

Archbishop M.C. O'Neill Catholic High School



134 Argyle Street, Regina, Saskatchewan S4R 4C3
Telephone (306) 791-7240

<http://www.rcsd.ca/school/Archbishop>



Grades 10, 11 & 12

“Once a Titan Always a Titan”

2024 – 2025

Archbishop M.C. O'Neill Catholic High School PREREQUISITE REQUIREMENTS

Grade 9	Grade 10	Grade 11/12	
-----	Accounting 10	Accounting 20	Accounting 30
English Language Arts A9 English Language Arts B9	English Language Arts A10 AND/OR English Language Arts B10	English Language Arts 20	English Language Arts A30 English Language Arts B30
English Language Arts A91 English Language Arts B91	English Language Arts A11 AND/OR English Language Arts B11	English Language Arts 21	English Language Arts A31 English Language Arts B31
English Language Arts A9 English Language Arts B9	English Language Arts A10 AND/OR English Language Arts B10	Creative Writing 20	-----
Français 9	Français 10	Français 20	Français 30
Français 9	Français 10	Français intégré A20	-----
French 9 (recommended)	French 10	French 20	French 30
Mathematics A9 Mathematics B9 OR Mathématiques A9 Mathématiques B9	Math Foundations and Pre-calculus 10 OR Maths fondements et précalcul 10	Math Foundations 20 OR Maths fondements 20	Math Foundations 30 OR Maths fondements 30
		Math Pre-calculus 20 OR Maths précalcul 20	Math Pre-calculus 30 OR Maths précalcul 30
	Math Workplace and Apprenticeship 10	Math Workplace and Apprenticeship 20	Calculus 30 Math Workplace and Apprenticeship 30
Mathematics A91 Mathematics B91	Math 11	Math 21	-----
Science 9 OR Sciences 9	Science 10 OR Sciences 10	Physical Science 20	Chemistry 30 AND/OR Physics 30
		Environmental Science 20 OR Health Science 20	Biology 30
		Physical Science 20 AND /OR Environmental Science 20	Earth Science 30
		Computer Science 20	Computer Science 30
Science 91	Science 11	Environmental Science 21 OR Health Science 21	-----
Social Studies 9 OR Sciences sociales 9	History 10 OR Native Studies 10 OR Histoire 10	-----	Social Studies 30: <i>Canadian Studies</i> OR Native Studies 30: <i>Canadian Studies</i> OR Sciences sociales 30
Social Studies 91	History 11 OR Native Studies 11	-----	Social Studies 31: <i>Canadian Studies</i>
-----	Spanish 10	Spanish 20	Spanish 30

No prerequisite requirements exist for the following courses:

Band 10, 20, 30
Choral 10, 20, 30
Communications Media 10, 20, 30
Drama 10, 20, 30
Entrepreneurship 30
Financial Literacy 10
Littérature financière 10
Food Studies 10, 30
French 10
Histoire 20

History 20, 21
Instrumental Jazz 10, 20, 30
Law 30
Music 10, 20, 30
Native Studies 20
PAA B10, A20, B20, A30, B30
Personal Finance 30L
Photography 10, 20, 30
Physical Education 20, 30 (AFL / HP)
Psychology 20, 30

Robotics and Automation 10, 30
Spanish 10
Sports Medicine 20L
Studio Art 20L, 30L
Transitions dans la vie 30
Visual Art 10, 20, 30
Vocal Jazz 10, 20, 30
Wellness 10

ARTS - VISUAL

VISUAL ART 10

Experience visual art as an artist and audience. Learn skills and techniques utilizing a variety of media (graphite, pastel, colored pencils, acrylic paint) to explore topics such as ways of thinking, and international, local and regional culture.

VISUAL ART 20

Experience visual art as an artist and audience. Learn skills and techniques utilizing a variety of media (pastels, colored pencils, acrylic paint, graphite, watercolors and ink). Explore a number of topics including: inspiration, popular culture and cultural communities.

VISUAL ART 30

Experience visual art as an artist and audience. Create projects utilizing a variety of media (acrylic paint, graphite, clay, mixed media). Explore a number of topics including: change, Canadian art, innovations and independent study.

STUDIO ART 20L

**Recommended - Visual Art 20*

Throughout this course, students develop identity, interdependence and voice through inquiry learning. During this course, students work in a variety of mediums and compositions in order to begin building a physical and digital portfolio. Students will understand and appreciate the role of visual artists and their voice in history and contemporary society. By the end of this course, students are exposed to more depth and breadth with media and technique in order to pursue their own areas of interest. Students will have an in-depth understanding of research, style and “voice”. As well, the sketchbook is an integral part of their creative process as artists. Students look through the lens of Critical/Responsive and Cultural/Historical as a source of inspiration for this course. This course becomes less teacher directed and more inquiry based from the student’s perspective. This course is intended to prepare students for the demands, ways of thinking and working required for success in AP Visual Art 30. While it is recommended for those wishing to take AP art in their grade 12 year, this course is not a prerequisite.

STUDIO ART 30L / VISUAL ART 30 AP (Non-semestered)(2 credits)

**Recommended - Studio Art 20L*

Advanced Placement Studio Art 30 is a highly demanding and highly rewarding program. Students will explore new mediums, techniques and subjects while expanding their creative mind and moving their art to new levels. Students can choose from three areas: drawing, 2-dimensional design, or 3-dimensional design. Within the area of choice, the student will complete a portfolio of work to be evaluated in May by the AP College Board. Each portfolio must meet specific guidelines broken into 3 sections: **quality** (which requires 5 actual original works of art); **concentration** (which requires 12 slides of original artwork organized around 1 concept or theme); and **breadth** (which also requires 12 slides of original artwork demonstrating a variety of concepts, media and approaches). Although requirements for this course are demanding, they promise to provide the student with an unforgettable and invaluable experience in art.

DRAMATIC ARTS

DRAMA 10 / DRAMA 20 / DRAMA 30

Drama classes concentrate on developing basic acting and production techniques. Emphasis is placed on training the voice and the body, developing a character, blocking, timing, and speaking. Throughout the course, students’ progress from producing short scenes and skits, to one-act plays to larger productions as time allows.

INSTRUMENTAL MUSIC

BAND 10 / BAND 20 / BAND 30 (Non-semestered) (Early Bird / Noon)

The O’Neill High School Band is a performing ensemble. The Band takes part in meaningful performance experiences such as Concerts, Retreats, Optimist Festival Performances, annual Band Trips, etc. The Concert Band meets in the early bird period from 7:40am – 8:35am two to three times a week. Additionally, every student has a sectional once a week at lunch. The Band program will provide students with an opportunity to pursue musical excellence as individuals and as a team. The specific aim of the band program is to enable students to communicate effectively through instrumental music and to understand and value a variety of musical expressions throughout life. We seek to provide as well-rounded a musical education as possible with the hope that students will enjoy being involved with music, not only while they are in school, but for the rest of their life.

INSTRUMENTAL JAZZ 10 / INSTRUMENTAL JAZZ 20 / INSTRUMENTAL JAZZ 30

Instrumental Jazz are auditioned ensembles that rehearse once per week. It is an extension of the Band program and therefore students must be registered in Band as well. The class focuses on jazz repertoire, improvisation, and jazz pedagogy. Students are expected to practice the repertoire on their own between rehearsals.

MUSIC 10 / MUSIC 20 / MUSIC 30

An independent study of a musical instrument is completed on a contract basis. Instruments that can be studied include: guitar, keyboard, bass guitar, banjo, mandolin, cello, and various other instruments. These instruments are studied for the entire semester and students use a variety of method books and medias for instruction. Students are also required to achieve a level of Preliminary Rudiments of Theory for grades 10, 11, and 12 by the time they complete the specific grade. Students will be placed at an appropriate level no matter what grade they are working at through the use of a pre-test. A look at music history and the musicians who shaped our music throughout history will also be completed within this course.

