MGCI Science Pathway

Science 9
- Science 10
  - Computer Science 20
    - Computer Science 30
  - Health Science 20
  - Environmental Science 20
  - Physical Science 20
    - Physics 30
    - Chemistry 30
  - Biology 30
Science 9 (SCI09)
This course is a general science survey course with units focusing on space, chemistry, electricity and reproduction. The connections among science, technology and society are emphasized.

Science 10 (SCI10)
Science 10 is a foundational science course incorporating scientific inquiry, technological problem solving, science technology, society and environment decision making, cultural perspectives to gain an understanding of basic chemistry, motion and ecosystems. An exploration of careers in science along with a laboratory hands-on approach are used throughout the course.

Computer Science 20 (CSC20)
Prerequisite: SCI10
Students will learn computer programming and problem solving logic using the Visual Basic computer language. Students will develop general concepts of how computers are programmed by designing and writing their own programs. Once their basic programming ability is gained, students will create games and other computer programs.

Health Science (HSC20)
Prerequisite: SCI10
This course will challenge students to look at the health science field through hands on, holistic and analytic perspectives to provide a basis for making personal health choices. Students will also investigate the range of health science careers and post-secondary programs available in Saskatchewan.

Environmental Science (ESC20)
Prerequisite: SCI10
Students will learn how to examine local and global environmental issues. They will examine the role of environmental policies and ethics on decision making as well as investigate environmental science related careers.

Physical Science (PSC20)
Prerequisite: SCI10
This course combines elements in an integrated hands-on manner to investigate concepts related to heating and cooling, the foundations of chemistry, including the mole and quantitative analysis of molecules and chemical reactions, and the characteristics and properties of electromagnetic radiation. An over reaching theme is the study of the enterprise of public and private science as it occurs in agriculture, industry and universities to help students better understand the physical science related career paths. Student inquiry will guide independent investigations of physical science phenomena.

Computer Science 30 (CSC30)
Prerequisite: CSC20
This course will start with a brief review of programming skills learned in Computer Science 20 using Visual Basic. We will then start programming in Python. Students will use Python to create a variety of smaller programs, along with a larger capstone project of their choosing.

Biology 30 (BIO30)
Prerequisite: HSC20 or ESC20
Students will learn how to examine the significance of evolution as a key unifying theme in biology and to explore what life is and how it changes over time. Students will examine the organization of life in all kingdoms through the study of biomolecules, cellular processes, and organism function. In genetics and biotechnology, students will explore inheritance and how information is stored, transmitted, and expressed at chromosomal and molecular levels. Student inquiry will guide independent investigations of biology related curiosities.

Physics 30 (PHY30)
Prerequisite: PSC20
Core units are kinematics (the study of motion), vectors, dynamics (the study of force and motion), mechanical energy, fields and modern physics. The study of related or advanced topics is accomplished through independent, individual or group projects and labs. Learning strategies continue to emphasize problem solving, research, and experimental skills but focus on knowledge, understanding, and application of scientific concepts and physical laws. Opportunities to integrate mathematics, technical writing and computer skills are expanded and interdisciplinary research projects are encouraged.

Chemistry 30 (CHE30)
Prerequisite: PSC20
Topics covered in this course are a review and an extension of chemical bonding, thermochemistry, a study of reaction rates, oxidation-reduction, and the opportunity to perform many experiments.
MGCI Social Sciences

Social Studies 9

Choose at least one of:
- History 20
- Indigenous Studies 20
- Law 30
- Psychology 30

Indigenous Studies 10 and/or History 10

Integrated English
Language Arts 10B and History 10
(ELB10-G and HIS10-G)

Integrated English
Language Arts 30A and History 30
(ELA30-I and HIS30-I)

History 30 and/or
Indigenous Studies 30
Social Studies 9 (SOC09)
The grade 9 course is a program that studies the rise and fall of civilizations. The course is presented in a way that accommodates different learning styles. It covers history from the beginning of mankind (prehistory) to the renaissance. Students will consider how worldviews are shaped and how they are expressed, living in particular times and places. Through a variety of approaches – games, assignments, lectures, class trips, guest speakers and current events students will develop the skills to adapt to and understand the world around them.

History 10 (HIS10)
This is a continuation of the study of foundations of modern civilization. Current ideas are used to help students gain a better understanding of historical concepts.

Indigenous Studies 10 (NAT10)
The aim of Native Studies 10 is to help the student develop a personal and cultural awareness and an understanding of Indigenous and Metis people. Dispelling stereotypes and myths surrounding Indigenous people will be challenged and reconciliation is a focus.

Integrated English Language Arts B10/History 10 (HIS10-G)
This course is a unique examination of the world around us through the historical backgrounds of our society. Social organizations viewed in History 10 will be supported by the literature in the English B10 course. This is an opportunity to view the origins of our society with a focus on what is equal and fair historically and how equity and fairness is viewed today. Blocked scheduling provides the flexibility to adapt English and History to create a better understanding of both.

History 20 (HIS20)
Recommendation: HIS10
This course is highly recommended for understanding our contemporary world and any future study of history. This course is about the 20th Century, one of the most exciting and turbulent periods in history.

Indigenous Studies 20 (NAT20)
Native Studies 20 may be taken as the Social Science Graduation requirement
This course focuses on Indigenous experiences of Self-Determination and Self-Government, Development and Social Justice. This course builds on the core understandings from Native Studies 10.

