulsory	Credit	Compulsory	Credit	Compulsory	Credit	Compulsory	Credit
English 10F	1.0	English 20PB	1.0	English 32IB	1.0	English 40IB/42IB	1.0
French 10F	1.0	French 20PB	1.0	French 30PB	1.0	French 40IB/42IB	1.0
Mathematics 10F	1.0	Mathematics 20PB	1.0	Mathematics 40IB	1.0	Mathematics 40IB/42IB	1.0
Social Studies 10F	1.0	Science 20PB	1.0	Chemistry 32IB	1.0	History 42IB	1.0
Science 10F	1.0	History 30PB	1.0	History 32IB	1.0	Phys. Ed. 40F	1.0
Phys. Ed 10F	1.0	Phys. Ed. 20F	1.0	Phys. Ed. 30F	1.0	TK42IB	0.5
Geography 20F	1.0	French 30PB	1.0	Chemistry 42IB	1.0		
		Mathematics 30PB	1.0	TK32IB	0.5		
				Comm, Action, Service 32S	C.A.S.	Comm, Action, Service 42S	C.A.S.
				Students must choose one of either:		Students must choose one of either:	
				Biology 30IB	1.0	Biology 40IB Biology 42IB (HL)	2.0
				Physics 30IB	1.0	Physics 40IB Physics 42IB (HL)	2.0
Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs
School Based Options		School Based Options		School Based Options		School Based Options	
Option 1 (required)	1.0	Option 1 (required)	1.0	Option 1		Option 1	
Option 2 (required)	1.0	Option 2 (required)	1.0	Option 2		Option 2	
		Option 3		Option 3		Option 3	

****The Community Service hours are not required for IB Diploma students who complete their C.A.S.**

***See your counselor for post-secondary entrance requirements.**

NOTE: 30 credits are the minimum requirements for graduation.

All I.B. (including certificate) students must consult with the I.B. coordinator when selecting courses

Collège Sturgeon Heights Collegiate – International Baccalaureate – French Immersion

Grade 9		Grade 10		Grade 11		Grade 12	
Compulsory	Credit	Compulsory	Credit	Compulsory	Credit	Compulsory	Credit
English 10F	1.0	English 20PB	1.0	English 32IB	1.0	English 40IB/42IB	1.0
Français 10FX	1.0	Français 20PBX	1.0	Français 30PBX	1.0	Français 40IBX/42IBX	1.0
Mathés 10FX	1.0	Mathés 20PBX	1.0	Mathés 40IBX	1.0	Mathematics 42IB	1.0
Sciences 10FX	1.0	Sciences 20PBX	1.0	Chimie 32IB	1.0	History 42IB	1.0
Sc. Humaines 10FX	1.0	Histoire 30PBX	1.0	History 32IB	1.0	Phys. Ed. 40F	1.0
Phys. Ed. 10F	1.0	Phys. Ed. 20S	1.0	Phys. Ed. 30F	1.0	TK42IB	0.5
Géographie 20F	1.0	Français 30PBX	1.0	Chimie 42IB	1.0		
		Mathés 300PBX	1.0	TK32IB	0.5		
				Comm., Action, Service 32S		Comm, Action, Service 42S	C.A.S.
				Students must choose one:		Students must choose one:	
				Biology 30IB	1.0	Biology 40IB Biology 42IB (HL)	2.0
				Physics 30IB	1.0	Physics 40IB Physics 42IB (HL)	2.0
Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs
School Based Options		School Based Options		School Based Options		School Based Options	
Option 1 (required)	1.0	Option 1 (required)	1.0	Option 1		Option 1	
Option 2 (required)	1.0	Option 2 (required)	1.0	Option 2		Option 2	
Option 3 (required)	1.0	Option 3		Option 3		Option 3	

***See your counselor for post-secondary entrance requirements. Note: 30 credits are the minimum requirements for graduation. All I.B. (including partial I.B.) students must consult with the I.B. coordinator when selecting courses.**

