



# COURSE DESCRIPTIONS

## CONTENTS

ACCOUNTING 10 .....	3
ARTS EDUCATION 9 .....	3
ART 20 .....	3
ART 30 .....	3
BIOLOGY 30.....	3
CALCULUS 30 .....	3
CAREER AND WORK EXPLORATION 30.....	4
CHEMISTRY 30 .....	4
CHORAL 9/10/20/30 .....	4
CHRISTIAN ETHICS 9 .....	5
CHRISTIAN ETHICS 10 .....	5
CHRISTIAN ETHICS 20 .....	5
CHRISTIAN ETHICS 30 .....	5
CREATIVE WRITING 20.....	6
DRAMA 10/20/30 .....	6
ENGLISH LANGUAGE ARTS A9.....	6
ENGLISH LANGUAGE ARTS B9.....	6
ENGLISH LANGUAGE ARTS A10.....	7
ENGLISH LANGUAGE ARTS B10.....	7
ENGLISH LANGUAGE ARTS 20.....	7
ENGLISH LANGUAGE ARTS A30.....	7
ENGLISH LANGUAGE ARTS B30.....	8
ENTREPRENEURSHIP 30.....	8
ENVIRONMENTAL SCIENCE 20 .....	8
FINANCIAL LITERACY 20 .....	8
HEALTH SCIENCE 20 .....	9
HISTORY 10 .....	9
HISTORY 20 .....	9

HISTORY 30 .....	9
LEADERSHIP 20.....	9
LEADERSHIP 30.....	10
LIFE TRANSITIONS 30.....	10
MATH 9.....	10
MATH 10 - WORKPLACE AND APPRENTICESHIP .....	10
MATH 10 - FOUNDATIONS AND PRE-CALCULUS.....	10
MATH 20 - WORKPLACE AND APPRENTICESHIP .....	11
MATH 20 - FOUNDATIONS .....	11
MATH 20 - PRE-CALCULUS.....	11
MATH 30 - FOUNDATIONS .....	11
MATH 30 - PRE-CALCULUS.....	12
PHOTOGRAPHY 10/20.....	12
PHYSICAL EDUCATION 9 .....	12
PHYSICAL SCIENCE 20.....	13
PHYSICS 30.....	13
PRACTICAL AND APPLIED ARTS 9 .....	13
PRACTICAL AND APPLIED ARTS A10 .....	14
PRACTICAL AND APPLIED ARTS A20 .....	14
PRACTICAL AND APPLIED ARTS B20 .....	15
PRACTICAL AND APPLIED ARTS A30 .....	15
PRACTICAL AND APPLIED ARTS B30 .....	16
PSYCHOLOGY 20/30 .....	16
SCIENCE 9.....	16
SCIENCE 10.....	17
SOCIAL STUDIES 9 .....	17
VISUAL ARTS 10/20/30.....	17
WELLNESS 10 .....	17

*CLICK ON THE COURSE TO NAVIGATE TO ITS DESCRIPTION.*

## ACCOUNTING 10

Accounting 10 is an introduction into the language of business, with a focus on the accounting cycle of a service business. Topics include journals, ledgers, financial statements, accounting standards, basic payroll, business taxation, business banking and accounting standards. This is a great course for those interested in pursuing a career in business.

## ARTS EDUCATION 9

This course explores drama, music, and visual art. In all three of these strands, students are expected to exercise critical and creative thought as part of artistic expression.

## ART 20

This class uses pottery and watercolours to work through the Art 20 curriculum. We experiment with the main watercolour techniques and put them to practice in several paintings. We are also introduced to clay and the skills needed to make simple forms on the wheel. By the end, we will glaze all our treasures so we can keep them.

## ART 30

We have both experienced and beginning potters who design and make small dinner sets. You will also learn to make your own glazes and fire your pottery in the kilns. You do not need Art 20 for this class. If the clay likes you and you are kind to it, you might take some nice things home to mom when you are finished.

## BIOLOGY 30

The major theme of this course is to examine and understand the significance of biological evolution as a key unifying theme in the study of Biology. Students will engage critical questions of what life is and how it changes over time, deepening their appreciation of the intricacy of creation. 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. Students will also learn about new technologies arising in the biological sciences and contemplate the ethical issues and potential for discovery in this rapidly changing field of study.