Integrated English Language Arts A30/History 30 (ELA30-I and HIS30-I)
Prerequisites: ELA20
Recommended HIS10
This course is a unique examination of Canada from both historical and literary viewpoints. In the past, Canadian literature has been motivated by the journey of Canadian history. This is an opportunity to study and reflect upon great literature, great Canadians, panoramic ideas and interesting moments, and trends in our nation. Blocked scheduling provides students the flexibility to experience some of the places and events that have impacted Saskatoon, Saskatchewan, and Canadian people through history.

History 30 (HIS30)
Recommended: HIS10
Canadian Studies includes the studies of: the relationship between the people and the land, the relationship between members of society and government, Confederation and the National Policy, external and internal forces that significantly influence the well-being of the Canadian people and the challenges and opportunities of the future.

Indigenous Studies 30 (NAT30)
Native Studies 30 provides an overview of Canadian History from an Aboriginal perspective. The historical roots of contemporary Aboriginal and Canadian issues will be investigated. Students will have the opportunity to gain an understanding and appreciation of how Aboriginal people have influenced and shaped the history of the Canadian Nation.

Law 30 (LAW30)
The purpose of this course is to develop an awareness of the rights, responsibilities and laws governing individuals in Canadian society. The course outlines the judicial system and deals with contract, criminal, family, human rights, property and tort law.

Psychology 30 (PSY30)
Psychology 30 is the study of human development across the time span of human life. Psychology 30 will address the two major themes of human development from various perspectives across the life span from conception to death.
Integrated English Language Arts B10/History 10 (ELB10-G and HIS10-G)
Integrated English Language Arts A30/History 30 (ELA30-I and HIS30-I)

Grade 9
- ELA09 and ELB09

Grade 10
- ELA10 and ELB10

Grade 11
- ELA20
- Creative Writing 20
- Journalism 20
- Media Studies 20
- Other Options

Grade 12
- ELA30 and ELB30
- Creative Writing 30L
- Other Options

Unique ELB30 option to Marion Graham
- Language through Philosophy (ELB30-G)
Course Descriptions

Grade 9 English A (ELA09)
This course will explore the themes of: all that I am (the search for self); Indigenous and Norse narratives; our shared linguistic and cultural roots; and looking beyond (imagining new worlds and the future). Students will explore a variety of texts, including novels, stories, plays, poems, non-fiction, and visual and oral media, in order to become better readers, writers, speakers, listeners, and representers.

Grade 9 English B (ELB09)
This course will explore the themes of: conflicts, challenges, issues, and choices (doing the right thing); exploring loyalty, love, and relationships; and surviving and conquering. Students will explore a variety of texts, including novels, stories, poems, plays (Shakespeare), non-fiction, and visual and oral media, in order to become better readers, writers, speakers, listeners, and representers.

Grade 10 English A (ELA10)
This course will explore two main themes: the challenges of life; and the mysteries of life. Students will explore a variety of texts, including novels, stories, plays, poems, non-fiction, and visual and oral media, in order to become better readers, writers, speakers, listeners, and representers.

English Language Arts A10 through Role Playing Games (ELA10-C)
Collaboration, teamwork, reading, writing, and gaming combined in this English course. Through role playing games like Dungeons & Dragons, students will create stories, explore literary themes, and collaborate to solve unique problems and face challenges in an unparalleled landscape: the collective imagination. Prepare to learn through an experience that has been described as “cross-training for the mind”. This unique course is an alternative way to take English A 10.

Grade 10 English B (ELB10)
This course will explore two main themes: equity and ethics; and the world around and within us. Students will explore a variety of texts, including novels, stories, poems, plays (Shakespeare), non-fiction, and visual and oral media, in order to become better readers, writers, speakers, listeners, and representers.

Integrated English Language Arts B10/History 10 (ELA10-G)
This course is a unique examination of the world around us through the historical backgrounds of our society. Social organizations viewed in History 10 will be supported by the literature in the English B10 course. This is an opportunity to view the origins of our society with a focus on what is equal and fair historically and how equity and fairness is viewed today. Blocked scheduling provides the flexibility to adapt English and History to create a better understanding of both.

Grade 11 English (ELA20)
Prerequisite: ELA10 and ELB10
This course will explore two main themes: starting out (beginning and becoming); and moving forward (establishing and realizing). Students will explore a variety of texts, including novels, stories, plays, poems, non-fiction, and visual and oral media, in order to become better readers, writers, speakers, listeners, and representers.

Media Studies 20 (ELM20)
Prerequisite: ELA10 or ELB10
Coke or Pepsi? Disney or Netflix? Facebook or Snapchat? The learning goal of Media Studies is to make you more aware of the media around you, understand how it influences people, and ultimately how to navigate through the ever-evolving media landscape. This course will teach you to question the digital world around you (Media Studies contains no artificial colours, flavours, or preservatives.)

Creative Writing 20 (ELW20)
Prerequisite: ELA10 or ELB10
Creative sparks will be ignited and bloom in Creative Writing 20. Explore the power of the written word through writing poetry, short stories, and plays. This is a chance to develop skills, collaborate, and share your creative vision.

Journalism Studies 20
Prerequisite: ELA10 or ELB10
Available through the Online Learning Centre only.
Grade 12 English A (ELA30)
Prerequisite: ELA20
This course will explore two main themes: Canadian perspectives (distinct and rich); and Canadian landscapes (diverse and dynamic). Students will explore a variety of First Nations, Metis, Saskatchewan, and Canadian texts, including novels, stories, plays, poems, non-fiction, and visual and oral media, in order to become better readers, writers, speakers, listeners, and representers.