VOCAL MUSIC

CHORAL 10 / CHORAL 20 / CHORAL 30 (Non-semestered) (Early Bird or Noon)

Choral is offered as a credit class on Tuesdays and Fridays either as an early bird or noon hour class (student's choice). Students are expected to participate in Co-curricular Choir, which performs at school music functions throughout the year. Evaluation is based upon individual musical growth, attitude, preparation and performance.

VOCAL JAZZ 10 / VOCAL JAZZ 20 / VOCAL JAZZ 30 (Non-semestered) (Noon) **Audition required**

The Vocal Jazz course will include performance, history, harmony, and theory all related to the jazz idiom. This course requires an above-average singing ability and is intended for students who have a great interest in vocal music. The prerequisite for this course is Grade 9 Vocal Jazz, or Grade 9 Choral or permission of the director based on an audition. Students in this class must also be registered in Choral 10.

ENGLISH

ENGLISH LANGUAGE ARTS A10

**Prerequisite - English Language Arts A9*

Themes of "Challenges," "The Unknown," and "Canadian Frontiers," are explored in this course which uses a resource-based approach in the selection of literature. The 6 strands of language - reading, writing, listening, speaking, viewing and representing are given equal recognition in the study of each theme.

ENGLISH LANGUAGE ARTS A11 (Modified ELA A10 – Restricted Entry)

**Prerequisite - English Language Arts A91*

ELA A11 is a modified course that follows the same themes/units as ELA A10 with major adaptations and curricular outcome modifications to allow for student success.

ENGLISH LANGUAGE ARTS A10 AD (Advanced)

**Prerequisite - English Language Arts A9*

The ELA A10 Advanced and ELA B10 Advanced courses serve as the second step in preparing students for the AP English course at the grade 12 level. Enriched units of study, as well as more challenging selections and opportunities for independent study are provided. Academically driven students that exhibit a strong work ethic, self-motivation and dedication to go above and beyond in reading and writing are considered ideal candidates for this advanced course. **Students are evaluated according to the same outcomes and indicators as for all ELA 10 students.**

ENGLISH LANGUAGE ARTS B10

**Prerequisite - English Language Arts B9*

Reading, writing, speaking, listening, viewing and representing (the strands of language study) are integrated in this issue-based course. English Language Arts B10 examines the themes of "Equality," "Decisions" and "Environment and Technology" using resource-based selections.

ENGLISH LANGUAGE ARTS B11 (Modified ELA B10 – Restricted Entry)

**Prerequisite - English Language Arts B91*

ELA B11 is a modified course that follows the same themes/units as ELA B10 with major adaptations and curricular outcome modifications to allow for student success.

ENGLISH LANGUAGE ARTS B10 AD (Advanced)

**Prerequisite - English Language Arts B9*

The ELA A10 Advanced and ELA B10 Advanced courses serve as the second step in preparing students for the AP English course at the grade 12 level. Enriched units of study, as well as more challenging selections and opportunities for independent study are provided. Academically driven students that exhibit a strong work ethic, self-motivation and dedication to go above and beyond in reading and writing are considered ideal candidates for this advanced course. **Students are evaluated according to the same outcomes and indicators as for all ELA 10 students.**

ENGLISH LANGUAGE ARTS 20

**Prerequisite - English Language Arts A10 and English Language Arts B10*

English Language Arts 20 advocates a unit approach to instruction using the suggested themes: “Starting Out – Beginning and Becoming” and “Moving Forward – Establishing and realizing.” The focus of the English Language Arts 20 curriculum is on the development of students’ language skills. In particular, the curriculum acknowledges the importance of using language for specific purposes, for specific audiences and contexts. As well, the curriculum identifies key outcomes and indicators in the speaking, listening, writing, viewing, representing and reading domains.

ENGLISH LANGUAGE ARTS 21 (Modified ELA 20 – Restricted Entry)

**Prerequisite - English Language Arts A11 and English Language Arts B11*

ELA 21 is a modified course that follows the same themes/units as ELA 20 with major adaptations and curricular outcome modifications to allow for student success.

ENGLISH LANGUAGE ARTS 20 AD (Advanced)

**Prerequisite - English Language Arts A10 and English Language Arts B10*

The English Language Arts 20 Advanced class serves as the third step in preparing students for the AP English course at the grade 12 level. Enriched units of study, as well as more challenging selections and opportunities for independent study are provided. Academically driven students that exhibit a strong work ethic, self-motivation and dedication to go above and beyond in reading and writing are considered ideal candidates for this advanced course. **Students are evaluated according to the same outcomes and indicators as for all ELA 20 students.** Students are encouraged to enroll in Creative Writing 20 in the other semester of their grade 11 year.

ENGLISH LANGUAGE ARTS A30

**Prerequisite - English Language Arts 20*

Canada is a diverse country made up of multiple regions, cultures, histories and identities. In addition to its diverse landscapes, Canada is a nation of many diverse voices and perspectives. Literature gives voice to a country and its writers help us understand the nature of the people who live here. English Language Arts A30, through an integrated approach, examines two main themes: “Canadian Landscapes” and “Canadian Perspectives: Distinct and Rich.” Students learn about language through reading, writing, listening, viewing, representing and speaking about material related to these themes.

ENGLISH LANGUAGE ARTS A31 (Modified ELA A30 – Restricted Entry)

**Prerequisite - English Language Arts 21*

ELA A31 is a modified course that follows the same themes/units as ELA A30 with major adaptations and curricular outcome modifications to allow for student success.

ENGLISH LANGUAGE ARTS B30

**Prerequisite - English Language Arts 20*

English Language Arts B30 examines “The Human Condition/In Search of Self” and “The Social Experience.” Students develop their writing, reading, listening, viewing, representing and speaking skills by examining literature and language concepts related to these themes.

ENGLISH LANGUAGE ARTS B31 (Modified ELA B30 – Restricted Entry)

**Prerequisite - English Language Arts 21*

ELA B31 is a modified course that follows the same themes/units as ELA B30 with major adaptations and curricular outcome modifications to allow for student success.

ENGLISH LANGUAGE ARTS A30 AP and ENGLISH LANGUAGE ARTS B30 AP (2 Credits)

**Prerequisite - English Language Arts 20*

The Advanced Placement course in English Literature and Composition will be an extension of ELA A30 and ELA B30 courses. “Challenging but rewarding” most aptly describes the 30-level AP English course. If you are a motivated, self-disciplined and lion-hearted individual who wants to be a step ahead at university, then this year-long course is for you! In addition to earning Ministry of Education credits for the required ELA B30 and ELA A30 high school courses, students improve their critical reading, writing, and test-taking skills, enabling them to better meet the demands of university courses. While this course is not easy, it is definitely worthwhile as the more intimate class setting fosters the development of a community of learners that share laughter, a love of learning, and a keen interest in the courses. **Students are evaluated according to the same outcomes and indicators as for all ELA 30 students.**

CREATIVE WRITING 20

**Prerequisite - English Language Arts A10 and English Language Arts B10*

In Creative Writing 20 students will explore their creative abilities, to discover their individual voice and refine their writing skills. Students will have the opportunity to read student and professional writers’ works and to pursue their own ideas and writing in a variety of forms. Through experience in creative writing, students are encouraged to see connections between their own writing, the writing of others and the broader world around them.

