

February 2026

# A.E. PEACOCK COLLEGIATE

## GENERAL INFORMATION & COURSE DESCRIPTIONS

A.E. Peacock Collegiate has a proud history of accomplishment dating back to 1931 and a well-developed sense of our future direction.

The Peacock Community is committed to “Excelling together” which happens because students, parents, caregivers, staff and community members have come together to create an exceptional learning environment. A.E. Peacock Collegiate is well known in Saskatchewan for its academic; practical and applied arts; student support; technology and extra-curricular programs. Stakeholders work diligently so that our students can have the most meaningful learning experience possible within a safe and caring environment.

Congratulations on your decision to attend Peacock Collegiate. Have a wonderful school year!

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# GRADE NINE COURSES & DESCRIPTIONS

## COMPULSORY COURSES

### **ENGLISH LANGUAGE ARTS 90**

The Language Arts course is taken over two semesters. Different content is covered in each semester and there is a short review of literature and composition essentials at the beginning of each semester. The course is based on themes and combines the study of literature with composition skills, listening skills and speaking components. ELA 90 is a 200-hour class over two semesters.

### **MATHEMATICS 90**

Mathematics classes meet every day for both semesters. Course topics include the systems of numbers, powers, polynomials, equations, inequalities, problem solving, co-ordinate geometry, similarity and transformations, circles, surface area, data management, and probability. Topics covered are preparatory to both Math 10 Pre-Calculus and Foundations and Math 10 Workplace and Apprenticeship. Math 90 is a 200-hour class over two semesters.

### **SCIENCE 90**

The goal of the Science 90 course is to develop scientific literacy and to help students better understand the world in which they live. Students will use a new Saskatchewan based text to study the following course topics: Measurement, Life Science-genetics, Mitosis, Meiosis, Reproduction, Chemistry, Electricity and Space. Science 90 is a 100-hour class over one semester.

### **SOCIAL STUDIES 90**

Students will explore worldviews of past societies and connections between the past and the present. Students will consider how worldviews are shaped and how they are expressed by people living in particular times and places. They will examine issues related to contact between societies with differing worldviews. Through this inquiry into past societies, students will reflect upon their own worldviews, assess the influences of the past on the present, and further develop their historical consciousness. Social Studies 90 is a 100-hour class delivered in one semester.

### **PHYSICAL EDUCATION 90**

A major theme of this class is personal fitness and well-being.

### **HEALTH 90**

This course combines health education and career guidance. Emphasis will be on developing healthy habits and sound decision making. Students will also have opportunities to practice leadership and volunteerism.

### **CAREER EDUCATION 90**

Students develop self-awareness, career exploration, and educational planning skills in this course. In addition, the course will assist students in expanding their awareness of potential careers and, in turn, relate their educational choices to the future requirements of school and the world of work.

## **ELECTIVE COURSES**

Peacock offers a wide range of elective options in the Fine Arts or Practical and Applied Arts area. These courses range from 25 to 100 hours depending on the course. All students require a minimum of 100 hours in the Fine Arts area.

### **ARTS EDUCATION OPTIONS**

#### **Band 90**

This course gives the student the opportunity to perform in a Concert Band setting. Three areas will be emphasized: the development of the individual's playing and reading skills, techniques of group playing (intonation, breathing, phrasing) and the exploration of a wide variety of band literature and public performance. Students in Band 90 also can participate in Jazz Band. Students should have previous band experience or permission from the band director to enroll. (100 hours)

#### **Choral 90**

This course is a performance-based class. No previous musical training or singing experience is necessary. Emphasis is placed on vocal production, musical elements and some basic theory knowledge. Students will be active in developing valuable lifelong skills. Participation is required in festivals and school concerts. (100 hours)

#### **Visual Art 90**

The Grade 9 visual arts program approaches the subject through the three art components: cultural/historical, creative/productive, and critical/responsive. The emphasis is on the creative processes and explores a variety of art techniques including drawing and painting. (50 hours)

#### **Dance 90**

The program gives students a basic understanding of dance as they learn specific dances and dance techniques, respond critically to dances seen as an audience, and create their own dances for personal expression. Through the three components of the program, students are encouraged to explore, reflect on, and learn about dance. (50 hours)

#### **Drama 90**

Drama is an introductory class which includes basic movement, improvisation, speech and the fundamentals of plays. A major focus of Drama 90 is to enhance self-confidence and help in the transition from elementary to high school. (50 hours)

#### **Guitar 90**

Students will be introduced to the basics of guitar. Each student will have the opportunity to learn basic music reading skills and how to play basic chords and melodies. Students who already have some skills will be able to develop their skills further through directed studies as long as they meet the basic requirements of the class. (25 hours)

#### **Digital Media 90**

This course is an introduction to basic digital photography and video media. Students will learn how to critique, analyze, stage, shoot, and edit digital photographs, as well as edit videos with effects. Students will learn basic digital video and photography editing and design, film, and edit a video project. If time permits students will also learn some basic digital animation techniques. For students who may wish to take further photography or audio video classes in grade 10 and 11 should consider this class option. (25 hours)

### **Musical Theatre 90**

Interested in learning more about being a performer on stage and begin part of the Peacock musical? This is the course for you! Gain experience in working on a musical production and introducing you to the dramatic arts. Students may also get a chance to learn about the work behind the musical production in lights, sound, and set construction. (100 hours)

## **PRACTICAL AND APPLIED ARTS**

### **Clothing 90**

This course introduces basic sewing skills to students. Students will learn how to use sewing machines to complete several small projects (pincushion, beach bag, pajama pants). They will have to purchase supplies for these projects. (25 hours)

### **Foods 90**

This course involves learning basic cooking theory in reference to snacks, salads and the Canada Food Guide as well as participating in cooking labs. (25 hours)

### **Aviation & STEM 90**

Students will have hands-on experience on the principles of aviation and learn to build and assemble a replica aircraft. This course is intended to expose students to careers and opportunities in the aviation industry and in technologies. (25 hours)

### **Woods 90**

This is an introductory course in wood technology. Students will design, plan and complete a woodworking project from beginning to end. Each level builds on the previous work and includes five areas of study: wood as a material, planning and designing a project, joinery techniques, tool and machine use, surface preparation and finishing. (25 hours)

### **AutoCAD 90**

The students will be introduced to the basics of design study and engineering. Through hands-on activities, students will have fun being creative and finding solutions while working through the design process. For example, students will design, construct, and test a large-scale plastic straw bridge. Students will also be introduced to computer-aided drafting. (25 hours)

### **Electronics & Robotics 90**

A fun-filled and informative class about the basics of electronics. Students will learn to design, build, and troubleshoot electrical circuits. Students will learn to design, assemble, program, and compete using a small robot. This class is designed as an introduction to electrical and computer science. (25 hours)

### **Mechanics 90**

This course is an introduction to basic mechanical work. Shop safety, hand and power tool knowledge is learned. Vehicle maintenance, care, and parts identification is covered. (25 hours)