Grade 12 English B (ELB30)
Prerequisite: ELA20
This course will explore two main themes: the search for self; and the social experience. Students will explore a variety of international, including Indigenous, texts, including novels, stories, poems, plays (Shakespeare), non-fiction, and visual and oral media, in order to become better readers, writers, speakers, listeners, and representers.

Grade 12 English B through Philosophy (ELB30-G)
Prerequisite: ELA20
This course explores some of life’s most fundamental questions. What is distinctive about philosophy is it effort to address these questions through the human capacity to reason; philosophical answers are based on reasoned arguments, which analyze and seek to justify beliefs. Students who take this course must not only demonstrate a genuine interest in writing and thinking, but also be self-disciplined, motivated, and ready to discuss lofty issues.

Integrated English Language Arts A30/History 30 (ELA30-I and HIS30-I)
Prerequisites: ELA20
Recommended: HIS10
This course is a unique examination of Canada from both historical and literary viewpoints. In the past, Canadian literature has been motivated by the journey of Canadian history. This is an opportunity to study and reflect upon great literature, great Canadians, panoramic ideas and interesting moments, and trends in our nation. Blocked scheduling provides students the flexibility to experience some of the places and events that have impacted Saskatoon, Saskatchewan, and Canadian people through history.

Creative Writing 30L (CRW30)
Prerequisite: ELA20
Creative Writing 30 sharpens the creative writer. Explore the intricacies of plot, setting, and character as we build short stories, experiment with styles and forms of poetry, and expand your writing repertoire to the world of screenplays and television.
**Note:** Students that complete the Foundations of Math 20 Stretch can also enter the Pre-Calculus pathway.
Course Descriptions

Math 9 (MTH09)
Math 9 is a yearlong course where students will explore a wide array of topics: number sense, integers, rational numbers, percent, equations, problem solving, data management, probability, polynomials, scientific notation, factoring, geometry and measurement. This class is for students who have good foundational math skills and grasp concepts after instruction, multiple examples and typical practice. Students will be taught by the same teacher all year and will learn math with the incorporation of computers and commerce applications.

Workplace & Apprenticeship Math 10 (MWA10)
This course is designed to provide students with the mathematical understanding and critical thinking skills identified for entry into post-secondary programs in trades and technology, and for direct entry into the workforce. Topics include: measurement, trigonometry, geometry, consumer math and algebra.

Foundations of Math and Pre-Calculus 10 (MFP10)
This course is designed to provide students with the mathematical understanding and critical thinking skills identified for entry into post-secondary programs. Topics include: measurement, trigonometry, exponents, polynomials, factoring, irrational numbers, relations and functions.

Foundations of Math 10 and 20 Stretch (MFP10-5)
Foundations of Math 10 and 20 Stretch is designed for students who would benefit from spending extra time working through course content. This course covers all of the same material that is taught in Foundations and Pre-Calculus 10 and Foundations of Math 20 but is covered at a slower pace. Instead of completing each course in the typical timeframe of one semester, both classes are covered over 3 consecutive semesters.

Workplace & Apprenticeship Math 20 (MWA20)
Prerequisite: MWA10
This course is designed to provide students with the mathematical understanding and critical thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include: algebraic, theoretical calculus. Topics include: absolute value, radicals, trigonometry, rational expressions and equations, factoring, quadratic functions, quadratic equations, inequalities, reciprocal functions, sequences and series.

Foundations of Math 20 (MAF20)
Prerequisite: MFP10
This course provides students with the mathematical understandings and critical thinking skills that are identified for post-secondary studies in programs that do not require the study of theoretical calculus.

Math Pre-Calculus 20 (MPC20)
Prerequisite: MFP10
This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include: algebraic, theoretical calculus. Topics include: algebraic, transcendental and piecewise functions, rational expressions, inequalities (including absolute value), limits, differentiation and integration.

Math Pre-Calculus 30 (MPC30)
Prerequisite: MPC20
This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include: algebraic, transcendental and piecewise functions, rational expressions, inequalities (including absolute value), limits, differentiation and integration.

Foundations of Math 30 (MAF30)
Prerequisite: MAF20
This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include: algebraic, transcendental and piecewise functions, rational expressions, inequalities (including absolute value), limits, differentiation and integration.

Math Pre-Calculus 30 (MPC30)
Prerequisite: MPC20
This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include: algebraic, transcendental and piecewise functions, rational expressions, inequalities (including absolute value), limits, differentiation and integration.

Foundations of Math 30 (MAF30)
Prerequisite: MAF20
This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include: algebraic, transcendental and piecewise functions, rational expressions, inequalities (including absolute value), limits, differentiation and integration.

Math Pre-Calculus 30 (MPC30)
Prerequisite: MPC20
This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include: algebraic, transcendental and piecewise functions, rational expressions, inequalities (including absolute value), limits, differentiation and integration.

Foundations of Math 30 (MAF30)
Prerequisite: MAF20
This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include: algebraic, transcendental and piecewise functions, rational expressions, inequalities (including absolute value), limits, differentiation and integration.

Math Pre-Calculus 30 (MPC30)
Prerequisite: MPC20
This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include: algebraic, transcendental and piecewise functions, rational expressions, inequalities (including absolute value), limits, differentiation and integration.