EAL (ENGLISH AS AN ADDITIONAL LANGUAGE)

ENGLISH AS AN ADDITIONAL LANGUAGE A20L (R)

Reading, writing, speaking, listening, viewing and representing (the strands of language study) are integrated in this culture-based course. EAL A20L examines the themes of “School and Community,” “Canada,” “Customs and Cultures” and “Planning for the Future” using language supported materials. **To be eligible for this class, students must be at a CFR level of A1.2, A2.1 or A2.2. It should be noted that this course does not replace compulsory ELA courses in Saskatchewan.**

ENGLISH AS AN ADDITIONAL LANGUAGE B20L (R)

Reading, writing, speaking, listening, viewing and representing (the strands of language study) are integrated in this culture-based course. EAL B20L examines the themes of “School and Community,” “Canada,” “Customs and Cultures” and “Planning for the Future” using language supported materials. **To be eligible for this class, students must have a CFR level of A2.2 or B1.1. It should be noted that this course does not replace compulsory ELA courses in Saskatchewan.**

SASKATCHEWAN CONTEXT FOR EAL STUDENTS 20L (R)

Reading, writing, speaking, listening, viewing and representing (the strands of language study) are integrated into this culture-based course through learning about Saskatchewan and Canada. The Saskatchewan Course focuses six essential questions that deal with the following: culture, geography, demographics and climate that make Saskatchewan unique; sports, recreation and leisure programs; community resources, rules and guidelines for living in SK and Canada; democracy, rights and responsibilities of government and citizens; environmental responsibilities; and jobs in Saskatchewan. **To be eligible for this class, students must be at a CFR level of A2.2 or B1.1. It should be noted that this course does not replace compulsory ELA courses in Saskatchewan.**

RELIGIOUS STUDIES

CATHOLIC STUDIES 10: UNDERSTANDING THE CALL TO EVANGELIZE

**Prerequisite - Catholic Studies 9*

The aim of Catholic Studies is for students to understand, value, and engage in their faith so that they may hear an invitation, or deepen their commitment, to live as followers of Jesus Christ. Throughout all grades, students investigate, apply and reflect on various aspects of these actions, which call upon the Church to:

- i. proclaim Jesus Christ
- ii. worship Christ through the sacraments
- iii. form a communion of people
- iv. give witness, and
- v. serve.

The Catholic Studies 10 curriculum focuses in part on the role and importance of evangelization. Students examine what it means to be called to evangelize and consider how and why the Church evangelizes.

CATHOLIC STUDIES 20: EXPLORING THE JOY OF A CATHOLIC IDENTITY

**Prerequisite - Catholic Studies 10*

The aim of Catholic Studies is for students to understand, value, and engage in their faith so that they may hear an invitation, or deepen their commitment, to live as followers of Jesus Christ. Throughout all grades, students investigate, apply and reflect on various aspects of these actions, which call upon the Church to:

- i. proclaim Jesus Christ
- ii. worship Christ through the sacraments
- iii. form a communion of people
- iv. give witness, and
- v. serve.

The Catholic Studies 20 curriculum focuses in part on the role and importance of Catholic identity. Students examine what it means to live as a disciple of Christ and how this affects the way that one lives one's life.

CATHOLIC STUDIES 30: EMBRACING SPIRITUAL AND RELIGIOUS LIFE

**Prerequisite - Catholic Studies 20*

The aim of Catholic Studies is for students to understand, value, and engage in their faith so that they may hear an invitation, or deepen their commitment, to live as followers of Jesus Christ. Throughout all grades, students investigate, apply and reflect on various aspects of these actions, which call upon the Church to:

- i. proclaim Jesus Christ
- ii. worship Christ through the sacraments
- iii. form a communion of people
- iv. give witness, and
- v. serve.

The Catholic Studies 30 curriculum focuses in part on the importance of being both a spiritual and religious person. Students examine how they are called by God to freely choose a life of service for others that will help to transform society and the world.

LANGUAGES

FRENCH 10

**Recommended - French 9*

French 10 will further develop the students' basic language vocabulary and knowledge of structures to complement those learned in previous grades. Communication skills will be used in daily activities.

FRENCH 20

**Prerequisite - French 10*

French 20, while providing for the continued development of listening and reading skills, begins to place a stronger emphasis on the expressive skills of speaking and writing.

FRENCH 30

**Prerequisite - French 20*

French 30 continues the development of the four language skills practiced in the earlier grades. The program is intended to ensure complete skill integration and to promote inter-skill reinforcement. They can expect to have a good grasp of basic French structures and vocabulary.

SPANISH 10

The Spanish 10 course of study will enable students to communicate effectively, within realistic limits, in Spanish. Students should develop an appreciation and understanding of the Hispanic culture. This class may enable them to take advantage of vocational and leisure opportunities. The course uses the communicative approach. Therefore, students will begin speaking Spanish from day one. Spanish 10 is open to grade 10, 11, and 12 students.

SPANISH 20

**Prerequisite - Spanish 10*

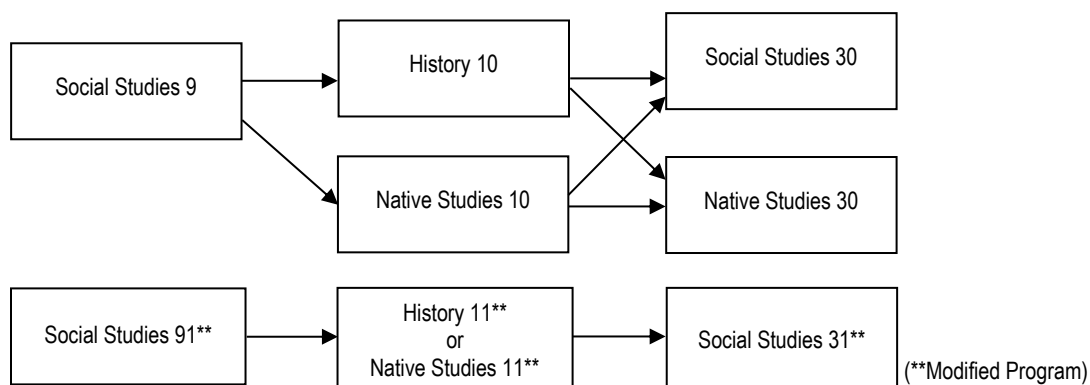
The Spanish 20 course of study is a continuation of the Spanish 10 course. Students will increase their ability to communicate in Spanish both orally and in written form.

SPANISH 30

**Prerequisite - Spanish 20*

This class will be the enhanced level in the Spanish program. Emphasis will be on fluency in oral and written language skills. Special attention will be given to the grammar components of the language. Areas of culture and lifestyle will also be included.

SOCIAL SCIENCE



HISTORY 10

**Prerequisite - Social Studies 9*

History 10 examines social organizations. The goal is to help students understand the organizations of industrialized democratic societies. It covers political and economic decision making as well as international, economic and political relations. The course uses the past to show students how social organizations developed in the 18th and 19th centuries.

HISTORY 11 (Modified History 10 – Restricted Entry)

**Prerequisite - Social Studies 91*

History 11 is a modified course that follows the same themes/units as History 10 with major adaptations and curricular outcome modifications to allow for student success.

HISTORY 20

**Recommended - History 10 or Native Studies 10*

This course primarily revolves around 20th century world history. Particular emphasis is given to The First World War, The Russian Revolution, The Rise of Totalitarianism, World War II and the Cold War era. Along with knowledge of modern ideologies, historical background and map skills round out this modern history course.

HISTORY 21 (Modified History 20 – Restricted Entry)

**Recommended - History 11 or Native Studies 11*

History 21 is a modified course that follows the same themes/units as History 20 with major adaptations and curricular outcome modifications to allow for student success.

LAW 30

Law 30 is designed to prepare students to become active, informed and productive citizens who know and understand their legal rights and responsibilities. Throughout the course, students develop an understanding of the concept of law and learn that the law reflects, and is shaped by, society's values and attitudes regarding social and human relationships. In this course,

students develop their understanding of the abstract nature of law, including sources and purposes with concepts and content made relevant through study of the concrete application of law to current legal issues in Canada and the global community.

NATIVE STUDIES 10

**Prerequisite - Social Studies 9*

Native Studies 10 examines the culture of Indigenous Peoples with a special emphasis on Saskatchewan cultural groups. The primary aim of the course is to develop a personal and cultural awareness and understanding. Areas of study include spirituality, family, education, politics, economics and social-recreational life.

NATIVE STUDIES 11 (Modified Native Studies 10 – Restricted Entry)

**Prerequisite - Social Studies 91*

Native Studies 11 is a modified course that follows the same themes/units as Native Studies 10 with major adaptations and curricular outcome modifications to allow for student success.