### **Welding 90**

This is an introduction to welding. The students will cover shop safety, basic hand tools, oxy-acetylene welding and electric arc welding. Each student will then build a small project to take home. This class is not a prerequisite to take Welding 10. (25 hours)

### **Entrepreneurship 90**

This class introduces students to entrepreneurship and its importance to individuals and communities. Students will examine our own community and other Canadian entrepreneurial ventures to determine if entrepreneurship is for them. While studying the characteristics of what makes a good entrepreneurial venture, what makes a successful entrepreneur, and how opportunities may develop, students will examine their own personal skills and consider ways of developing and applying them in the near and long-term future. (25 hours)

### **Autobody 90**

This course is an introduction to the autobody field. Students will get to work in the auto body shop and learn basic auto body repair techniques. This is a hands-on course where students will get to complete a small project. (25 hours)

### **OTHER OPTIONS**

#### **French 90**

Students will study the French language through reading, writing, speaking and listening with emphasis on grammar and conversational skills. Evaluation consists of written and oral quizzes, presentations, and exams. (25 hours)

## **GRADE 10, 11 and 12 COURSES & DESCRIPTIONS**

# **ENGLISH LANGUAGE ARTS**

Language and language study are at the centre of the secondary level English language arts program. Students learn to construct, interpret and revise meaning across modalities (written, oral, visual, multimodal) by engaging with the structures, functions and possibilities of language. Through meaningful composition and analysis, students explore how language communicates ideas, evokes emotion, challenges assumptions and influences how we understand each other and the world around us.

The program provides students with opportunities to:

- explore language as a tool for learning and inquiry to deepen interpretation, express insights, and engage in reflective and creative processes.
- examine how language works by analyzing how features such as syntax, diction, tone and form shape meaning in texts.
- use language intentionally to suit purpose, audience, genre and context across a range of expressive forms.

Students starting Grade 10 in September 2024 or after will require ELA 10, ELA 20 and ELA 30. (The new ELA program is highlighted below).

### **English Language Arts 10**

Note: this course meets the ELA grad requirement for students who began Grade 10 after September 2024 (SK Grad Plan). This ELA 10 course is equivalent to ELA A10 for students who began Grade 10 prior to September 2024 (Regular Grad Plan).

Possible Thematic Contexts for ELA 10:

Unit 1: The Challenges of Life - Wherever we go, we face challenges. In meeting them, we develop the qualities that help us grow and prepare for others we may encounter.

Unit 2: The Mysteries of Life - Life is full of mysteries, from the extraordinary to the everyday.

## **English Language Arts 20**

Prerequisite ELA 10

Possible Thematic Contexts for ELA 20:

Unit 1: The Search for Self – The discovery of self is a profound process. During this process, we develop our understanding of who we are, what it means to be human and what gives our lives purpose.).

Unit 2: Equity and Ethics – Life presents us with many challenges, and doing the right thing is not always easy or obvious. We are empowered when our ideas are valued, our needs are heard and addressed, our goals are clarified and we take action to achieve them.

## **English Language Arts 30**

Prerequisite ELA 20

Possible Thematic Contexts for ELA 30:

Unit 1: Canadian Perspectives and Landscapes – Before and throughout our nationhood, Canada’s diversity has been a source of pride, as well as a catalyst for reflection and growth. The wide range of worldviews represented here challenge us, individually and collectively, to understand who we are and what it means to be a nation.

Unit 2: The Social Experiment – Literature and lived experiences invite us to critically examine the world as it is, reflect on the forces that shape society, and consider the choices and actions individuals might take to help build the kind of society in which they wish to live.

## **Modified ELA Courses**

### **ELA 11, ELA 21 and ELA 31**

These courses are intended for students who have great difficulty achieving all the outcomes of the regular English Language Arts 10, 20 or 30 courses. The modified program is suited to those students experiencing difficulty in the basics of reading and composition. These classes are not accepted by the universities but may be accepted by some smaller post-secondary institutions. A student registering in these classes requires a formal and informal assessment and consultation with parents/guardians, teachers and educational persons before being placed in modified programs.

## **Creative Writing 20**

### **ELA Elective**

**Prerequisite: ELA 10. Students should have an interest and strength in writing.**

Creative Writing 20 is designed to develop students’ creative writing abilities and to refine their writing skills. In this course, students explore and develop their own ideas, a variety of writing strategies, and a range of writing forms (such as poetry, short fiction, plays, and creative non-fiction).

Students will read and discuss a variety of texts and tap into their personal experiences and imaginations.

They are encouraged to explore their own voices and to reflect on and respond critically to their own and their peers’ writing.

Students SHOULD take this course if they:

- love writing and want to write every day
- also enjoy reading (because reading and writing go hand in hand)
- are open-minded and are willing to try new forms of writing

## **Journalism 20**

### **ELA Elective**

**Prerequisite: ELA 10. Students should have an interest and strength in writing.**

Creative Writing 20 is designed to introduce students to the fundamentals of news gathering, writing, and production across print, broadcast, and digital media. The course emphasizes ethical, responsible, and accurate reporting while exploring the role of journalism in society. Students are encouraged to explore their own voices and to reflect on and respond critically to their own and their peers’ writing.

# MATHEMATICS

To meet graduation requirements, both a 10 and 20 level math is required.

The Saskatchewan Mathematics curriculum consists of three pathways designed to meet the needs of students as they prepare for post-secondary education and the workforce.

WORKPLACE & APPRENTICESHIP MATHEMATICS	FOUNDATIONS OF MATHEMATICS	PRE CALCULUS
Recommended for those students who plan to enter the workforce and / or most trades. It focuses on math that is used in day-to-day life.	This pathway is designed for students entering post-secondary studies that do not require the study of calculus. This pathway is intended to meet the needs of students intending to pursue careers that typically require university, but are not math intensive, such as humanities, fine arts, social sciences, and nursing.	This pathway is designed for students who want to study mathematics or sciences at university, college, or technical institute and go on to a related career.  Pre-Calculus is for students who plan to enter post-secondary programs such as engineering, engineering technology, mathematics, sciences, business studies or other programs that require calculus.
Regardless of the information provided above, students should review admission requirements for both post-secondary programs and post-secondary institutions as the mathematic requirements may vary by school / province.		