Calculus 30 (CAL30)
Prerequisite: MPC30
This is an advanced placement course. This challenging university-level course prepares students to write the 3 ½ hour internationally recognized AP Calculus exam in early May. Students must register concurrently in Integral Calculus and Math Pre-Calculus 30.

Integral Calculus 30 (CAL30I)
Prerequisite: MPC30
Integral Calculus is designed to challenge motivated and mathematically able students and to prepare them for the rigors of post-secondary mathematics. Students will explore more advanced Calculus topics than those that are studied in Calculus 30 and will thereby consolidate and strengthen their algebraic and calculus understanding and skills.

Calculus 30AP (CAL30PI)
Prerequisite: MPC30
This is an advanced placement course. This challenging university-level course prepares students to write the 3 ½ hour internationally recognized AP Calculus exam in early May. Students must register concurrently in Integral Calculus and Math Pre-Calculus 30.
Physical Education 9 (PEF09/PEM09)
Grade 9 Physical Education is a non-semestered class that will focus on team and individual activities. Physical Education will be evaluated using a letter system (N – not meeting, B – beginning to meet, M – meeting, E – Exceeding). Approximate class fee of $28 plus $6 for a lock.

Health Education 9 (HEA09)
This class will develop the understanding and skills necessary to take action to improve health; help to make informed decisions based on health-related knowledge, and apply decisions that will improve personal health and/or the health of others. Health Education will be evaluated using a letter system (N – not meeting, B – beginning to meet, M – meeting, E – Exceeding).

Career Education 9 (CAR09)
This class focuses on personal and career development. Students will investigate personal growth necessary for future careers; connect their learning with the community, and develop life and work plans based on their preferred future. Students will have opportunities to explore career options and their interests and abilities. Career Education will be evaluated using a letter system (N – not meeting, B – beginning to meet, M – meeting, E – Exceeding).

Wellness 10 (WLM10/WLF10)
In Wellness 10, students acquire the knowledge, skills and confidence needed to take action towards a healthy active lifestyle.

Active Living 20L (ALF20)
This course allows students to learn more about and focus on their own health and wellness as well as providing an opportunity to promote and encourage lifelong, healthy, active lifestyles. The students will learn to live actively and provide leadership through positive community interactions. Approximate class fee of $75.

Physical Education 20 (PED20)
Recommendation: WLF10/WLM10
Physical Education 20 will emphasize the importance of lifelong activity. Many sports and activities will be introduced to students, including many field trips to different sport and fitness venues. Students will be expected to give up part of their noon hours to accommodate travel time to and from out of school facilities. There is a leadership component to the PED20 class that requires students to be involved in volunteer activities. A fee of $100 is charged to cover the costs of facility rentals.

Active Living 30L (ALF30)
Recommendation: WLF10/WLM10
This course is for those students who have made their own mental health and wellness a priority and are ready to be a leader in this respect. They see the lifelong benefit of promoting and encouraging healthy, active lifestyles for themselves and others. Approximate class fee of $75.

Physical Education 30 (PED30)
Recommendation: WLF10/WLM10
Physical Education 30 will emphasize the importance of lifelong activity. Students will be involved in the process of selecting what sports and activities their class would be most interested in experiencing. Students will be expected to give up part of their noon hours to accommodate travel time to and from out of school facilities. There is a leadership component to the PED30 class that requires students to be involved in volunteer activities. A fee is charged to cover the costs of facility rentals. Approximate class fee of $100.
Band 9 (BAN9-N)
This course focuses on the continued development of musicianship through instrumental performance of quality band repertoire, technical studies and listening to/viewing and analysis of appropriate models. Band 9 students are expected to perform with the Junior concert band, which performs at concerts and school functions through the year. Private practice outside of class is an expectation in order to ensure success. Approximate class fee of $10.

Choir 9 (CHO9-N)
This course introduces students to the fundamentals of choral singing by developing vocal technique, musical literacy, ear training and listening skills. Students explore a diverse selection of choral repertoire representing numerous styles of music, historical periods, cultures and languages. The program is chiefly participatory, making regular attendance at rehearsals and performances very important. One day a week the class meets before school at 7:40 a.m. and twice a week during the noon hour.

Band 10 (BAN10-N)
Recommendation: BAN9-N
A continuation of Band 9. This course focuses on the development of musicianship through performance of quality band repertoire and technical studies. Band 10 students are expected to perform in the Junior concert band, which performs at concerts and school functions throughout the year. Private practice outside of class is an expectation in order to ensure success. Approximate class fee of $10.

Choral 10 (CHO10-N)
Recommendation: CHO9-N
This course introduces students to the fundamentals of choral singing by developing vocal technique, musical literacy, ear training and listening skills. Students explore a diverse selection of choral repertoire representing numerous styles of music, historical periods, cultures and languages. The program is chiefly participatory, making regular attendance at rehearsals and performances very important. One day a week the class meets before school at 7:40 a.m. and twice a week during the noon hour.

Drama 10 (DRA10G)
Musical Theatre
This is a project based course in which students will receive a credit for Drama 10. Among projects in this course, students will perform a musical theatre production. This course requires a considerable amount of rehearsal outside of class time; therefore students must recognize that a high level of commitment is required throughout the semester. Students will develop their skills in acting, singing and dancing. Approximate class fee of $15.