NATIVE STUDIES 20

**Recommended - History 10 or Native Studies 10*

Native Studies 20 is an examination of contemporary issues of concern to Indigenous peoples around the world. Case studies are used to support and expand upon the basic concepts, legislation and Indigenous perspectives presented in the Student Resource Guide. It is hoped that students will: a) gain an understanding of the historical basis of current issues of concern to Indigenous peoples, b) become aware of and increase their understanding of philosophies which are the foundations of Indigenous cultures c) develop a personal sense of social commitment through the creation and implementation of action plans for social change. Native Studies 20 is a global education curriculum which examines cultural values and priorities as they impact upon and influence each other and affect global indicators such as the environment, racism, poverty and debt, politics, urbanization, education, economic and social development, social justice and human rights.

NATIVE STUDIES 30: CANADIAN STUDIES

**Prerequisite - History 10 or Native Studies 10*

Native Studies 30 examines contemporary issues relevant to Canadian aboriginal peoples. This course provides students with political, legal, and Aboriginal perspectives on issues such as Indigenous rights, land claims, treaty and treaty rights.

PSYCHOLOGY 20

Psychology 20 is the study of human behavior and mental processes in a social context. It is a course designed to guide the students to a better understanding of themselves as individuals in their own right, but also themselves as part of the larger social context of their families, friends and citizens of their country in a global community. Psychology 20 is a course that will emphasize the application of concepts about behavior in a variety of social contexts and situations, all the while guiding the students to consider the seminal question of social psychologists: How are the thoughts, feelings and behaviors of people influenced by the actual, imagined or implied presence of others?

PSYCHOLOGY 30

This course includes the study of psychological methods, the principles of developmental psychology, heredity and environment, intelligence, personality, personality disturbances and conflict.

PSYCHOLOGY 20 / PSYCHOLOGY 30 AP (Non-semestered) (2 credits)

This Advanced Placement course includes the study of psychological methods and approaches, biological sources of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental, abnormal and social psychology, personality, and treatment of psychological disorders. Students will be given the opportunity to write a College Board Exam for the opportunity to score a standing and get university credit. **Students are evaluated according to the same outcomes and indicators as for all Psychology 20 and 30 students.**

SOCIAL STUDIES 30: CANADIAN STUDIES

**Prerequisite - History 10 or Native Studies 10*

This course deals with contemporary issues facing Canadians. The emphasis in this course is to develop students' abilities to think and reason dialectically in their consideration of issues and their approach to solving problems. Individual units concentrate on the themes of Change, Economic Development, Acculturation, Governance and Globalization. In each unit, the

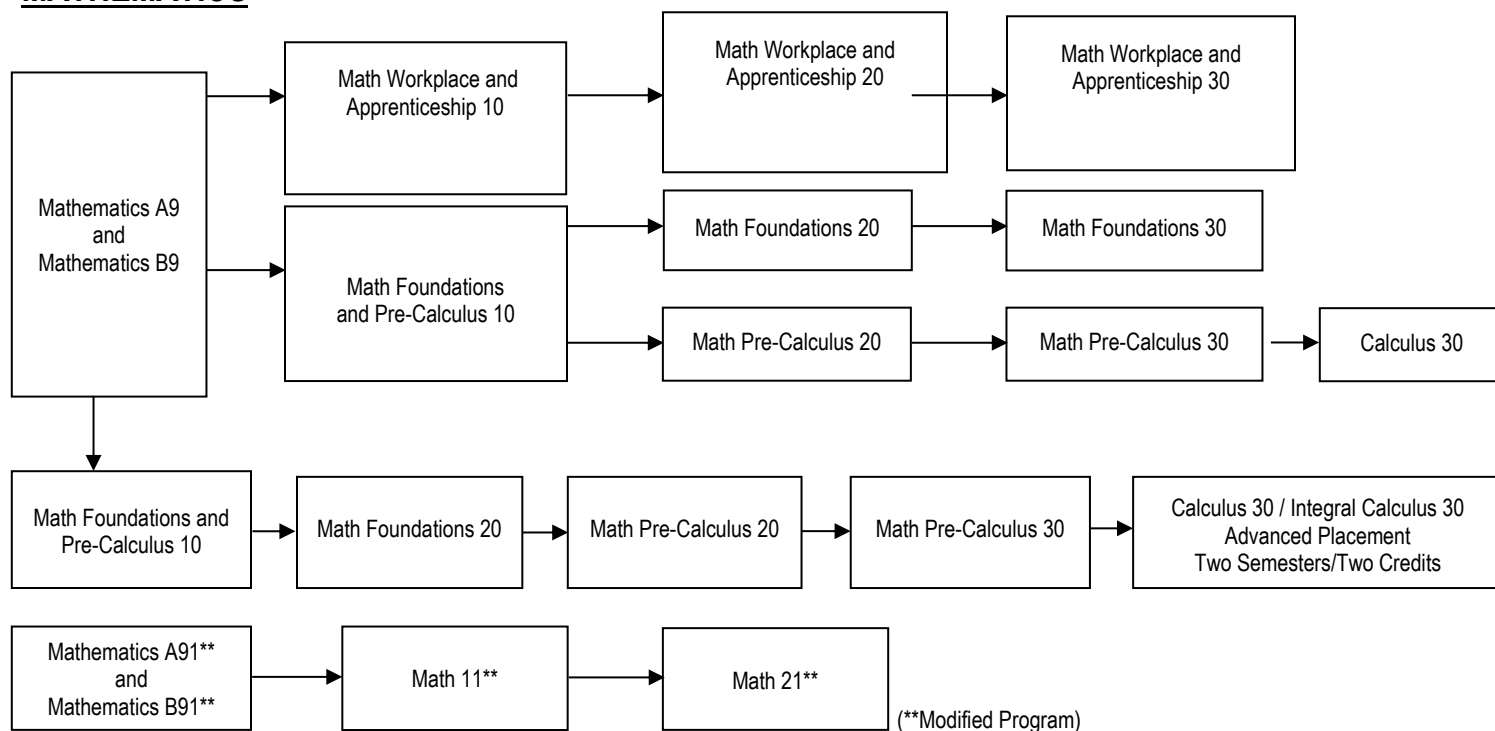
historical experience of Canadians is viewed from a modern perspective in an attempt to understand who we are and why we react the way we do to the current issues and problems which confront us as citizens of Canada and the world.

SOCIAL STUDIES 31: CANADIAN STUDIES (Modified Social Studies 30: *Canadian Studies* – Restricted Entry)

**Prerequisite - History 11*

Social Studies 31 is a modified course that follows the same themes/units as Social Studies 30 with major adaptations and curricular outcome modifications to allow for student success.

MATHEMATICS



MATH FOUNDATIONS AND PRE-CALCULUS 10

**Prerequisite - Mathematics A9 and Mathematics B9*

This course is a pre-requisite for both Math Foundations 20 and Math Pre-Calculus 20. It introduces and/or focuses on the following concepts: factoring, rational and irrational numbers, laws of exponents, operations with polynomials, trigonometry, relations and functions, slope, linear relations, graphing, linear systems, the metric system and imperial measurements.

MATH FOUNDATIONS 20

**Prerequisite - Math Foundations and Pre-Calculus 10*

This course introduces and/or focuses on the following concepts: inductive/deductive reasoning, proportional reasoning, angles and triangles, sine and cosine laws, data analysis, linear inequalities and basic quadratic functions. As well, students research and present on an historical mathematical event or area of interest.

MATH FOUNDATIONS 30

**Prerequisite - Math Foundations 20*

This course is an elective course. Strong math skills and work ethic are required to be successful in this course. This course covers the following topics: financial decision making, inductive and deductive reasoning, set theory and its applications, odds, probability, permutations, combinations, analysis of data using regression equations for polynomials, logarithms, exponential and sinusoidal functions. Students are to research and give a presentation of a current event or an area of interest that requires data collection and analysis.

MATH WORKPLACE AND APPRENTICESHIP 10

**Prerequisite - Mathematics A9 and Mathematics B9*

This course is a pre-requisite for Math Workplace and Apprenticeship 20. It focuses on both the metric and imperial systems of measurement. Concepts include the areas of 2-D shapes and 3-D objects, games involving spatial reasoning, the Pythagorean

Theorem, polygons, an introduction to trig ratios (sine, cosine and tangent), angles, pricing and currency exchange and income.