## Recommended Math Pathways

The following recommendations are intended to assist students and parents in the selection of math classes for registration purposes. **Students do not need to choose a pathway until Grade 11. If unsure, they should take both Grade 10 level Math courses. See student services for more information and to review various post-secondary options.**

### Option 1: Foundations or Pre-Calculus Stream - University

Intended for students interested in pursuing careers that typically require university, but are not math intensive, such as humanities, fine arts, social sciences, and nursing, or for students interested in attending college. **Students should be of average to high average math ability in math.**

Grade	Semester 1	Semester 2
10	Workplace and Apprenticeship Math 10	Foundations - Pre Calculus Math 10
11	Foundations Math 20	Pre-Calculus 20 (optional) - if Pre-Calculus 30 is required
12	Foundations Math 30	Pre-Calculus 30 (if required)
If Calculus 30 is needed	Pre-Calculus 30 (Foundations Math 30 - optional)	Calculus 30 (optional)

**Option 2 - Calculus Stream. University with study in math, science, commerce, engineering fields.**

Intended for students interested in attending a university or college in a math / science related field. **Students should have a strength in math with above average ability.**

Grade	Semester 1	Semester 2
10	Foundations - Pre Calculus Math 10	Foundations Math 20
11	Pre-Calculus Math 20	Foundations Math 30 (optional)
12	Pre-Calculus Math 30	Calculus 30

**Note:** Pre-Calculus and Calculus 30 may be required for entrance into a number of university programs. It is important to review the admissions criteria for the university and program you are interested in pursuing as there is a difference between schools in the same type of program.

**Option 3 - Workplace Stream**

Intended for students interested in attending college in a non-math related field or simply fulfilling graduation requirements.

Grade	Semester 1 or 2
10	Workplace and Apprenticeship 10
11	Workplace and Apprenticeship 20
12	Workplace and Apprenticeship 30 (optional)

**Option 4 - Modified Math**

Grade	Semester 1 or 2
10	Math 11
11	Math 21

**Workplace and Apprenticeship Mathematics 10**

*This pathway will provide mathematical understanding and critical-thinking skills identified for entry into the majority of trades and for direct entry into the workforce.* This course is the starting point of the Workplace and Apprenticeship Mathematics Pathway.

Topics of study include: unit pricing, currency exchange, length, area, mass and volume in both the SI and Imperial systems, temperature conversions between Fahrenheit and Celsius, angles and parallel lines including estimating, measuring and constructing angles, angle bisectors, perpendicular lines, solving similar polygons and characteristics and solving of similar triangles and trigonometry of right triangles.

**Foundations of Mathematics and Pre-Calculus 10**

*This pathway will provide students with mathematical understandings and critical thinking skills identified for post-secondary studies.* This course is the starting point for the Foundations of Mathematics pathway and the Pre-calculus pathway. Each topic area requires that students develop a conceptual knowledge base and skill set that will be useful to whatever post-secondary pathway they have chosen.

Topics of study include: radicals including rational and irrational numbers, polynomials including factoring and multiplication, relations and functions including connecting data, graphs and situations, domain, range and function notation, linear functions including slope, rate of change, parallel and perpendicular lines, connecting graphs and tables, and equations of lines, solving systems of equations with two variables, and trigonometry of right triangles.

### **Workplace and Apprenticeship Mathematics 20**

#### **Prerequisite: Workplace and Apprenticeship Mathematics 10**

This course will provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the workforce.

Topics include preservation of equality, surface area, volume and capacity, right triangles, 3-D objects, personal budgets, compound interest, financial institution services, understanding of slope, applying proportional thinking and representing data using graphs.

### **Foundations of Mathematics 20**

#### **Prerequisite: Foundations of Mathematics and Pre-calculus 10**

This course will provide students with mathematical understandings and critical thinking skills identified for post-secondary studies.

Topics include inductive and deductive reasoning, proportional reasoning, properties of angles and triangles, cosine law and sine law, normal distributions, interpretation of statistical data, systems of linear inequalities and characteristics of quadratic functions.

### **Pre-Calculus 20**

#### **Prerequisite: Foundations of Mathematics and Pre-calculus 10**

This course will provide students with mathematical understandings and critical thinking skills identified for post-secondary studies.

Topics include absolute value, radicals, rational expressions and equations, trigonometric ratios, cosine law and sine law, factoring polynomial expressions, quadratic functions and equations, inequalities and arithmetic, and geometric sequences and series.

### **Workplace and Apprenticeship Mathematics 30**

#### **Prerequisite: Workplace and Apprenticeship Mathematics 20**

Topics include linear relations, linear functions, scatterplots and linear trends, measurement, accuracy, precision, and tolerances, statistics, measures of central tendency, percentile, probability, odds, geometry, triangles, quadrilaterals, polygons, transformations, trigonometry, sine law, cosine law, and business math.

### **Foundations of Mathematics 30**

#### **Prerequisite: Foundations Mathematics 20**

This course will provide students with mathematical understandings and critical thinking skills identified for post-secondary studies.

Topics include financial mathematics, set theory and notation, permutations, combinations, probability, polynomial functions, exponential and logarithmic functions, and sinusoidal functions.

### **Pre-Calculus 30**

#### **Prerequisite: Pre-Calculus 20**

This course will provide students with mathematical understandings and critical thinking skills identified for post-secondary studies.

Topics include trigonometric functions, identities, transformations, polynomial functions, rational functions, exponential functions, and logarithmic functions.

### **Calculus 30**

#### **Prerequisite: Pre-Calculus 30**

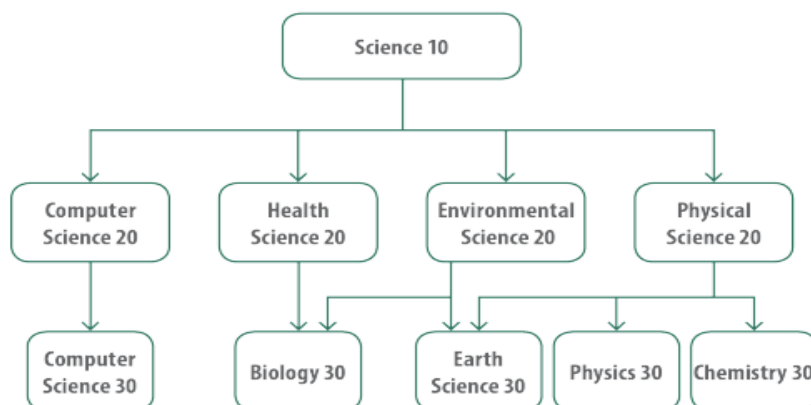
Content in this pathway will meet the needs of students interested in pursuing careers in math and science related areas in post-secondary. Calculus 30 is required for admissions for some university programs, however, not for all Universities. If Calculus 30 is not a requirement for university admissions, the completion of Calculus may increase achievement in a first-year university math class in math and science related programs. It is important for students to review admission requirements

Topics include functions, limits and continuity, differentiation, graphical applications of the derivative, applications of the derivative, differentiating transcendental functions, integration, area, and the definite integral.

# NATURAL SCIENCES

Students must have a Grade 10 Science and a Grade 11 Science for Graduation Requirements

## Science Pathways Framework



Each course in each pathway is to be taught and learned to the same level of rigour. No pathway or course is considered “easy science”; rather, all pathways and courses present “different sciences” for different purposes.

Students may take courses from more than one pathway for credit. The current credit requirements for graduation from Grade 12 are one 10-level credit and one 20-level credit in science.