Drama 20 (DRA20G)
Musical Theatre
This is a project based course in which students will receive a credit for Drama 20. Among projects in this course, students will perform a musical theatre production. This course requires a considerable amount of rehearsal outside of class time; therefore students must recognize that a high level of commitment is required throughout the semester. Students will develop their skills in acting, singing and dancing. Approximate class fee of $15.

Band 20 (BAN20-N)
Recommendation: BAN10-N
This course is a continuation of Band 10. Band 20 students are expected to perform with the Senior concert band, which performs frequently at concerts and school functions throughout the year. This class meets before school on Monday, Wednesday and Friday at 7:30 a.m. Private practice outside of class is an expectation. Approximate class fee of $10.

Choral 20 (CHO20-N)
Recommendation: CHO10-N
This course introduces students to the fundamentals of choral singing by developing vocal technique, musical literacy, ear training and listening skills. Students explore a diverse selection of choral repertoire representing numerous styles of music, historical periods, cultures and languages. The program is chiefly participatory, making regular attendance at rehearsals and performances very important. One day a week the class meets before school at 7:40 a.m. and twice a week during the noon hour.

Drama 30 (DRA30G)
Musical Theatre
This is a project based course in which students will have the opportunity to develop their skills in acting, singing, and dancing. This course requires a considerable amount of rehearsal outside of class time; therefore students must recognize that a high level of commitment is required throughout the semester. Approximate class fee of $15.
Arts

Guitar 10 (GUI10L)
This is an introductory course that includes classical and folk guitar styles as a soloist and in duets, chording, note reading, theory and ear training. This course is designed for students with no previous experience on the guitar.
*This course does not meet one of the Arts Education requirements.

Visual Art 10 (VAR10)
This course is based on the drawing systems studied in Arts Ed 9, with emphasis continuing on drawing. Students will continue to develop self-expression and technical skills through a variety of media including pencil, conte and paint. Approximate class fee of $25

Pre-AP Visual Art 10 (VAR10S)
Artistically advanced students who have completed the Arts Ed course (or permission of instructor) are invited with the intention of taking Visual Art 20S and Advanced Placement Studio Art 30 in order to develop a portfolio of work for submission to the College Board.
Emphasis will be placed on establishing an understanding of the AP Studio Art requirements. Approximate class fee of $50

Dance 10 (DAN10)
In this course, students will explore a wide variety of dance forms in order to develop an increased awareness of the range of dance styles. This course is for all levels of dancers. Approximate class fee of $15

Guitar 20 (GUI20L)
Recommendation: GUI10
This class is a continuation of Guitar 10. This intermediate course includes classical and blues guitar styles, ensembles, solos, chording, note reading, theory and ear training. This course is designed for students with some previous experience on the guitar. Since a major component of this course will involve independent study, students in this class should be self-motivated.
*This course does not meet one of the Arts Education requirements.

Instrumental Jazz 20 (JAZ20)
Recommendation: BAN10-N
Instrumental Jazz 20 is designed for students to explore the craft of improvisation, which is at the heart of jazz. This course is open to Grade 11 and 12 students who are concurrently enrolled in band. Guitarists/vocalists may participate, subject to an audition/ interview with the instructor.

Visual Art 20 (VAR20)
This course features the introduction of more advanced techniques. Units in colored pencils rendering and acrylics will be studied. Students will continue to build on previous artistic experience in a variety of two and three dimensional formats. Approximate class fee of $25

Pre-AP Visual Art 20 (VAR20S)
Emphasis will be placed on establishing an understanding of the AP Studio Art requirements. Those students who have completed Visual Art 10 course and intend on taking Advanced Placement Studio Art 30 to develop their portfolio of work for submission to the College Board. Approximate class fee of $50

Dance 20 (DAN20)
This course builds on skills and knowledge taught in grades 9 and 10. It is an exploration of the technique, theory, and performance of a wide variety of dance forms. Students will work individually and in cooperative groups in their study of dance. This course is for all levels of dancers. Approximate class fee of $15.

Guitar 30 (GUI30L)
Recommendation: GUI20
This class is a continuation of Guitar 20. This advanced course includes classical and jazz guitar styles, ensembles, solos, chording, note reading, theory and ear training. This course is designed for students who already possess a command of basic guitar technique. Since a major component of this course will involve independent study, students in this class should be self-motivated.
*This course does not meet one of the Arts Education requirements.

Instrumental Jazz 30 (JAZ30)
Recommendation: JAZ20
Instrumental Jazz 30 is a continuation of Instrumental Jazz 20, but with increased emphasis on performance. The goal is to create independent jazz musicians involved in a lifelong learning aimed at creating quality performances of standard jazz repertoire.

Visual Art 30 (VAR30)
Since most students have an in-depth background of understanding the principles, elements, techniques and various media, projects will now be more challenging and individually driven. This course will advance students visual art and design repertoire. Approximate class fee of $25

Advanced Placement Studio Art 30 (VAR30P)
Prerequisite: VAR20 and permission from the instructor
Highly motivated students will compile a portfolio in one of the following areas: drawing, 2D design or 3D design. In addition to instructor assessment the portfolio will be graded at an external evaluation in May by the College Board. Life drawing, guest artist, field trips and a final exhibition will be highlights of this course. Approximate class fee of $75.

Visual Art 30L – Studio Art (VAR30L)
This semester two course is designed to meet the needs of Advanced Placement students who are completing a portfolio for submission to the college Board in May. Students will be completing the Concentration section of their portfolios, organizing the final exhibition and creating their own portfolio/website. Approximate class fee of $40.