## CALCULUS 30

This course opens a brand-new world. The power and beauty of mathematics takes on new meaning once students learn the basis of calculus. This course is equivalent to almost one complete first-year

calculus course in any university. Taking this course helps students to understand university engineering, physics, and math courses. The applications come from medicine, economics, business, engineering, physics, etc. If mathematics is in your future, calculus 30 will make it smoother.

## CAREER AND WORK EXPLORATION 30

Career and Work Exploration (CWEX) 30 focuses on giving students the opportunity to experience career choices and develop entry-level skills in the workplace by placing them in an actual workplace setting. Students in this course will spend 25 hours in the classroom and 75 hours in the workplace. Classroom learning entails constructing personal career documentation, such as resumes, life and work experiences, personality test outcomes, etc. into an organized career portfolio, developing interviewing skills, understanding labour standards and workplace occupational health and safety regulations, as well as online WHMIS training. The work placement that follows the classroom experience helps contextualize theoretical and prior life experiences to help students see the application and relevance to the real world. All in-class evaluations (25 hours) in this course come from the classroom teacher while workplace evaluations (75 hours) come from the workplace supervisor.

## CHEMISTRY 30

Chemistry 30 will expand on the study of chemical properties and reactions that was covered in Physical Science 20. We will study bonding and intermolecular forces and how these determine the properties of matter. We will also explore the nature of equilibrium in chemical reactions including solution chemistry and acid-base reactions. As we dive into the unit on electrochemistry, learners will explore oxidation-reduction reactions and the impact of electrochemistry on society and the environment.

## CHORAL 9/10/20/30

This course spans two terms beginning in September and concluding in April. Students from all grades are welcome—there are no auditions! We meet four days per week to practice together. Our outcomes emphasize vocal technique, attitudes/values, knowledge of music, and reading skills associated with following a musical score. We teach the vocal part that is best suited to each member (soprano, alto, tenor, or bass) and present our repertoire in full harmony. Emphasis is placed on working as a team and expressing our message effectively as we sing songs that glorify God! We present our music to a variety of audiences at church services, retirement homes, care centers, the Moose Jaw Rotary Carol Festival, Briercrest's Christmas presentation – "A Briercrest Christmas", and Briercrest Christian Academy's graduation ceremonies. Students also have the option of joining the four-day Easter Tour that takes place in the spring. This is a highly rewarding experience that takes us to various locations throughout Saskatchewan to share the gospel through song.

One credit is earned in each of the 10, 20, and 30 levels for a maximum of three choral credits. Credits for this course can fulfill the practical and applied arts/arts education credit requirements for high school graduation.

## *Christian Ethics at BCA*

The Christian Ethics program at BCA is intended to lead students through a process of growing their understanding of their faith and how it relates to their world. The program is intended to be sequential, requiring students to take the courses in a prerequisite format. Chapel is also integrated into the C.E. program.

### CHRISTIAN ETHICS 9

This is an issues-based class that examines topics like relationships, the effects of the media, dealing with temptations, and self-injury. Students are encouraged to gain a better understanding of themselves and how they should, according to biblical principles, relate to others around them in a way that is often cross-cultural.

### CHRISTIAN ETHICS 10

This course is intended to lay a foundation for our Christian beliefs by examining the history of Christianity - from the Old Testament through early church history. Important in this foundation is understanding who Jesus is, especially in the context of current culture, which often questions our scriptural beliefs. This leads to a discussion on the application of what we believe to how we should act in the world around us.

### CHRISTIAN ETHICS 20

This course builds on the foundation of Christian Ethics 10 by looking at why we believe what we believe. Understanding basic theology requires us to approach doctrines with both faith and critical thinking to better understand how to minister to the world around us. Students have opportunity for an in-depth Bible study. This leads to a section on being "the hands and feet of Jesus" as students learn from how others have accomplished mission in the past and see their potential role in mission.