## Science 10

**Prerequisite:** Science 9

Science 10 is a compulsory academic class for all grade 10 students. This course is a prerequisite for all other high school science courses (except Science 11 and Science 21). Science 10 is designed to help students realize the impact of science on their everyday lives.. Success in this course will require paying attention in class, completing assignments, and studying well for each exam. Included in Science 10 are the following topics: climate and ecosystem dynamics, chemical reactions, forces and motion.

## Science 11 (Modified Course)

Science 11 and Environmental Science 21 are specially modified and locally developed courses that are designed for students who have difficulty with the pace of the regular academic core courses. Science 11 is the Grade 10 Modified course and will follow the Science 10 topics of study.

**Note:** *Enrolment in one of these courses requires placement testing, consultation, and approval from parents and Student Services. Modified courses may not meet requirements for post-secondary programs.*

## Computer Science 20

**Prerequisite:** Science 10

Computer Science 20 is not about using a program to accomplish a task. It is about creating a program to do the task. This is an introductory level course that deals with the logic and organization behind computer programming. Strong logical reasoning skills are a definite asset. We will explore a few different programming languages. Assignments are done in the form of small programs that are to accomplish a specific task. Creativity is encouraged.

## Environmental Science 20

**Prerequisite:** Science 10

Environmental science is an experiential, project-based course designed to immerse students in the fundamentals of topography, water quality, air quality, recognition of native and invasive species, primary and secondary succession, forestry, agriculture and soil quality, and the effects of a changing climate on all of our natural systems. Students who take this course should be prepared to work independently on small projects and cooperatively on larger projects and will need to have ideal attendance as missing class results in missed experiential learning opportunities which are difficult to replicate. This class is a “big thinking” class where we understand how all the smaller pieces of environmental science fit together to influence our natural world.

### **Environmental Science 21 (Modified Course)**

#### **Prerequisite: Science 11**

Environmental Science 21 is a modified and locally developed course that is designed for students who have difficulty with the pace of the regular academic core courses. Environmental Science 21 will provide the Environmental Science 20 outcomes and will meet the Science 20 graduation requirement however will not meet the pre-requisite to 30 level Biology. **Note:** *Enrolment in one of these courses requires placement testing, consultation, and approval from parents and administration. Modified courses may not meet requirements for post-secondary programs.*

### **Health Sciences 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.

### **Physical Science 20**

#### **Prerequisite: Science 10**

This course combines elements of Chemistry and Physics in an integrated hands-on manner to investigate concepts related to heating and cooling, the foundations of chemistry, and the characteristics and properties of waves and electromagnetic radiation. This course requires a **strong mathematical background** along with the fundamental understanding of what was taken in Science 10. Student inquiry will guide independent investigations of physical science phenomena. Students will also study physical science related career paths.

### **Biology 30**

#### **Prerequisite: Health Science 20 or Environmental Science 20**

This course satisfies most post-secondary requirements. Biology 30 is designed to give students an in-depth look at how species evolved on the planet from the formation of the earth to present times. We will begin with defining the concept of "life" and how it is organized into different types of eukaryotic and prokaryotic organisms. We will dive into the processes and activities of Eukaryotic cells including photosynthesis and cellular respiration in Unit 1. In Unit 2, how proteins are made from DNA and how they can express different characteristics in organisms will be examined. We will also look into how these characteristics are passed from parent to offspring. The course will finish with an exploration of evolutionary processes and patterns including the Last Universal Common Ancestor and mass extinction in Unit 3.

### **Chemistry 30**

#### **Prerequisite: Physical Science 20**

Chemistry 30 is a core academic senior science course designed to satisfy most post-secondary entrance requirements. It is recommended that a strong mathematical background be obtained before entering Chemistry 30. The topics involved in Chemistry 30 are solubility and solutions, oxidation and reduction reactions, bonding and organic molecules, equilibrium, and acid/base equilibrium. *It is assumed that students performed well in Science 10 and Physical Science 20, as core ideas from those courses will be built upon in more detail.*

### **Physics 30**

#### **Prerequisite: Physical Science 20**

Physics 30 is a class that focuses on the application of Physics concepts and the use of formulas that describe physical science theories. This course satisfies most post-secondary requirements. The topics in Physics 30 include forces and motion, conservation laws, fields, and modern physics. *It is recommended that students who register for this class have a strong understanding of mathematics and formula manipulation..*

### **Computer Science 30**

#### **Prerequisite: Computer Science 20**

Computer Science 30 is an advancement of Computer Science 20. Students will advance their knowledge in Python and learn the basics of C# as well. Computer Science 20 was all procedural programming and Computer Science 30 shows the basics of Object-Oriented Programming. Creativity is encouraged. Students interested in pursuing Engineering are encouraged to complete this course in high school, but it is not required.

# SOCIAL SCIENCES

Two Social Sciences credits are required to meet graduation requirements which include:

-One of: History 10, History 11 (modified), Social Studies 10, Social Studies 11 (modified), Indigenous Studies 10 or Native Studies 11 (modified)

-AND One of: History 30, History 31 (modified), Social Studies 30, Social Studies 31 (modified), Indigenous Studies 30 or Native Studies 31 (modified)

\*History 20, Law 30, Psychology 20, & Psychology 30 are electives.

\*\* **Note:** Enrolment in modified courses requires placement testing, consultation, and approval from parents and administration. Modified courses may not meet requirements for post-secondary programs.

One of the following is a compulsory course for graduation.

## **History 10**

History 10 emphasizes social organizations by examining the ideals of the French Revolution, the social and economic changes brought about by the Industrial Revolution, the rise of the European Nation State and European Imperialism and the causes and events of World War I.

## **Social Studies 10**

Social 10 covers themes on society as well as the conceptual themes of political decision making, economic decision making, and the creation of the national state. The goal of the social studies program is to help students understand the major issues of societies in a global context. The program examines issues such as social change, history, people-land relationships, cross-cultural relationships, the governance of various nations

## **Indigenous Studies 10**

Focuses on social organizations of First Nations, Metis and Inuit peoples in Canada. It reinforces and complements the beliefs and values of the people, and presents materials in a continuum of traditional, historical, and contemporary perspectives. Accurate information on Saskatchewan's history is provided. This information forms the basis for positive future relationships amongst the diverse groups in Saskatchewan. The unique history of Aboriginal peoples is part of our collective past and present reality

One of the following is a compulsory course for graduation.

## **History 30: Canadian Studies**

**Prerequisite:** History 10, Indigenous Studies 10 or Social Studies 10

The course is a thematic history of Canada from the 1500s to the present with the primary focus of the course being confederation and post-confederation Canada. There are five main units in the course, each one focusing on a different theme: early Canadian history; economic well-being; the struggle for sovereignty; the State and the Individual; and the peoples of Canada.