Dance 30 (DAN30)
This course builds on skills and knowledge taught in grade 9, 10 and 11. It is an exploration of techniques, theory, and performance of a wide variety of dance forms. This course is for all levels of dancers. Approximate class fee of $15.
Practical and Applied Arts

Arts Education 9 (ARE09)
Students will be exposed to the four strands of arts education - Music, Dance, Drama, and Art.

Practical and Applied Arts 9 (PAA09)
This is an introductory course, which enables students to experience four Practical and Applied Arts Areas: Drafting, Woodworking, Clothing and Food Studies. Students will spend approximately four weeks in each component. Drafting is a combination of sketching and CAD, with an emphasis on orthographic, isometric and oblique projections and scaling. Woodworking will include hand tool use, some power tool operations and an introduction to the wood lathe. Students will complete one major project and possibly some smaller ones if the time permits. Clothing will include learning to operate a sewing machine and the study of basic techniques in clothing construction. Projects will include: samples and pajama pants. Students are responsible for the purchase of the sewing supplies for this course. Food Studies will include preparing a variety of foods utilizing the principles of Canada's Food Guide. Approximate class fee of $25.

Drafting and CAD 10 (DRF10)
This course is an introduction to the field of drafting. Both mechanical and Computer Assisted Drafting (CAD) will be used. Each student will have a design project. Students planning on entering engineering, architectural or design schools are encouraged to take this course. Drafting is a combination of sketching and CAD with an emphasis on orthographic, isometric and oblique projections and scaling. Woodworking will include hand tool use, some power tool operations and an introduction to the wood lathe. Students will complete one major project and possibly some smaller ones if the time permits. Clothing will include learning to operate a sewing machine and the study of basic techniques in clothing construction. Projects will include: samples and pajama pants. Students are responsible for the purchase of the sewing supplies for this course. Food Studies will include preparing a variety of foods utilizing the principles of Canada's Food Guide. Approximate class fee of $25.

Construction & Carpentry 10 (CAC10)
Construction & Carpentry 20 (CAC20)
Recommended: CAC10
This course provides an introduction to the use of tools used within a wood working shop. Hand tools, both manual and power, will be introduced with the intent of knowing when each tool is a viable option for the task at hand and how to safely operate each. Larger stationary power tools within a wood working shop will also be introduced and the safe operation of each will be a focus. Projects are assigned that will require students to read blueprints, follow instructions and problem solve. Recognizing what tools are for which job and using them correctly, is a major focus of this course. Approximate class fee of $75.

Food Studies 10 (FOO10)
Food Studies 30 (FOO30)
Recommended: DRF20
This course provides students with an opportunity to study food preparation for a full semester. Students will study a variety of modules including safety, baking basics, food and nutrition, eggs, snacks, soups, salads and sandwiches. Students are able to earn a Food Safe Certificate in this course. Approximate class fee of $30

Clothing, Textiles, and Fashion 10 (CLO10)
Clothing, Textiles, and Fashion 30 (CLO30)
Recommended: CAC20
This course has been developed for students with a keen interest in sewing. Students complete a variety of sewing projects including: an apron, sock monkey projects and their choice. If students did not complete Grade 9PAA, they will be expected to make a pair of pajama pants. Students are responsible for the purchase of supplies for their sewing project. All students will have to create a Pinterest account and create a project using it. Approximate class fee of $15

Drafting and CAD 20 (DRF20)
Recommended: DRF10
Intermediate drafting skills are developed using CAD. Topics covered include auxiliary views, pattern development, dimensioning, fasteners, detailed and assemble working drawings and residential house designs.

Construction & Carpentry 20 (CAC20)
Recommended: CAC10
This course is for the student who is interested in the creative elements of design and home interiors. Students will learn how to read and draw floor plans. Areas of study may include furniture, lighting, color, and design presentation. Approximate class fee of $40

Interior Design 30 (INT30)
This course is for the student who is interested in the creative elements of design and home interiors. Students will learn how to read and draw floor plans. Areas of study may include furniture, lighting, color, and design presentation. Approximate class fee of $15.

Entrepreneurship 30 (ENT30)
This course will provide students with opportunities to acquire knowledge and develop skills necessary to plan and begin a venture as well as appreciate the role that entrepreneurs play in our society and economy. Get your Dragon’s Den/Shark Tank ideas ready to go!
Accounting 10 (ACC10)
Available through the Online Learning Centre only.

Accounting 20 (ACC20)
Available through the Online Learning Centre only.

Accounting 30 (ACC30)
Available through the Online Learning Centre only.

Photography 20 (PHO20)
This hands-on course looks at different camera types and makes use of basic and intermediate camera controls. Students will investigate different photographic terms, styles and compositional elements.

Career and Work Exploration 30 (CWA30/CWB30)
This is a two credit course which allows students to explore their career interests in a very practical manner. Students will complete two work placements based on their personal preferences. They will work during the afternoons for three to three and one half hours for approximately two five week periods. This course gives the student the crucial practical work experience that employers are looking for.

Photography 30 (PHO30)
This class builds on skills developed in Photography 20 and makes use of the more advanced camera controls. Students will also investigate the business side of photography.