MATH WORKPLACE AND APPRENTICESHIP 20

**Prerequisite - Math Workplace and Apprenticeship 10*

It asks students to deepen their understanding of topics introduced in Grade 10 including: surface area, volume, capacity, formulas, right triangles, 3D objects, and mathematical games involving numerical reasoning. As well, it introduces the following topics: data analysis using a variety of graphs; personal budgeting; compound interest and financial institution services; slope, including using technology; and unit analysis and scale.

MATH WORKPLACE AND APPRENTICESHIP 30

**Prerequisite - Math Workplace and Apprenticeship 20*

This course is an elective math class. It allows students to deepen their understanding of topics introduced in workplace and apprenticeship 10 and 20. As well, it introduces the following topics: linear relations, measuring instruments, statistics, probability, polygons, transformations, trigonometry, buying or leasing a vehicle, owning a home and operating a small business.

MATH PRE-CALCULUS 20

**Prerequisite - Math Foundations and Pre-Calculus 10 (Strongly Recommended: Math Foundations 20)*

This course focuses on the following topics: absolute value of linear and quadratic functions, radicals, rational expressions and equation (up to and including degree 2), primary trigonometric ratios, Cosine law, Sine law, factoring polynomials, quadratic functions, inequalities with one and two variables, arithmetic sequences and series, geometric sequences and series, reciprocal functions. Strong math skills and work ethic are required to be successful in this course.

MATH PRE-CALCULUS 30

**Prerequisite - Math Pre-Calculus 20*

This course is an elective course. Strong math skills and work ethic are required to be successful in this course. This course covers the following topics: angles in standard position, degree and radian measure, six trigonometric ratios, graphs of the primary trigonometric ratios, first and second degree trigonometric equations, trigonometric identities, function operations, transformations, functions, relations, inverses, logarithms, polynomial functions (degree greater than two and less than 6), radical and radical functions, counting principle, permutations, combinations and the binomial theorem.

CALCULUS 30

**Prerequisite - Math Pre-Calculus 30*

This course is an elective course. Strong math skills and work ethic are required to be successful in this course. This course provides an introduction to Calculus. This course will study interval notation, absolute value, concepts of function limits, continuity, discontinuity, slopes, tangents, rate of change, derivatives and integration. Derivatives and integrals of polynomial, rational, exponential, logarithmic, and trigonometric functions are included. The concepts of Calculus are applied to curve sketching, optimizations, related rates, areas under curves, areas between curves, volumes, and differential equations.

CALCULUS 30 / INTEGRAL CALCULUS 30 AP (Non-semestered) (2 credits)

**Prerequisite - Math Pre-Calculus 30*

This course is an elective course. Strong math skills and work ethic are required to be successful in this course. This combined two course class will be taken over two semesters. Advanced Placement Calculus is a challenging university-level course. It will be offered to students who take a combination of Advanced Placement (AP) Calculus 30 and Integral Calculus 30. Advanced Placement students have the opportunity to write the 3.5 hour internationally recognized AP Calculus exam in early May. Students who achieve a sufficiently high standing on this external exam can earn credit at most North American universities. Students must register in the combined course noted above in their Grade 12 year. AP Calculus will provide students with the course content of both courses listed below over the two semesters.

AP Calculus 30 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, transcendental, and piecewise functions, rational expressions, inequalities including absolute value, limits, differentiation and integration.

Integral Calculus 30 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 are studied in Calculus 30 and will

thereby consolidate and strengthen their algebraic and calculus understandings and skills. Topics include: approximation methods; advanced derivatives; integration properties; techniques and applications; basic theorems of calculus; differential equations; and relative growth rates.

MATH 11 (Modified Math 10 - Restricted Entry)

**Prerequisite - Mathematics A91 and Mathematics B91*

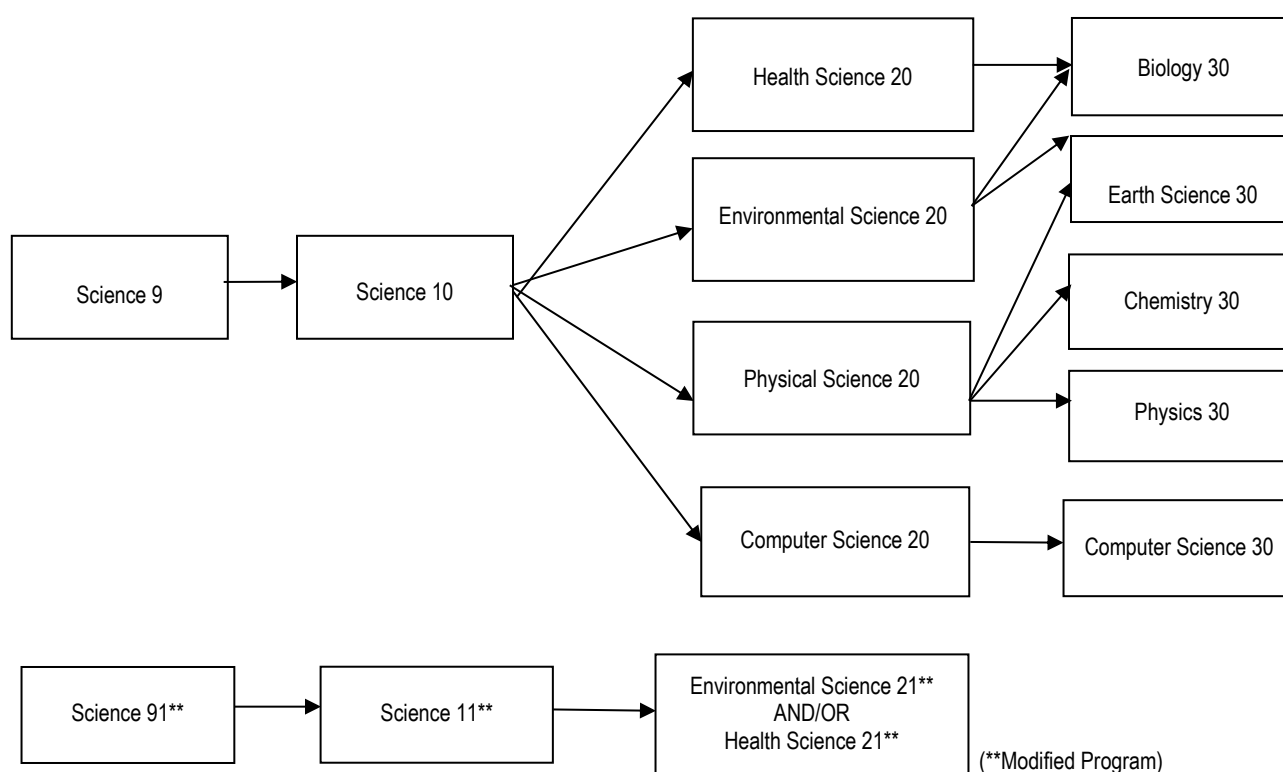
Math 11 is a modified course that follows the same themes/units as Math 10 with major adaptations and curricular outcome modifications to allow for student success.

MATH 21 (Modified Math 20 - Restricted Entry)

**Prerequisite - Math 11*

Math 21 is a modified course that follows the same themes/units as Math 20 with major adaptations and curricular outcome modifications to allow for student success.

SCIENCE



SCIENCE 10

**Prerequisite - Science 9*

The focus of the Science 10 course is to develop scientific literacy. The program consists of the following core units: environmental science as it relates to water quality and three introductory units on chemistry, physics and biology. The course is designed to contain a large amount of laboratory work and students are expected to develop a great degree of independence when carrying out their investigations.

SCIENCE 11 (Modified Science 10 - Restricted Entry)

**Prerequisite - Science 91*

Science 11 is a modified course that follows the same themes/units as Science 10 with major adaptations and curricular outcome modifications to allow for student success.

COMPUTER SCIENCE 20

**Prerequisite - Science 10*

Computer Science 20 is an introduction to problem-solving using programming languages. Students will investigate the use of data types, control structures, functions, common coding techniques and one-dimensional arrays to solve a range of problems.