## **Indigenous Studies 30: Canadian Studies**

**Prerequisite:** History 10, Indigenous Studies 10 or Social Studies 10

This course examines contemporary Indigenous issues specific to Canada. Content is organized around a structure of Truth and Reconciliation. Each unit discovers the historical causes, current realities, and ways forward for various controversial topics. The course has five main units of study, with each one focusing on a different theme: Treaties, governance, Land, and economic and social development in Canada. This course is of particular interest to those students wishing to pursue post-secondary studies in education and law enforcement

## **Social Studies 30: Canadian Studies**

The goal of the social studies program is to help students understand the major issues facing Canadians at the beginning of the 21<sup>st</sup> century. The program examines issues such as social change through Canadian history, people-land relationships, cross-cultural relationships, the governance of Canadian society, and Canada's relationship in the global community.

At least one of the following are recommended electives:

### **History 20**

**Prerequisite:** History 10, Indigenous Studies 10, Social Studies 10

The course surveys 20th century international relations from 1919 to present day. Topics include the Post World War I era (Nazism, Fascism, and Communism), totalitarian regimes of the 1930s, World War II, and the Cold War.

### **Psychology 20 - Social Psychology**

**Prerequisite:** History 10 or Indigenous Studies 10

This course will provide students with a general and introductory overview of the field of psychology, including the basic concepts of psychology and how psychological studies are conducted. Students will discover how psychological theories, methods, and studies lead to greater understanding of how humans think, feel, and behave. Topics such as perception, memory, language and thinking, human communication, personality, motivation, aggression, addictive behavior, learning, emotion, interpersonal relations, and data collection will be studied.

### **Psychology 30 - Developmental Psychology**

**Prerequisite:** History 10 or Indigenous Studies 10 or Social Studies 10

This course focuses on human development across the lifespan. Students will learn about human growth and changes in behaviour associated with age, including the various stages of development from infancy through childhood, adolescence, adulthood, and old age. Students will learn how psychological studies are conducted and engage in studies of their own. Students are encouraged to re-assess preconceived ideas and prejudices, and to discover how psychological theories, methods and studies lead to greater understanding of how humans think, feel and behave relative to each stage of development.

### **Law 30**

This course covers a wide variety of interesting and useful topics such as:

the origin of law, the court system, the Canadian Charter of Rights and Freedoms, the Young Offender's Act, the Criminal Justice System, tort law, consumer law and environmental law. The emphasis is on knowing one's individual and collective rights, protections, and responsibilities under the law.

# FINANCIAL LITERACY

### **Financial Literacy 10**

(Compulsory Course for SK Graduation Pathway - may be taken in Grade 10 or 11)

**Prerequisite:** none

Students will develop the skills and knowledge to help make responsible financial decisions, so that you are prepared and feel empowered to make informed decisions. You will have the opportunity to discover how financial literacy, education, career, family and lifestyle choices are all interrelated in your lives and future planning. This course focuses on critical thinking and overall financial well-being, through topics including earning, saving, investing, spending, borrowing, sharing, and protecting.

### **Financial Literacy 20**

In Financial Literacy 20, you will move to developing financial capacity as you continue to develop strong habits and practical skills you will use in your future. Students will learn about interest, financial risks, investments, and how the stock market works. You will look at financial contracts, compare buying, renting, and leasing, and learn why protecting against financial loss is important, to prepare you for financial success.

### **Financial Literacy 30**

Financial Literacy 30 focuses on seven areas: earning, saving, spending, borrowing, sharing, investing and protecting. You will learn about in-depth budgeting, bankruptcy, behavioral finance and macroeconomics, financial planning and investing as well as exploring buying versus leasing, and what you need to know about home purchases and mortgages. This course will help you plan for the future and explore postsecondary and career opportunities in the financial sector.

# PHYSICAL EDUCATION

Physical Education courses are designed to provide the student with activities based on the following criteria: to provide enjoyable team and individual activities that fulfill immediate physical, social, and emotional needs, as well as to enhance an appreciation of physical fitness.

Evaluation is based on skills, written assignments, exams and class participation. Proper gym attire is required.

**Students must have at least one of the following credits to meet graduation requirements: Wellness 10, Physical Education 20 or Physical Education 30.**

## **Wellness 10**

Wellness 10 is an integrated course of health education and physical education. This course has both a classroom and a gym component. This course also includes a service learning (volunteer) component. Wellness 10 contributes to fostering optimal wellness while recognizing there are many factors that promote well-being at every stage in a young person's development. Throughout Wellness 10, opportunities are provided for students to attain and maintain a healthy "mind, body, and spirit." Young people can acquire the understandings, skills, and confidence needed to complete the activities required for this course.

## **Physical Education 20**

This course involves theory and independent learning that builds on the skills and knowledge introduced in Wellness 10. There is an emphasis on individual skill, team play, knowledge of the rules and game strategies. Course outcomes include: Service learning, health and skill related fitness, body management, complex skills, physical activity within multiple environments, tactics and strategies, First Nations and Metis, nutrition, skeletal and muscular systems, personal mental health and a student directed study.

## **Physical Education 30**

This is a co-educational course that involves theory and independent learning. Course outcomes include: Leadership through service learning, lifelong fitness, body management, movement in multiple environments, complex skills, tactics and strategies, First Nations and Metis, nutrition, physiology and biomechanics, exercise psychology and student directed study. Lifetime activities that a student may experience in Physical Education 30 include: curling, archery, aquatics, billiards, bowling, softball, yoga, horseshoes, cycling, outdoor pursuits (snowshoeing), and sport taping. Some activities may take place off campus in which students will be asked to make arrangements for transportation since many of the activities are off campus.

## **Personal Fitness 20L (A locally developed course)**

### **Prerequisite: Wellness 10**

This course is open to both grade 11 and 12 students.

Saskatchewan health education, physical education and wellness curricula are designed to develop confident and competent students who apply health knowledge and skills to engage in a healthy and active lifestyle throughout life. Personal Fitness 20L builds on this foundation and hones in on developing good physical condition resulting through exercise and nutrition. Personal Fitness 20L focuses on general fitness and is designed to provide introduction and develop broad understanding of fitness in relation to general health including a variety of training methods.

## **Personal Fitness 30L (A locally developed course)**

### **Prerequisite: Personal Fitness 20L**

Personal Fitness 30L build on the foundation developed in personal fitness 20L and hone in on developing good physical condition resulting through exercise and nutrition. Personal Fitness 30L focuses on personal fitness goals. This course is designed to explore specificity and to develop a deep understanding of theory and principles of fitness in relation to personal improvement.

### **Exercise Science 30L (A locally developed course)**

#### **Prerequisite: Wellness 10**

Exercise Science 30 is an elective offered to both grade 11 and 12 students, grade 12's will be given priority when registering. This is an academic course.

Kinesiology is one of the fastest-growing disciplines at universities and colleges today and this course captures the breadth and excitement of this field of study! Kinesiology is the systematic study of the physiological, psychological, and sociological aspects of human movement and how it can be optimized. This course prepares students for university kinesiology programs as well as health professions such as nursing, physiotherapy, dentistry, massage therapy, etc.