Life Transitions 30 (LTR30)
This course deals with the major changes encountered throughout life in the family, in health care and in the work place. Topics covered include conflict, reproductive health, marriage, parenting, money management, independent living and career planning.
Other Electives

**Dual Credit Courses**
There are **two types** of Dual Credit Courses available to high school students:

1. The first involves a **wide variety of courses** which high school students can take that are offered by post-secondary institutions (University of Saskatchewan, University of Regina, and Saskatchewan PolyTechnic). Dual credit means you earn both high school credit and credit towards post-secondary by taking one course. For example, students can register to take a first-year Commerce class which also counts as the high school “Introduction to Business 30L” course. This is a great way to get a better idea of what is involved in pursuing a particular post-secondary program as well as to reduce your workload for when you are in post-secondary. These courses are offered by Distance Education (usually online) and require a significant amount of self-direction and independent study. Students are responsible for paying their own tuition and fees for these courses.

2. The second type of Dual Credit is for students who take courses outside of school through organizations other than post-secondary institutions. Common ones include: the Royal Conservatory of Music, the Lifesaving Society of Canada (Saskatchewan Branch), and Saskatchewan Volleyball. Upon production of the certificates of completion, students obtain high school credits such as: **Music 10, 20 or 30 RC** (Royal Conservatory of Music Programming), **Lifeguard 30L** (National Lifeguard Award) or **Volleyball L2 30L** (Saskatchewan Volleyball Referee Credit Program Level 2 Referee).

More information about either opportunity is available in Student Services.

**Special Project 10 (SPE10)**
A Special Project 10 Credit is an opportunity for you to receive credit recognition for self-directed learning outside the parameters of established curricula in the province of Saskatchewan. The Special Project Credit may be used to fulfill elective requirements for graduation. The project proposal must be in place and approved prior to the student beginning the project. Each project shall be based on at least 100 hours of work.

**Special Project 20 (SPE20)**
A Special Project 20 Credit is an opportunity for you to receive credit recognition for self-directed learning outside the parameters of established curricula in the province of Saskatchewan. The Special Project Credit may be used to fulfill elective requirements for graduation. The project proposal must be in place and approved prior to the student beginning the project. Each project shall be based on at least 100 hours of work.

**Special Project 30 (SPE30)**
A Special Project 30 Credit is an opportunity for you to receive credit recognition for self-directed learning outside the parameters of established curricula in the province of Saskatchewan. The Special Project Credit may be used to fulfill elective requirements for graduation. The project proposal must be in place and approved prior to the student beginning the project. Each project shall be based on at least 100 hours of work.

**Apprenticeship A20 and B20 (APA20 and APB20)**
Students (ages 16 and older) employed under the supervision of a journeyperson in a designated trade may earn up to four secondary level Apprenticeship credits (A20, B20, A30, and B30) on the basis of work proposed and completed by the student. Only students who have paid employment in a trade are eligible for Apprenticeship credits. Each credit is based on 100 hours of work which can be completed outside of the school-day (e.g. after school, weekends, etc.). **NOTE: A separate credit application is required for these courses and can be picked up in Student Services. The credit application must be finalized and approved prior to beginning the course hours.** Students may begin these courses at any time during the school year – not only at the beginning of each semester.

**Apprenticeship A30 and B30 (APA30 and APB30)**
Students (ages 16 and older) employed under the supervision of a journeyperson in a designated trade may earn up to four secondary level Apprenticeship credits (A20, B20, A30, and B30) on the basis of work proposed and completed by the student. Only students who have paid employment in a trade are eligible for Apprenticeship credits. Each credit is based on 100 hours of work which can be completed outside of the school-day (e.g. after school, weekends, etc.). **NOTE: A separate credit application is required for these courses and can be picked up in Student Services. The credit application must be finalized and approved prior to beginning the course hours.** Students may begin these courses at any time during the school year – not only at the beginning of each semester.

Registration for these courses is **separate** from the regular course selection process. See your counsellor for more details.
Non-Credit Courses

Resource (RESX/RE2X)
Prerequisite: Permission to take Resource is by consultation with Student Services and the Resource teacher. The Resource program is designed to provide support to students in Grades 9-12. Students receive support in their core academic classes required for graduation through organizational and time management skills, study methods, and exam writing, with the goal to become independent learners. Specific learning concepts and strategies are taught to enhance a student’s success. Additional supports are offered to assist students with social skills and their overall well-being. Resource teachers work collaboratively with classroom teachers to differentiate the content, process, and product in classes to meet student learning needs. Students are timetabled into the Resource room for one period each day. This is a non-credit class.

Driver Education (DRI10)
This is a non-credit course that is offered over the noon hour. Please keep that in mind when booking any appointments. SGI has a very strict attendance policy. Extended holidays do not count as excused absences. Marion M. Graham has permanent simulators which allows driver education classes to run continuously from September to June. Students must be 15 years of age before a driver education class begins in order to be eligible to take the course. Placement into a driver education class is prioritized by date of birth. Upon confirmation of enrollment students must have a SGI customer number and set up a “MySg” account in order to write the online exams. Any SGI issuing office can do this. The customer number will be required on the first day of class. One week before the class begins, students will receive a letter in the mail reminding them of when their driver education class begins. Students may be removed if the above requirements have not been met.
French 9 (FRE09)
French 9 builds on language skills obtained in elementary French.

French 10 (FRE10)
This course is a continuation of the French 9 communicative and experiential approaches to basic grammatical concepts. Topical units are used to further develop understanding and opportunities to practice the language.