### CHRISTIAN ETHICS 30

Many kids today aren't asking whether Christianity is real, but they do want to know what difference it makes. This class focuses on topics that are most applicable to students' needs with an honest look at the risks and joys of a growing Christian commitment and personal world view. The importance of a consistent Christ-honouring character and obedient lifestyle is emphasized with plenty of opportunity

for discussion, sharing of ideas, and study of basic Christian beliefs, love, sex, marriage, determining biblical standards, and integrity.

## CREATIVE WRITING 20

The ability to tell a story well is a powerful tool. This course is designed to guide you through an intense process of improving your creative writing skills. You will explore a variety of models of effective writing in different genres, and you will likewise be challenged to expand the boundaries of your own personal styles. Through both individual and group activities, you will have the opportunity to create masterpieces including radio plays, myths, fairy tales, poetry, parodies, satires, skits and diaries of Bible characters-not to mention children's stories to be shared with the Caronport Elementary School, and a poetry coffee house. Those who enter the course should be prepared to work hard, share ideas, and have fun! Prerequisite: English 10; Recommended: English 20. *Good marks in English are helpful, but not as important as a desire to learn to write better.*

## DRAMA 10/20/30

This elective is offered to students in Grade 10, 11 and 12 who are interested in pursuing drama beyond Grade 9. The content is on a three-year cycle so that students can enroll and learn new things every year. Students acquire several dramatic skills that they apply to the creation of works of dramatic art, study a variety of dramatic techniques and theory that help with acting, and experience dramatic artists in the community by attending live presentations. Students practice script writing, develop self-confidence, self-discipline, and self-motivation, and understand the processes and elements involved in creating works of dramatic art. The course is intended to help develop acting skills and to teach students to exercise critical thought when responding to drama.

## ENGLISH LANGUAGE ARTS A9

The English Language Arts A9 course seeks to develop the student's language skills in speaking, listening, writing, reading, and viewing. This is done primarily through integrating these skills into the study of a variety of poems, stories, and a novel centered on such themes as unusual characters, friendship, and fairness.

## ENGLISH LANGUAGE ARTS B9

This course represents a continuation of the emphases of English Language Arts A9. Comprehending and responding, composing, and creating, and assessing and reflecting are the ways in which we will study and learn. One of the main features of the course is that it introduces the students to reading a Shakespearean play.

## ENGLISH LANGUAGE ARTS A10

The themes for English Language Arts A10 are the unknown and challenges. The novels, stories, poems and plays we study come out of those themes. We work on all the main language arts skills of reading, writing, speaking, listening, viewing, and representing through a variety of assignments and activities, so students should improve their skills in all those areas. For many students, the most popular activity in the class is the literature circle novel study, and one of the most important skills they develop is how to use the writing process to construct a good essay.

## ENGLISH LANGUAGE ARTS B10

The themes for English Language Arts B10 are decisions and the environment. The novels, stories, poems, and plays we study come out of these themes. Students will continue to develop the language arts skills of reading, writing, speaking, listening, viewing, and representing that they were exposed to in ELA A10. Students have the option to read either *Macbeth*, a Shakespearean tragedy or *The Merchant of Venice* a comedy. Probably the most memorable assignment in class is the Shakespeare group project (a lot of work but a great experience), and one of the most important skills students develop is learning how to write a research essay.

## ENGLISH LANGUAGE ARTS 20

The focus of the English Language Arts 20 course is the development of the student's language skills in speaking, listening, writing, reading, and viewing. Centered on the themes of recollections (looking back to different aspects of childhood) and anticipation (looking ahead to the challenges and responsibilities of adulthood), the poems, stories, novel, and play we study are works of literature to which students can relate to their own lives.

## ENGLISH LANGUAGE ARTS A30

The focus of the English Language Arts A30 course is the development of the student's language skills in speaking, listening, writing, reading, and viewing. Centered on the themes of *Canada - Diverse Landscapes and Peoples* and *Canada - Diverse Voices*, poems, stories, novels, plays, and essays we study deal with different aspects of what it means to live in Canada, especially in Saskatchewan.