Additionally, students will explore the technologies that underlie the internet, the evolution of computing machinery and computer security practices and privacy implications. Lastly, students will have the opportunity to create a major project.

COMPUTER SCIENCE 30

**Prerequisite - Computer Science 20*

Computer Science 30 is an advanced course in computer programming. It includes the study of a second programming language, number theory, and advanced methods of problem analysis and solution. Everyone can gain from this experience, but the course is primarily designed for those pursuing careers as computer programmers.

COMPUTER SCIENCE 30 AP

**Prerequisite - Computer Science 20*

The Computer Science 30 AP course is a mentorship-based extra-curricular course. It is designed for those students who display outstanding ability in computer programming and who wish to pursue computer science at the post-secondary level. It is recommended that students take the 20 level programming course in grade 10 and the 30 level programming course in grade 11. **Students are evaluated according to the same outcomes and indicators as for all Computer Science 30 students.**

EARTH SCIENCE 30

**Prerequisite – Environmental Science 20 or Physical Science 20*

Students will examine our planet's geological origins and the geological timescale as a foundation to guide decision making with regard to the use of its mineral and energy resources, the maintenance and remediation of the environment, and response to geological hazards. Hands-on field experiences will enable students to develop visual-spatial reasoning skills and an understanding of the role of Geographic Information Systems. Students will also explore the historical and contemporary significance of Earth Science and related careers.

ENVIRONMENTAL SCIENCE 20

**Prerequisite - Science 10*

This course explores the science of the environment focusing on the health and sustainability of terrestrial and aquatic ecosystems. Specifically, students will examine local and global environmental issues such as climate change, water, soil and air quality, urbanization, bio-resource management, waste handling and disposal, land-use planning and the impacts of agriculture and industry on the environmental policies and ethics on decision making. This course also provides students with the opportunity to explore careers and conduct independent investigation of environmental science.

ENVIRONMENTAL SCIENCE 21 (Modified Environmental Science 20 - Restricted Entry)

**Prerequisite - Science 11*

Environmental Science 21 is a modified course that follows the same themes/units as Environmental Science 20 with major adaptations and curricular outcome modifications to allow for student success.

HEALTH SCIENCE 20

**Prerequisite - Science 10*

This course will challenge students to look at the health science field from holistic and analytic perspectives to provide a basis for making sound personal health choices. Students will apply information in the areas of medical knowledge systems and ethics, human anatomy and physiology, nutrition and metabolism, and medical diagnostics. Understanding the basic anatomy and physiology of the human body will provide a context for studying the normal and abnormal functioning of various body systems and the tools and techniques used to diagnose those systems. Students will also investigate the range of health science careers and post-secondary programs available in Saskatchewan.

HEALTH SCIENCE 21 (Modified Health Science 20 - Restricted Entry)

**Prerequisite - Science 11*

Health Science 21 is a modified course that follows the same themes/units as Health Science 20 with major adaptations and curricular outcome modifications to allow for student success.

PHYSICAL SCIENCE 20

**Prerequisite - Science 10*

This course combines elements of Chemistry 20 and Physics 20 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. In this course, students will conduct an independent investigation of physical science phenomena and explore careers related to physics and chemistry.

BIOLOGY 30

**Prerequisite - Environmental Science 20 or Health Science 20*

The major themes of this course are 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 phenomena.

CHEMISTRY 30

**Prerequisite - Physical Science 20*

A major focus of the course is the study of the role of chemical properties and bonds in determining what makes materials suitable for use in specific applications. Students will actively investigate the nature of equilibrium in chemical reactions. In electrochemistry, students explore oxidation-reduction reactions and the impact of electrochemistry on society and the environment. Other topics include organic compounds and acid-base chemistry. Student inquiry will guide independent investigations of chemistry-related phenomena.

PHYSICS 30

**Prerequisite - Physical Science 20*

This course enables students to investigate concepts related to modern physics such as quantum mechanics, relativity, and nuclear physics. Students will use Newtonian mechanics to analyze various types of motion and the forces that cause motion. Using the conservation laws of momentum and energy, students will analyze and predict the results of interactions between objects. Lastly, students will explore gravitational, electric and magnetic fields and their interactions. Student inquiry will guide independent investigations of physics-related phenomena.

PHYSICAL & HEALTH EDUCATION

WELLNESS 10

Wellness is a combination of health and physical education. Based upon the K-12 aims of health education and physical education, the purpose of Wellness 10 is to develop confident and competent students who understand, appreciate, and engage in a balanced, healthy and active lifestyle.

Aims and Goals of the Wellness 10 program are:

- i. Active Living - Activity to encompass the mental, emotional, spiritual, and social dimensions that make up the entire physical experience. Active living is about individual well-being.
- ii. Skillful Movement - Skillful Movement goal addresses all aspects of effective motor learning with students gaining a deeper understanding of the transferability of movement skills from one movement activity to another.
- iii. An emphasis will be placed on the Basic Movement Patterns for all activities in the activities in this course: Sending, Receiving, Evading, Accompanying, Rotations, Locomotion, Landings, Statics, Swings, and Springs.
- iv. Relationships – Balance self through safe and respectful personal, social cultural, and environmental interactions in a wide variety of movement activities

PHYSICAL EDUCATION 20 / PHYSICAL EDUCATION 30 – ACTIVE FOR LIFE

This course recognizes that physical activity and sport play a critical role in promoting the wellness of all individuals and nurtures the health of our communities. The course will promote student participation in a class environment separate from students at the highly competitive end of the spectrum. Course content and delivery will be structured to engage students who are interested in active living, leadership and non-traditional forms of physical activity. Areas of study include, but are not limited to: outdoor pursuits, physical fitness and developmental games and sports with an emphasis on lifelong participation. Students will also develop leadership skills through connections and experiences with associate schools and community groups. Students will complete the course having developed a positive attitude towards physical activity and the desire and appreciations to be *Active for Life*.

PHYSICAL EDUCATION 20 / PHYSICAL EDUCATION 30 – SPORT PERFORMANCE

This course presents a unique opportunity for student-athletes who are ready to compete and excel at the highest level of competition possible. Student-athletes will be given the opportunity to train for their chosen sport during the school day as part of a partnership with Fix Athletics. Students will work to develop an individualized strength and conditioning training program targeted to improve their sport-specific skills and performance. In addition to the strength and conditioning program provided, student athletes will train to solidify their sport-specific and position-specific skills through the development and implementation of individual technical and tactical skill development activities. These student-athletes need to commit to high-volume and high-intensity training throughout the semester. Areas of study include, but are not limited to: developmental games and sports, outdoor pursuits and physical fitness with an emphasis on cross-training to improve sport performance. Topics such as nutrition, sport psychology, recovery and regeneration, injury prevention and injury management will also be highlighted.

SPORTS MEDICINE 20L

Sports Medicine 20L is a locally developed course elective designed to introduce students to sports medicine related careers, fundamentals of the musculo-skeletal system and other body systems and the basics of sports medicine. They will also learn about fitness, nutrition, and conditioning as it relates to athletic training and the prevention and rehabilitation of sports injuries.

PRACTICAL & APPLIED ARTS

COMMUNICATIONS MEDIA 10

This is an introductory class in multimedia and graphic design, audio and video production and animation creation. Students will develop skills in software including Adobe Photoshop, Flash, Dreamweaver, iMovie and Garageband. Prepare for tomorrow today. This class offers exciting and innovative ways to communicate through video, audio and multimedia productions. Career exploration and preparation will help students understand the challenges and opportunities presented by existing and developing technologies. The goals of this class are to enable students to utilize the tools of technology to enhance their knowledge and enhance their ability to be successful in their future.

COMMUNICATIONS MEDIA 20

**Recommended – Communications Media 10*

This course increases students' understanding of important knowledge, skills, and abilities required in the creation of audio, video, and multimedia products. Students will be engaged in more complex processes than they experienced at Level 10, and will participate in one or more production projects. Post-production activities may be minimal at this level. Students will be expected to increase their understanding of audio, video and multimedia production.