International Baccalaureate Diploma Planning Sheets

Westwood Collegiate – International Baccalaureate

Grade 9		Grade 10		Grade 11		Grade 12	
Compulsory	Credit	Compulsory	Credit	Compulsory	Credit	Compulsory	Credit
English 10F	1.0	English 20PB	1.0	Group 1 Course	1.0	Group 1 Course	1.0
French 10G	1.0	Mathematics 20IB	1.0	Group 2 Course	1.0	Group 2 Course	1.0
Mathematics 10F	1.0	Mathematics 30IB	1.0	Group 3 Course	1.0	Group 3 Course	1.0
Phys. Ed. 10F	1.0	Science 20F/PB	1.0	Group 4 Course	1.0	Group 4 Course	1.0
Science 10F	1.0	French 20FPB	1.0	Group 5 Course	1.0	Group 5 Course	1.0
		Geography 20IB	1.0	Group 6 Course*	1.0	Group 6 Course*	1.0
		History 30IB	1.0	Phys. Ed 30F	1.0	Phys. Ed 40F	1.0
		Phys. Ed. 20F	1.0	Theory of Knowledge 32IB	0.5	Theory of Knowledge 42IB	0.5
				Comm., Action, Service (C.A.S.) 32IB		Comm., Action, Service (C.A.S.) 42IB	
Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs	Community Service Hrs	10 Hrs
School Based Options		School Based Options		Diploma students must select a minimum of 3 Standard Level (SL) courses and 3 Higher Level (HL) courses.		Diploma students must select a minimum of 3 Standard Level (SL) courses and 3 Higher Level (HL) courses.	
Option 1 (required)	1.0	Option 1 (required)	1.0	Group 1 Courses English 32IB - HL	1.0	Group 1 Courses English 40IB - HL English 42IB - HL	1.0
Option 2 (required)	1.0	Option 2 (required)	1.0	Group 2 Courses French 32IB - SL Spanish 32IB - SL	1.0	Group 2 Courses French 42IB - SL Spanish 42IB - SL	1.0
Option 3 (required)	1.0	Option 3		Group 3 Courses History 40IB - HL Psychology 32IB - HL	1.0	Group 3 Courses History 42IB - HL Psychology 42IB - HL	1.0
Option 4		Option 4		Group 4 Courses Biology 32IB - SL OR Biology 32IB- HL Chemistry 32IB - SL Physics 32IB - SL	1.0	Group 4 Courses Biology 42IB - SL OR Biology 40IB- HL Biology 42IB- HL Chemistry 42IB - SL Physics 42IB - SL	1.0
				Group 5 Courses Math 40IB - SL	1.0	Group 5 Courses MA42IB - SL	1.0
				Group 6 Courses Visual Art 32IB Theatre Art - SL Dance 32IB - SL Film Studies - SL	1.0	Group 6 Courses Visual Art 42IB - SL Theatre Art - SL Dance 32IB - SL Film Studies - SL	1.0

*See your counselor for post-secondary entrance requirements.

Note: 30 credits are the minimum requirements for graduation.

The Community Service hours are not required for IB Diploma students who complete their C.A.S.

All I.B. (including certificate) students must consult with the I.B. coordinator when selecting courses.

Note: IB Diploma Students will also complete provincial requirements for graduation.

Mature Student Graduation Requirements - Minimum of 8 credits

Compulsory Credits	Optional Credits
Grade 12, English Language Arts Grade 12, Mathematics	Grade 12, Course 1 Grade 12, Course 2 Grade 9 – 12, Course 1 Grade 9 – 12, Course 2 Grade 9 – 12, Course 3 Grade 9 – 12, Course 4

Mature Student Eligibility

A “mature student” eligible for obtaining a Mature Student High School Diploma under the grade 9 to grade 12 Mature Student Graduation Requirements is one who:

- o Is 19 years of age or over at the time of enrolment in school division/district or ALC programming directed at completing the Mature Student Graduation Requirements, or one who will reach the age of 19 before completion of the course(s) in which one is enrolled;
- o Has been out of school six months or more, and out of school long enough for the class, of which one was last a member, to have graduated from Senior Years; and
- o Has not obtained a high school diploma. Students can enroll in a school division/district or Adult Learning Centre for the purpose of obtaining the Mature Student High School Diploma if they are eligible as described above.

Other requirements

- o Courses designated as G (General), F (Foundation), S (Specialized), A (Advanced), M (Modified), E (English as a Second Language), U (University), and C (College) are accepted for Mature Student Graduation Requirements.
- o Mature students are required to write grade 12 standards tests in compulsory subject areas. Exemptions can be made in accordance with the Department’s current Policies and Procedures for Standards Tests, available online at <www.edu.gov.mb.ca/k12/assess/publications.html>.

Resources

Visit Manitoba Education and Advanced Learning for more information about the Senior Years.

<http://www.edu.gov.mb.ca/k12/>

Visit these institutional websites for post-secondary program information.

University of Manitoba

<http://www.umanitoba.ca/>

University of Winnipeg

<http://www.uwinnipeg.ca/>

Red River College

<http://www.rrc.mb.ca/>

Brandon University

<http://www.brandonu.ca/>

Collège Universitaire de Saint-Boniface

<http://www.ustboniface.mb.ca/>

Canadian Mennonite University

<http://www.cmu.ca/>