Units of study include:

- Anatomy and Physiology - The Skeletal and Articular systems, The Muscular system, Energy systems and Physical Activity
- Nutrition, Training, and Ergogenic Aid - Nutrition for Human Performance, Training for Human Performance, Ergogenic Substances and Techniques.
- Human Performance and Biomechanic - Biomechanical Theory and Concepts, The Principles of Biomechanics, Analyzing the Efficiency of Human Movement

### **Outdoor Pursuits 20**

#### **Prerequisite: Wellness 10**

This class is a physically demanding class with very high expectations of each and every student. The class is based on 60% practical which includes exams and assignments on the following units: winter survival, CPR, swimming, biking, canoeing, and orienteering. The remaining 40% is based on performance on bike and northern canoe trips. An ongoing performance evaluation is done to ensure students are doing their best.

## **FINE ARTS**

### **Band 10**

#### **Prerequisite: Band 9 or Permission of instructor**

For instrumental students who wish to pursue the study of music through the wind band medium and develop their instrumental performance skills. Students will have several performances throughout the year and take part in spring travel and festivals. Band 10 is scheduled alternating days all year.

### **Band 20**

#### **Prerequisite: Band 10 or Permission of Instructor**

An extension of Band 10. Band 20 is scheduled alternating days all year.

### **Band 30**

#### **Prerequisite: Band 20 or Permission of Instructor**

For the serious instrumental student who wishes to further develop his/her instrumental skills. Advanced repertoire of many styles will be studied. Band 30 is scheduled alternating days.

### **Instrumental Jazz 10, 20, 30 (Auditioned Ensemble)**

Instrumental jazz is an auditioned ensemble that uses the provincial jazz curriculum.

#### **Instrumental Jazz 10 (Jazz Band)**

Students are required to take Band 10 in addition to the Jazz Band 10 credit.

#### **Instrumental Jazz 20 (Jazz Band)**

Students are required to take Band 20 in addition to the Jazz Band 20 credit.

#### **Instrumental Jazz 30 (Jazz Band)**

Students are required to take Band 30 in addition to the Jazz Band 30 credit.

### **Choir - (Choral 10, 20, 30)**

#### **Prerequisite: An Interest in Singing**

This class is designed to provide students with the experience of singing in a large choir setting. Each student will also have the opportunity to develop their personal singing skills. Some focal points include: alignment, breath, listening, vocal production, ear-training, warm-ups, rehearsal process, and performance. A variety of musical repertoire and styles will be covered in the course.

### **Vocal Jazz (Vocal Jazz 10, 20, 30) (Auditioned Ensemble)**

This is an auditioned class which is designed to provide students with a highly advanced experience of singing in a very select and small ensemble. Great emphasis is placed on personal vocal technique and performance. Some focal points include: vocal production specific to the jazz genre, ear-training, warm-ups, listening, microphone technique, rehearsal process, working with the rhythm section, improvisation, solo singing, and group performance. A variety of jazz repertoire is covered in this course.

### **Drama 10**

#### **Prerequisite none**

Units of Study with included activities:

- **PHYSICALITY IN ACTING:** staging, physical control, mime, character work
- **VOICE IN ACTING:** biology of speech, vocal control, vocal warm ups,
- **ACTOR'S WORK:** play study, beats, tactics, objectives, monologues
- **THEATRICAL PRODUCTION:** introduction to technical theatre, short play performance

### **Drama 20**

#### **Prerequisite: Drama 10 or permission of instructor**

Units of Study with included activities:

- **REVIEW OF PREVIOUS SKILLS:** staging, mime, speech, character development, improv., script work
- **TECHNICAL ASPECTS OF THEATRE:** basic technical design (set, costume, and lighting)
- **SCRIPT WRITING AND BASIC DIRECTING:** basics of writing successful scenes (action, story structure, genre, style, and writing structures), director's checklist, blocking, coaching.
- **COLLECTIVE CREATION:** working as a group (roles, ideas), themes, abstract (theatrical) versus realistic, physical theatre, performance.

### **Drama 30**

#### **Prerequisite: Drama 20 or permission of instructor**

Units of Study:

- **REVIEW OF PREVIOUS SKILLS:** staging, script work, technical theatre
- **THEATRE HISTORY:** Play Reading, Highlighting Common Themes, Parody
- **SCRIPT WRITING:** advanced writing (action, story structure, genre, style, and writing structures), playwriting.
- **DIRECTING:** director's checklist, blocking, coaching, directing
- **PRODUCTION:** performance of self-written pieces directed by fellow classmates.

The visual art program engages students in a variety of activities meant to develop an understanding of art from the perspectives of history, culture, and production, allowing students to respond confidently to works of art.

Materials/techniques, skill development, vocabulary mastery, viewing, responding strategies and ideas communication are common to all levels with increased challenges at each level.

### **Visual Art 10**

#### **Prerequisite: none**

Focus is on developing the language of art through a study of processes and approaches. The visual art program engages students in a variety of activities meant to develop an understanding of art from the perspectives of history, culture, and production, allowing students to respond confidently to works of art. Materials/techniques, skill development, vocabulary mastery, viewing, responding strategies and ideas communication are common to all levels with increased challenges at each level.

### **Visual Art 20**

#### **Prerequisite: Art 10**

Focus is on art as an expression of culture through the study of Canadian art and popular culture. The visual art program engages students in a variety of activities meant to develop an understanding of art from the perspectives of history, culture, and production, allowing students to respond confidently to works of art. Materials/techniques, skill development, vocabulary mastery, viewing, responding strategies and ideas communication are common to all levels with increased challenges at each level.

### **Visual Art 30**

#### **Prerequisite: Art 20**

Focus is on art as communication of ideas and cultures through study of personal expression. The visual art program engages students in a variety of activities meant to develop an understanding of art from the perspectives of history, culture, and production, allowing students to respond confidently to works of art. Materials/techniques, skill development, vocabulary mastery, viewing, responding strategies and ideas communication are common to all levels with increased challenges at each level.

### **Dance - (10, 20, 30)**

#### **Prerequisite: An Interest in Dancing**

The focus of Dance is to: develop students' dance technique and performance skills. Also, the course is designed to increase their understanding of choreography in relation to their own work and the work of others. Students will look at dance within a societal and historical context as well as examine their own relationship to dance.

### **Graphic Arts - (20 and 30)**

The Graphic Arts 20 and 30 curriculum provide students with opportunities to acquire knowledge and develop skills used in the photography/graphic arts industries while exploring related occupations. Students enrolled in Graphic Arts 20 and 30 will have the opportunity to learn about digital photography, animation, cartooning and gaming basics, digital manipulation, scanning, and photojournalism. Students will have opportunities to experiment with equipment and materials used in the graphic arts and will develop a portfolio containing a collection of examples of their work as they progress through the various activities, labs, and projects in the course.

### **Guitar - (10, 20, 30)**

#### **Prerequisite: An Interest in Guitar**

A course of directed and self-directed study in guitar playing. Students use a variety of materials to learn and expand their playing ability as well as increasing their understanding of guitar. Each class consists of a technique or musical lesson with application project work based on the student's playing ability with set goals for improvement.