COMMUNICATIONS MEDIA 30

**Recommended – Communications Media 20*

Communications Media 30 engages students in one or more major projects that may focus on either audio, video or multimedia production or a combination of these. It is expected that students will engage in more sophisticated post-production activities at Level 30. Some students may make use of work study opportunities with communication production companies in their communities. Individual students may be allowed to undertake independent study projects in specific areas of interest.

ENTREPRENEURSHIP 30

Students enrolled in Entrepreneurship 30 will have the opportunity to learn about the various characteristics of entrepreneurs and will have the opportunity to create a working venture. Students will develop an appreciation for the spirit of entrepreneurship, and for the planning, marketing, and financing that go into a successful venture. Students will invest and run their own real venture through the Junior Achievement Company Program.

FINANCIAL LITERACY 10

Commencing in 2024-2025, Financial Literacy 10 is a graduation requirement for all grade tens. This course is currently being developed by the Ministry of Education and will be a combination of career education and financial literacy. It will be developed in both English and French.

FINANCIAL LITERACY 30

The purpose of this course is to develop informed consumers with the habits, attitudes, and critical thinking skills necessary to approach financial decisions with competence and confidence—both now and in their future lives. This course seeks to develop within every student the capacity to make informed personal financial decisions as they transition through and beyond high school and into adulthood. Topics covered may include: Earning, Saving, Spending, Borrowing, Sharing, Investing, and Protecting. This course addresses financial issues and decisions that students may already be facing while highlighting others they are likely to face within the first few years of graduating high school. In addition, it touches upon more complex issues such as home ownership, debt management and retirement planning which are part of a lifelong financial journey.

FOOD STUDIES 10

This course develops an understanding of food and nutrition principles. It also focuses on the development of self-reliance, independence and positive social skills and teaches practical food preparation skills. Students are made aware of proper handling of food during preparation to ensure safety and sanitation.

FOOD STUDIES 30

This course provides students with a balance of academic and practical food preparation experiences. Students will have the opportunity to explore food preparation and nutrition through the study of Canadian and International ethnic and cultural foods, food additives and food for special occasions. Students also will learn about food-related careers / examine current food issues.

PRACTICAL AND APPLIED ARTS SURVEY A20 (FOODS AND HOSPITALITY)

This is a food study class designed to develop entry level food preparation skills for the food service industry, customer service skills for the hospitality industry and to promote an understanding and appreciation of the industries' value to our economy. The course allows students to experience components of the food service industry, with a primary focus on hospitality and service. A variety of foods will be prepared throughout the course. Students will complete a variety of assessments related to the food and hospitality industry, including: designing their own restaurants and menu items, demonstrating food safety and a major project involving a community experience such as catering lunches, a pancake breakfast, or food booths at community and/or school events.

PRACTICAL AND APPLIED ARTS SURVEY B10 (INDUSTRIAL ARTS)

** Recommended - Practical and Applied Arts Survey A9 (Industrial Arts)*

Modules from various Applied Technology courses will make up the PAA Survey B10 program. Drafting – using AutoCAD Light Commands has students draw orthographic and isometric views. Woodworking – students will develop skills through the safe use of hand tools, as well as portable and stationary tools. Several take-home projects will be part of this area of study. CNC computer based learning and projects will also be included.

PRACTICAL AND APPLIED ARTS SURVEY B20 (INDUSTRIAL ARTS)

**Recommended - Practical and Applied Arts Survey B10 (Industrial Arts)*

Modules from various Applied Technology courses will make up the PAA Survey B20 program. Drafting – further development of skills in AutoCAD with a focus on pictorial drawing, section drawing and architectural drafting. Woodworking – a continued development of safe woodworking skills using hardwoods and sheet materials. All stationary woodworking equipment will be utilized. Students will be responsible for paying for major project materials.

PRACTICAL AND APPLIED ARTS SURVEY B30 (ADVANCED CARPENTRY)

**Recommended - PAA Survey A9 AT, PAA Survey B10 (Industrial Arts), PAA Survey B20 (Industrial Arts)*

Students will explore a wide variety of carpentry techniques using many types of wood and engineered wood products. Students will employ both hand and power tools in working on their projects and will also use computers to design projects that will be produced on a computerized router. House building and home maintenance skills will be an important part of this course. This class finishes with a final project that demonstrates the majority of woodworking skills acquired over the course of the semester. No prerequisite, although taking PAA Survey A9, PAA Survey B10 and PAA Survey B20 is an advantage.

PHOTOGRAPHY 10

The purpose of Photography 10 is to provide students with opportunities to acquire knowledge and develop skills used in photography and to become familiar with career opportunities within the industry.

The areas of focus for photography are to:

- develop technical skills in the use of cameras including the photographic triangle
- analyze and utilize the principles of composition and design
- develop image manipulation skills to create aesthetically satisfying pictures
- explore various occupations available in the ever-broadening field of photography

PHOTOGRAPHY 20

The purpose of Photography 20 is to provide students with opportunities to acquire an advanced knowledge and to further develop their skills used in photography and to explore more career opportunities in the industry.

Some pre-requisite knowledge and understanding is recommended, but not required, in the areas of:

- the photographic triangle
- principles of composition and design
- image manipulation and adjustment skills
- occupations in the field of photography

PHOTOGRAPHY 30

The purpose of Photography 30 is to provide students with opportunities to acquire an advanced knowledge and to further develop their skills used in photography and to explore more career opportunities in the industry.

Some pre-requisite knowledge and understanding is strongly recommended in the areas of:

- the photographic triangle
- principles of composition and design
- image manipulation and adjustment skills
- occupations in the field of photography
- familiarity with DSLR cameras and manual shooting mode

ROBOTICS AND AUTOMATION 10

This course provides an introduction to robotics and automation. Topics include the history of robotics, 3D design and printing, and an introduction to coding. In this course, students will have the opportunity to design and print 3-dimensional objects as well as build a virtual robot.

ROBOTICS AND AUTOMATION 30

This course uses robotic kits, programming software, and other materials to introduce students to basic problem solving strategies and programming. Students will design, build, and program robots using the available hardware, as well as design and fabricate their own hardware to solve various challenges. Independent work habits and an interest in engineering and robotics are prerequisites for this new course.

FRENCH IMMERSION

ÉTUDES CATHOLIQUES 10

**Prerequisite - Études catholiques 9 (Ed Chrétienne 9)*

The students study the concept of the church with an emphasis on the church as a community of God. The initial part of the course focuses on the formation of the Catholic Church throughout history, providing students with an understanding of how the church is called to serve society. The latter part of the course emphasizes Christian morality and how each student is called to serve society. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

ÉTUDES CATHOLIQUES 20

**Prerequisite - Études catholiques 10*

This program of study is entitled "The Christ in Scriptures" and is comprised of two parts. The first part is a look at revelation and scripture. The second part focuses on Christology (the Jesus of History; the meaning of the Kingdom of God; the events of Jesus' death, resurrection and ascension). **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

ÉTUDES CATHOLIQUES 30

**Prerequisite - Études catholiques 20*

The program of study explores universal life experiences – family, relationships, vocations, life choices and death from a Christian perspective. As well, world religions are studied. A special emphasis is placed upon seeing our life story as a journey towards God. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

FRANÇAIS 10

**Prerequisite - Français 9*

Français 10 will provide the students with opportunities to enhance their communicative skills. Emphasis will be placed on listening, speaking, reading and writing through media study, short stories, debate and musical lyrics. Students will be involved in creating a newspaper and in studying short stories from the 19th century. Students will be introduced to formal debate and to musical lyrics from the international French community. The grammar component is covered within the content material. Time organization, meeting deadlines, and creative and objective writing will be stressed. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

FRANÇAIS 20

**Prerequisite - Français 10*

This course includes the four strands of listening, speaking, reading and writing. Students will study French novels and media with a focus on video production. Technical aspects and French vocabulary relating to technology and broadcasting will be covered. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

FRANÇAIS 30

**Prerequisite - Français 20*

Students continue to develop French language skills through reading, writing, listening and speaking. In Français 30, students will study theatre, poetry and novels. They will develop their communication skills through essays and discussions as well as written and oral reports. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

FRANÇAIS IMMERSION INTÉGRÉ A20

This course provides students the opportunity to use and practice their French language skills while working through modules. The modules that are included in Français Intégré A20 are la sociologie and le cinéma.