## ENGLISH LANGUAGE ARTS B30

Employers consistently rate the ability to communicate effectively and the ability to learn primary traits of effective workers. Whether you intend to pursue further education in a university environment or decide to take an alternate route to your career of choice, this course will equip you with a variety of sophisticated communication skills. At its core, the course focuses on the study of literature from around the globe and investigates both secular and Christian responses to the human condition and the social experience. Through interacting-both individually and in groups-with short fiction, nonfiction, novels, poetry, and multiple medias, you will further develop your skills in analyzing, synthesizing, problem-solving, writing, listening, reading comprehension, and verbal and creative expression.

## ENTREPRENEURSHIP 30

Entrepreneurship 30 provides students with opportunities to acquire knowledge and develop skills necessary to plan and begin a company, and to appreciate the role that entrepreneurs play in our society and economy. Partnering with Junior Achievement, students create and operate a company, giving hands-on experience in sales, production, financial planning, information processing, human resources, business communication, leadership, creative and critical thinking skills and interpersonal skills. The skills developed are valuable for both small business owners and corporate positions.

## ENVIRONMENTAL SCIENCE 20

Students will learn how to examine local and global environmental issues from a systems perspective while considering the effects of human actions and a growing global population on the climate and environment, as well as the effects of the environment on human health. They will explore the mechanisms and importance of aquatic and terrestrial ecosystems and the sustainability of past and current practices and technologies humans have developed to live with and within the environment.

## FINANCIAL LITERACY 20

Financial Literacy 20 is an introduction to financial issues and decisions that students may already be facing and will face in their adult lives. It focuses on seven areas: earning, saving, spending, borrowing, sharing, investing, and protecting and addresses topics such as the purposes of money, the importance of decision making as it applies to finances, information security, budgeting fundamentals, cell phone contracts, maintaining accurate financial records, the concept of interest and career opportunities in the financial industry. Adults often express that this is the course they wished they had been offered when they went to school!

## HEALTH SCIENCE 20

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 examine the range of philosophies that guide health care and consider ethical decision within those contexts. 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, including the role of nutrition and metabolism. Lastly, students will examine diagnostic tools and procedures and how they are used to inform treatment. Students will also investigate the range of health science careers and post-secondary programs available in Saskatchewan.

## HISTORY 10

This course is a combination of historical background and current events. Major historical themes include the following:

- The Renaissance / Reformation: to help us understand the foundations of the modern world.
- The French Revolution to help us understand our systems of government.
- The Industrial Revolution to help understand our economic foundations.
- The Age of Imperialism to help understand international relations.

## HISTORY 20

History 20 is a study of world history in the 20th century. It begins with a refresher on World War I and moves on to the Russian Revolution, Great Depression, World War II, and post-war developments. The course seeks to help each student understand why the world is the way it is today.

## HISTORY 30

History 30 is a study of Canada's history and government. It includes the eras of discovery, settlement, development, Confederation, settlement of the West, Canada's role in the major wars, development of our social safety nets, and roles of the recent prime ministers. We also study international relations, economic and foreign policies, and the structure of government.

## LEADERSHIP 20

This course explores the art of self-leadership and the art of connecting with others. Students learn principles and theories of leadership in the classroom and apply them through serving on our Student Leadership Council team. The aim of the course is to prepare you to effectively serve and influence others both during the school year and in your future.

## LEADERSHIP 30

This course explores the art of leading others and the art of spiritual leadership. Students learn principles and theories of leadership in the classroom and apply them through serving on our Student Leadership Council team. Students in this course have opportunity to fill one of the leadership roles on our SLC, including that of Co-President. The aim of the course is to prepare you to effectively serve and lead others both during the school year and in your future.

## LIFE TRANSITIONS 30

Life Transitions 30 provides students with opportunities to acquire knowledge and skills to enhance life-balance, relationships, personal skills and interests, mental well-being, consumer knowledge, career development and other essential aspects of independent living to effectively manage changes and transitions throughout life. Life Transitions 30 also explores aspects of a holistic approach to mental well-being.

## MATH 9

Math 9 reviews and builds on skills learned throughout elementary school. The main areas of focus are basic math skills, integers, data management, geometry, constructions and problem-solving. Math 9 serves as an important opportunity to strengthen algebra skills and logical thinking in preparation for the various streams offered in grades 10 through 12.