# **BUSINESS AND CAREER EDUCATION**

### **Communication Media 10**

#### **Prerequisite: None**

Communication Media 10 Introduces and develops basic knowledge, skills, abilities and procedures used in the communication media industry in the areas of audio, video and multimedia production. Students will be introduced to the three stages of production including pre-production, production and post-production. They will be involved in basic audio, video and multimedia production activities, and will participate in two or more production projects. Projects include audio broadcasts, videos and claymation/stop motion productions.

### **Communication Media 20**

#### **Prerequisite: None**

Communication Media 20 increases the student's understanding of important knowledge, skills, abilities and procedures used in the communication media industry. Students will further enhance their pre-production, production and post-production skills. They will be involved in intermediate level audio, video and multimedia production activities and will participate in several production projects. Projects include audio broadcasts, stop motion animation, and video productions.

### **Communication Media 30**

Prerequisite: None

Communication Media 30 further develops the student's understanding of important knowledge, skills, abilities and procedures used in the communication media industry. Students will be engaged at an advanced level in one or more major projects that focus on audio, video and multimedia productions. Students will be engaged in more sophisticated post-production activities at the Communication Media 30 level. Projects include music mashups/remixes, stop motion animation, interactive websites and video productions.

### **Entrepreneurship 30**

Prerequisite: None

Entrepreneurship is a viable employment/career option for today's youth. Creating and running your own business could be in your future!

**A partnership with Junior Achievement, allowing students to initiate and operate their own business during the semester, brings this class to life! Theory put into practice gives students a firsthand look at owning and running a business.**

### **Leadership - (10, 20 and 30)**

Prerequisite: None

Leadership 10, 20 and 30 are designed to provide background understandings, knowledge, and skills required for successful leadership and leadership of oneself and one's peers, within the school and community, and beyond. Leadership courses are designed to expand leadership capacity, promote personal growth, and develop a sense of value towards leadership among youth with a focus on intrapersonal/individual leadership and interpersonal/group leadership in all courses respectively. Students will have the opportunity to participate in a unique blend of traditional classroom instruction integrated with independent and school-based inquiry including project-based learning. In developing Leadership 10, 20 and 30, various stakeholder concerns have been taken in account including the need to promote life-long learning and develop increased awareness, responsibility, and participation, both as individual and with others, as local and global citizens and effective leaders.

### **Career and Work Experience 20/Life Transitions 20** - Two credits

Prerequisite: None

This Career and Work Exploration and Life Transitions course offering is a two-credit combined class. With the overall emphasis on career development, some of the topics discussed are Personal Self-Knowledge, Relationships, Time Management, Portfolio Development, Work Study Preparation, Occupational Health and Safety, Labour Standards, Labour Market Information and Job Search Skills. Along with the classroom portion, students have the opportunity to participate in 60-75 hours of work-based learning. This experiential learning takes place during class time although flexibility of scheduling is permitted with the school's consent. Students with a record of poor attendance and punctuality will not be accepted in this program.

### **Career and Work Experience 30/Life Transitions 30** - Two credits

Prerequisite: None

This Career and Work Exploration and Life Transitions course offering is a two-credit combined class. With the overall emphasis on career development, some of the topics discussed are Life Roles, Health Self-Care, Conflict in Relationships, Money Management, Portfolio Development, Work Study Preparation, Occupational Health and Safety and Career Decisions. Along with the classroom portion, students have the opportunity to participate in 60-75 hours of work-based learning. This experiential learning takes place during class time although flexibility of scheduling is permitted with the school's consent. Students with a record of poor attendance and punctuality will not be accepted in this program.

# PRACTICAL AND APPLIED ARTS

**Industrial Arts Safety:** For personal safety, it is expected that all students taking shop classes have a good set of safety goggles. These goggles are to be worn while doing shop related projects. Failure to wear them as requested by the shop teacher will result in the student being removed from the shop area. The student may purchase these goggles themselves, or they may be supplied by the shop teacher. In cases such as autobody and welding, a set of goggles specifically designed for these shops may be required. Heavy full toed shoes are also required. No sandals or flip flops.

## **AUTOBODY 10**

Prerequisite: None

Topics include introduction to oxy-acetylene welding, hand tools in autobody, basic metal straightening techniques, surface preparation, filling techniques and sanding body filler, priming panels. Evaluation will be based on assignments, shop work and exams.

## **AUTOBODY A20**

Prerequisite: Autobody 10

Topics include advanced hand and power tools WHMIS and shop safety, MIG welding, plasma arc cutting, panel alignment, trim removal and installation and automobile design. Students will work on vehicles and have various exposure from initial straightening to paint preparation. Labs will be given to emphasize above areas. Evaluation is based on tests, labs, and project work. Next senior class to take would be A/B A30.

## **AUTOBODY B20**

Prerequisite: Autobody A20

Topics include glass removal and installation, MIG procedures and practices, advanced automotive structural design, estimating repair costs, plastic repair, headlight alignment. This class would appeal to those students that may be considering autobody as a trade or those willing to work on a major project.

## **AUTOBODY A30**

Prerequisite: Autobody A20

Advanced metal repair, vehicle surface preparation, automotive refinishing and painting. Students will work on vehicles with emphasis on final surface preparation and painting. Evaluation will consist of tests, labs and project work.

## **AUTOBODY B30**

Prerequisite: Autobody A30

Advanced vehicle surface preparation, refinishing and painting. This class would appeal to those who have a desire to paint a complete vehicle as a project or to those considering autobody as a trade. Evaluation will consist of tests, labs and project work.

## **AVIATION STUDIES 20 / 30**

This is a double class open to Grade 11 and 12 students. Students learn about the principals of flight in aviation along with basic aspects of piloting. This is a hands-on class where students will work towards assembling a flying replica airplane. Students will participate in several field trips to local aviation businesses and airports.

## **CAD 10**

Students will complete basic mechanical drawings, isometric, orthographic, and working drawings. Students will be able to design their own projects.

## **CAD 20**

Prerequisite: CAD 10

Students will use CAD (Computer Aided Drafting) to assist them in more complicated auxiliary views, revolutions and working drawings that may include material lists, assembly details, making or welding requirements, as well as an Introduction to Architectural Drafting.

## **CAD 30**

Prerequisite: CAD 20

Students will use CAD to assist them in designing a house and building a simple scale model of same house. Evaluation in class and completion of a working set of blue prints (floor plans) and a simple scale model.

### **CLOTHING 10**

Topics will include textile study, sewing theory and garment construction. Students will have to purchase fabric and supplies for sewing projects. Evaluation is based on assignments, tests and garment construction and quilting.

### **CLOTHING 20**

Prerequisite: TBD

Topics will include clothing decisions, sewing theory, quilting, and garment construction.

### **CLOTHING 30**

Prerequisite:

Topics include the history of fashion, the fashion industry, sewing theory and garment construction. Students must purchase fabric and supplies for sewing projects including a dress, quilt, and other garments. Evaluation is based on assignments, tests and garment construction and quilting.