HISTOIRE 10

**Prerequisite - Sciences sociales 9*

Histoire 10 examines social organisations. The goal is to help students understand the organizations of industrialized democratic societies. It covers political and economic decision making as well as international, economic and political relations. The course uses the past to show students how social organizations developed in the 18th and 19th centuries. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

HISTOIRE 20

This course primarily revolves around 20th century world history. Particular emphasis is given to The First World War, The Russian Revolution, The Rise of Totalitarianism, World War II, Holocaust and the Cold War era. Historical background and map skills and knowledge of modern ideologies round out this modern history course. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

LITTÉRATIE FINANCIÈRE 10

Commencing in 2024-2025, Financial Literacy 10 is a graduation requirement for all grade tens. This course is currently being developed by the Ministry of Education and will be a combination of career education and financial literacy. It will be developed in both English and French.

MATHS FONDEMENTS ET PRÉCALCUL 10

**Prerequisite - Mathématiques A9 and Mathématiques B9*

This course is a pre-requisite for both Maths fondements 20 and Maths précalcul 20. It introduces and/or focuses on the following concepts: factoring, rational and irrational numbers, laws of exponents, operations with polynomials, trigonometry, relations and functions, slope, linear relations, graphing, linear systems, the metric system and imperial measurements. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

MATHS FONDEMENTS 20

**Prerequisite - Maths fondements et précalcul 10*

This program covers six strands: (1) irrational numbers (2) consumer mathematics (3) polynomials and rational expressions (4) quadratic functions and equations (5) angles and polygons and (6) circles. Problem solving is integrated into all of the strands. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

MATHS FONDEMENTS 30

**Prerequisite - Maths fondements 20*

This pathway continues the learning begun in Maths fondements 20 and includes the following topics: inductive and deductive reasoning; financial decision making; set theory and its applications; odds/probability; permutations and combinations; and lastly, logarithmic, exponential, sinusoidal and basic polynomial functions. As well, students have the opportunity to research and present on a current event or area of interest using data collection and analysis. This course is intended for students considering post-secondary education that does not involve engineering, etc. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

MATHS PRÉCALCUL 20

**Prerequisite - Maths fondements et précalcul 10*

This course focuses on the following topics: absolute value of linear and quadratic functions, radicals, rational expressions and equation (up to and including degree 2), primary trigonometric ratios, Cosine law, Sine law, factoring polynomials, quadratic functions, inequalities with one and two variables, arithmetic sequences and series, geometric sequences and series, reciprocal functions. Strong math skills and work ethic are required to be successful in this course. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

MATHS PRÉCALCUL 30

**Prerequisite - Maths précalcul 20*

This course is an elective course. Strong math skills and work ethic are required to be successful in this course. This course covers the following topics: angles in standard position, degree and radian measure, six trigonometric ratios, graphs of the primary trigonometric ratios, first and second degree trigonometric equations, trigonometric identities, function operations, transformations, functions, relations, inverses, logarithms, polynomial functions (degree greater than two and less than 6), radical and radical functions, counting principle, permutations, combinations and the binomial theorem. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

SCIENCES 10

**Prerequisite - Sciences 9*

The focus of the Sciences 10 course is to develop scientific literacy. The program consists of the following core units: environmental science as it relates to water quality and three introductory units on chemistry, physics and biology. The course is designed to contain a large amount of laboratory work and students are expected to develop a great degree of independence when carrying out their investigations. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

SCIENCES SOCIALES 30

**Prerequisite - Histoire 10*

Sciences sociales 30 deals with the modern 20th century including relevant contemporary issues while also exploring the historical foundations of our nation. Units of study include: Historical Background, Geography, Map Skills, Economics, Multiculturalism, Political Science, Government and Canada's Role in the World Community. **This course is taught entirely in French and students are expected to speak French at all times to both teachers and fellow students.**

ACADEMIC SUPPORT, PROGRAMS AND SERVICES

LEARNING RESOURCE PROGRAM

Archbishop M.C. O'Neill Catholic High School offers a Learning Resource Program for those students needing extra support in order to meet success in their classes. The Learning Resource Teacher may provide grade 9 – 12 students with in-class support or individual and small group support.

MODIFIED COURSES

Archbishop M.C. O'Neill Catholic High School offers modified courses and courses with adjusted outcomes from Grade 10, 11 and 12. Grade 9 modified courses are numbered 91, Grade 10 modified courses are numbered 11, and Grade 11 modified courses are number 21, and Grade 12 modified courses are number 31. Modified courses follow the unit topics of their regular course counterparts; however, curricular objectives are modified to meet the needs of the learner. Students enrolled in modified courses do graduate with a grade 12 standing. However, it is important to note that a modified grade twelve does limit post-secondary opportunities.

ADVANCED PLACEMENT

Advanced Placement classes offer students who are seeking academic enrichment the opportunity to pursue college level studies while still in secondary school. Successful completion of Advanced Placement classes will result in students receiving credit and/or advanced placement in university. Those candidates who achieve a 4 or 5 on the AP Exam in May receive one or two first-year university credits depending on the course at the Universities of Regina and Saskatchewan, as well as at other selected campuses in North America. Students will find that there is typically added rigor to these courses which focuses on preparing students for post-secondary work skills.

In order to be successful, students will be required to do enrichment assignments to properly prepare them for the college-based exam that they will write in May. Students need to complete all regular course work. They may also be required to attend tutorial sessions, planned by the teachers leading the courses, through September until May. Please remember that students are evaluated using the same outcomes and indicators that would be applied to all grade 12 courses.

EAL PROGRAM (ENGLISH AS AN ADDITIONAL LANGUAGE)

Archbishop M.C. O'Neill Catholic High School has scheduled EAL classes available to students in grades 9 through 12. Students have the opportunity to build English reading, writing, listening and speaking skills. Placement in these classes is pre-determined by language assessments conducted by our partners at the New Welcome Centre and our EAL instructional staff.

TUTORIAL PROGRAM

At Archbishop M.C. O'Neill Catholic High School, students in grades 9 through 12 have the option of receiving support from the tutorial teacher through a daily scheduled tutorial period. During their tutorial period students are able to use their time to work on homework, complete assignments and projects and receive the benefits of small group instruction.

LEARNING ONLINE

Learning Online is an opportunity for students from Regina Catholic High Schools or from any high school across the province, to study courses online with the help of a qualified teacher. This innovative learning experience provides students with a convenient way to participate in courses that may not otherwise be available to them.

Unlike a traditional high school class, students log on to their courses, access their lessons and consult with their teacher whenever it is convenient for them. However, students must adhere to the academic standards of the Regina Catholic School Division. Units of study have completion targets set out in the course outline.

RCSD Learning Online allows student's the flexibility to earn high school credits and participate in high level training and competition, while staying connected to their Regina Catholic High School. Visit <https://lo.rcsd.ca/> for more information about Learning Online.

STUDENT SERVICES

Student Services personnel are available to support students in a variety of ways as they progress through their academic program at O'Neill High School. Counsellors will visit classes throughout the year to provide students with academic and career information. Students are also invited to meet with a counsellor for additional information and personal support.

INDIGENOUS HIGH SCHOOL ADVISOR

The Indigenous Advisor provides school and home support for students and families of Indigenous status. The Advisor provides instructional, tutorial and program support for our Indigenous students. Support is also provided to staff members in the areas of cultural awareness issues and classroom instruction to make the educational process more effective for Indigenous students. The Indigenous Advisor also works with students toward appropriate career and post-secondary opportunities.

STUDENT SUPPORT SPECIALIST

The School Support Specialist (SSS) is a liaison between the school, student's homes and the community to promote optimal social – emotional wellness and success for students. The SSS works directly with students in various capacities to ensure their needs are addressed and supports are put in place.

SCHOOL RESOURCE OFFICER (SRO)

The SRO is available to assist staff and students with police matters. Please contact our main office (306-791-7240) to arrange an appointment time with our school resource officer.