French 20 (FRE20)
Prerequisite: FRE10
This course is a continuation of the French 10 oral approach with accompanying grammatical concepts, readings and topical units. Comprehension and language usage receives a greater emphasis.

French 30 (FRE30)
Prerequisite: FRE20
At this level the second language is used to further develop grammatical concepts. The emphasis is to produce functionally, bilingual students. Communication skills include reading, writing, speaking and listening. Oral and written communication skills will be emphasized.

German 10 (GER10)
Guten Tag! (Hello!) Interested in travelling to Europe? Want to learn one of the most commonly spoken languages there? Than German is for you! German 10 is an exciting, practical introduction to the German language, with focus on oral and written communication. No previous knowledge is required. Students taking German 10 are eligible to participate in a three-month exchange trip to Germany. Open to all grades.

German 20 (GER20)
Prerequisite: GER10
Students continue to gain proficiency in their German language skills. Again, both oral and written aspects of communication are a focus. Students expand their vocabulary and grammatical skills through a variety of stimulating, interesting assignments. The Internet, computers, video, audio, along with more traditional media are used throughout this course.

German 30 (GER30)
Prerequisite: GER20
Vielen Dank! This course is a continuation of language learning from German 20.
12 French Immersion Credits are needed to meet the requirements for Bilingual Certification by the Ministry of Education.
Français 10 (FRA10F)
Learn the basics of becoming a journalist, discover an appreciation of French music, study and try your hand at writing short stories, while continuing to develop the four components of second language learning (speaking, listening, reading and writing).

Fondements des mathématiques et précalcul 10 (MFP10F)
Prerequisite: MTH09F
This course is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs. Topics include: measurement, trigonometry, exponents, polynomials, factoring, irrational numbers, relations and functions.

Sciences 10 (SCI10F)
Prerequisite: SCI09F
This course is a continuation of Science 9. It is a general survey course with units on motion, chemistry and ecology. The connections among science, technology and society are emphasized. This course has a strong activity base.

Histoire 10 (HIS10F)
Prerequisite: HUM09
This course includes political and economic decision-making, and international political relations. Students analyze political decision-making and how these decisions affect society. Current issues and historical examples such as the French Revolution, Industrial Revolution, and Imperialism are used to help students gain a better understanding of concepts studied.

Français 20 (FRA20F)
Become an anchorman and create your own news show. Study the French language and culture through popular Francophone animation and novels. The course is designed to further refine communicative proficiency, creative and critical thinking, and autonomous learning.

Français Immersion Intégré A20 (FIA20F)
Prerequisite: FRA10
Students are advised to take FIA20F in their grade 11 year and FIB20F in their grade 12 year. The integrated courses are offered for two credits in the Immersion program. In these courses, the study of language is integrated with other disciplines.

Fondements des mathématiques 20 (MAF20F)
It is recommended that immersion students take this course in their grade 10 year. This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include: logical reasoning, proportional reasoning, geometry, trigonometry, algebra, statistics and probability.

Fondements des mathématiques 30 (MAF30F)
Prerequisite MAF20F
It is recommended that immersion students take this course in their grade 11 year. This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus.

Histoire 20 (HIS20F)
Prerequisite: HIS10F
This course is comprised of a study of contemporary world history including themes such as nationalism, imperialism, militarism and totalitarianism. The course includes two world wars and the rise of dictatorships with an emphasis on current world.

Français 30 (FRA30F)
In this class, students have the opportunity to refine their French speaking and writing skills through a variety of engaging and interesting units. The goal for this class is for students to become functionally bilingual by the end of the semester, meaning they are able to understand and be understood in French while studying, working or travelling in any Francophone part of the world. Students explore French literature, cinema and poetry in this class.

Français Immersion Intégré B20 (FIB20F)
Prerequisite: FRA10
Students are advised to take FIA20F in their grade 11 year and FIB20F in their grade 12 year. The integrated courses are offered for two credits in the Immersion program. Students will study the basics of psychology and apply their new knowledge of persuasion in the marketing and entrepreneurship units.

Sciences Sociales Immersion 30 (SOC30F)
This course in Canadian Studies includes the study of geography, First Nations people, French-English relations, Canadian-American relations, the west, multiculturalism, Canadian political and economic history and the function of our government.
It is recommended that students progress in the following order. Exceptions may be made in consultation with the EAL teacher and Student Services counselors.

**EAL A10L**
- Benchmark A1.1
- Can answer with one word answers to questions. Can read and write the English Alphabet and words. Can understand common questions like, “How are you?”

**EAL B10L**
- Benchmark A1.2
- Can answer a few words to questions. Can read and write full sentences in English with grammatical mistakes. Can understand common sentences and talk about interests and feelings.

**EAA 20L**
**EAB20L**
- Benchmark A2.1, A2.2, B1.1
- Can ask and answer questions on familiar topics in full sentences. Can read and write using paragraphs and basic verb tenses with few mistakes. Can write and speak about interests and experiences.
- Can socialize and interact with peers in English, with grammatical mistakes.

**Sheltered English 9 A/B and English 10 A/B in combination with Tutorials**
- Benchmarking B1.1, B2
- Able to understand and respond to conversations with native English speakers with little to no correction. Can speak and write with humor and analysis. Can analyze text and develop thesis with little to no support. Is beginning to read full novels and news articles with some support. Working towards, or able to, write essays and other lengthy pieces with little to no support.