### **CONSTRUCTION & CARPENTRY 10**

Prerequisite: None

This course begins by reviewing the safe use and operation of all woodworking machinery in our shop. Students will spend the majority of their time working on a project which is selected by the teacher in consultation with the students. Coffee tables, end tables, night stands, lawn chairs and wall cupboards are some projects done in the past. Evaluation is based on demonstrated safe work habits, project evaluation and written assignments.

### **CONSTRUCTION & CARPENTRY 20**

Prerequisite: Construction and Carpentry 10

Students must have taken grade 10 construction and carpentry before enrolling in this course. Shop safety, portable and stationary power tools, fasteners and adhesives, and cabinet making are the main areas of focus. Course content includes one required project and a second project selected by the student. Evaluation is based on project assessment, work habits, written assignments and tests.

### **CONSTRUCTION & CARPENTRY 30**

Prerequisite: Construction and Carpentry 20

This course is a logical follow-up to Construction and Carpentry 20. Students enter this course with the experience and background of two or three previous woodworking classes. Students will pursue a major cabinet/furniture project or they can take part in the construction of garden sheds, playhouses, gazebos or other outdoor projects. Evaluation is based on completed project(s), work habits, and written assignments.

### **ELECTRONICS 10**

No Prerequisite Required

A heavy duty but fun filled semester learning basic electronics. Students will build a kit that changes sound into three channels of light that moves to music.

### **ELECTRONICS 20**

Prerequisite: Electronics 10

Get deeper into electronics. Students build the original game "pong," then engineer their own distinctive "paddles" and enclosure.

### **ELECTRONICS 30**

Prerequisite: Electronics 20

30 level students still get a daily dose of electronics, but can choose their area of study for shop work. Some popular areas of project work have included: robotics, car audio, and house wiring.

### **FOOD STUDIES 10**

This course includes baking, milk & cheese, grains & fruits, vegetables, plus other units. This involves written theory, as well as cooking labs. Students will have an opportunity to qualify for a Food Safe Certificate issued by the Five Hills Health Region. Evaluation for this course is based on assignments, tests, and practical work.

### **FOOD STUDIES 20**

This course is an intermediate food studies course focusing on advanced culinary techniques, nutrition science and food security, building on basic kitchen skills. Students explore specialized topics like pastry baking, protein preparation, international cuisine, and food preservation while adhering to safety standards, often including work-related experience or specialized, culturally focused, or dietary-specific cooking labs

### **FOOD STUDIES 30**

Prerequisite: Foods 90 or Foods 10/ or permission of instructor

Topics include food through the life cycle, Canadian Food Mosaic Canada Food Guide and Beyond, creative baking and the science of nutrition. Evaluation is based on assignments and tests. This course will involve theory and labs related to food preparation techniques.

### **INTERIOR DESIGN 30**

Topics include elements and principles of design as applied to interior design projects. The course also includes interior design elements (such as choosing floor coverings, wall coverings and furniture), interior and exterior construction techniques explored. Evaluation is based on assignments, tests and design projects.

### **MACHINING 10**

Prerequisite: None

Course content includes safe operation of shop equipment and machinery using accurate measurement and layout. Most studies emphasize hands-on skills by building useable personal projects.

### **MACHINING 20**

Prerequisite: Machining 10

Course content includes more advanced machining operations involving greater accuracy and tolerances, with the introduction of jigs and fixtures while working on larger personal and group projects.

### **MACHINING 30**

Prerequisite: Machining 20

Course content includes the procedures used in mass production using jigs and fixtures and the application of metrics. During the course one will be designing and building personal and group advanced projects.

### **MECHANICS 10 (Automotive Industry)**

Prerequisite: None

Topics include the study of the automobile and the automotive industry.

The students will study the basic components and functions of the different automotive systems with an emphasis on small engines, automotive lubrication and tires. Automotive tools, fasteners and gaskets will also be covered. Safety and shop practices are very important. Evaluation is based on theory, shop work, and class work.

### **MECHANICS A20 (Engines & Brakes)**

Prerequisite: Mechanics 10

Shop oriented approach to valid practical experience with automotive engines. Areas studied include safety, engine design, disassembly, assembly, cleaning and inspection. Other topics include brake systems and wheel bearings. Evaluation is based on theory, shop work, and class work. There will be opportunities to service and repair your vehicle.

### **MECHANICS B20 (Suspension, Steering, Systems)**

Prerequisite: Mechanics 10, but Mechanics A20 is recommended

Topics include a study of storage batteries, headlights, cooling fans, exhaust systems, radiators, coolants, pulleys, belts, suspension, steering and seat belts. Evaluation is based on theory, shop work and class work. There will be opportunities for service and repair of your vehicle.

### **MECHANICS A30 (Starting, Charging, Ignition, and Fuel Systems)**

Prerequisite: Mechanics 10, but Mechanics A20 is recommended

Topics include a study of electricity, alternators, starting systems, ignition systems, fuel systems and extended study. Evaluation is based on theory, shop work, class work and a final exam. There will be opportunities to service and repair your vehicle.

### **MECHANICS B30**

Prerequisite: Mechanics 10, but Mechanics A20 and A30 are recommended

Topics include a study of universal joints, clutches, transmissions, differentials and extended study. Evaluation is based on theory, shop work, class work and a final exam. There will be opportunities to service and repair your vehicle.

**WELDING STUDENTS PLEASE NOTE:**

It is compulsory that all students taking welding must provide their own welding gloves and good protective clothing in the form of a long jacket, shop coat or coveralls.

**WELDING 10**

No Prerequisite Required

Welding 10 includes introductory modules in oxy-acetylene, electric arc, and metal inert gas (MIG) welding providing students with knowledge and skills in each of the three types of welding. The curriculum guidelines use theory and practice, including a variety of practical projects that allow students to develop practical skills.

**WELDING 20**

Prerequisite: Welding 10

Welding 20 provides students with intermediate knowledge and skills in oxy-acetylene electric arc and MIG welding. Various practical projects at the intermediate level are available for use with Welding 20, enabling students to enhance practical welding skills.

**WELDING A30**

Welding A30 provides students the opportunity to develop advanced knowledge and skills in each of oxy-acetylene, electric arc, and MIG welding. A range of advanced practical projects enable students to enhance welding knowledge and skills at the advanced level.

**WELDING B30**

Prerequisite: Welding 10, 20 and A30

Students who have successfully completed Welding 10, 20 and A30, and who intend to pursue a career in the welding trade may enroll in Welding B30. This course provides students an opportunity to enhance the knowledge and perfect the skills developed in Welding 10, 20, and A30. Welding B30 provides students an opportunity to select from a variety of practical projects and to explore independent learning opportunities to advance knowledge and skills further. B30 provides students with a greater opportunity for successful transition into the welding trade. Students who are seriously considering post-secondary education or training in the welding trades are encouraged to enroll in Welding B30.

The Alternate Education Program involves a combination of in-school academics and work experience in the community. All student placements in the program are made through the office of the Special Education Consultant at the Education Centre.