## MATH 10 - WORKPLACE AND APPRENTICESHIP

Workplace and Apprenticeship (Math10WA) focuses on mathematics that you will use in the workplace, as an apprentice, as a consumer or running a business. It is a pre-requisite for Math 20WA. There will be knowledge essential for specific trades and occupations. It makes the connection between school mathematics and the workplace by using specific work-related examples as much as possible. Students will be invited to participate in the class as the material is being presented, to be involved in the learning process as much as possible.

## MATH 10 - FOUNDATIONS AND PRE-CALCULUS

Foundations of Mathematics and Pre-Calculus 10 is a pre-requisite for both the Foundations Math and the Pre-Calculus Math in Grade 11. 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 20 - WORKPLACE AND APPRENTICESHIP

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into most of the trades, and for direct entry into the work force. Some of the topics include the following: financial mathematics, algebra, logical reasoning, geometry, and number sense. There is a focus on concrete skills as opposed to abstract mathematical ideas. Math 20 WA may meet the requirements for many programs and trades (Saskatchewan Polytechnic). However, Maths 30WA may also be necessary – this course is offered online – please consult our Career Counselor to ensure you have the correct courses.

## MATH 20 - FOUNDATIONS

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that do not require the study of theoretical calculus. Some of the topics discussed include the following: logical reasoning, geometry, trigonometry, algebra, statistics, and probability. Math 20 FDT consists of many abstract mathematical ideas and is a pre-requisite for Math 30 FDT. Together, Math 20 and 30 FDT meet the requirements of most programs offered in a post-secondary setting.

## MATH 20 - PRE-CALCULUS

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include absolute value, radicals, trigonometry, rational expressions and equations, factoring, quadratic functions, quadratic equations, inequalities, sequences and series, reciprocal functions.

## MATH 30 - FOUNDATIONS

In this course, students will examine financial decision-making including renting, leasing, buying, credit, compound interest, mortgages, and investment portfolios. Other topics include the following: inductive and deductive reasoning, set theory and its applications, odds and probability, the probability of two events, combinations, permutations, and the fundamental counting principal will also be studied. Polynomial, logarithmic, exponential, and sinusoidal functions will also be examined. Research and presentations of a current event or an area of interest that requires data collection and analysis may be a part of a final project. Together, Maths 20 and 30 FDT meet the requirements of most programs offered in a post-secondary setting.

## MATH 30 - PRE-CALCULUS

In this course, students will extend their understanding of angles to angles in standard position, the unit circle and its relationships to the six trigonometric ratios, the graphs of the primary trigonometric functions, the first- and second-degree trigonometric equations, and several trigonometric identities. They will also study operations and compositions of functions, transformations that include functions, functions, relations, inverses and their related equations, logarithms, polynomials and their functions, radical and rational functions, permutations including the fundamental counting principal, and combinations of elements related to binomial theorems.

## PHOTOGRAPHY 10/20

This course focuses on several main areas including the artistic side to photography by studying the elements of composition and the scientific side to photography through studying the elements of exposure and applying these skills in projects. Along the way we also practice photo editing skills. Our major project for the semester is helping craft the BCA yearbook. When working on the yearbook we practice design and layout skills. Photography 10 looks at the basics while Photography 20 takes a deeper look into elements of composition, elements of exposure and photo editing. Students are welcome to bring their own equipment to class, but we also provide students with DSLR cameras.

## PHYSICAL EDUCATION 9

Physical Education 9 continues to develop the K-12 Physical Education goals of active living, skillful movement, and healthy relationships. Using team games and personal fitness as the context, students will learn skills, game rules and tactics, body management, service learning, and leadership skills.

## PHYSICAL EDUCATION 20

In Physical Education 20, students will continue to develop their understanding of physical literacy. Students will explore health and skill-related fitness through a variety of indoor and outdoor physical activities. They will investigate how nutrition, mental health and a physically active lifestyle support personal well-being, and how the skeletal and muscular systems contribute to skillful movement, engage in service learning and explore topics of personal interest. Personal fitness, team and partner games, and individual activities will take place in multiple environments, both on- and off-campus. As an elective course, there is an additional fee to participate in off-campus activities.

## PHYSICAL EDUCATION 30

In Physical Education 30, students will continue to develop their understanding of physical literacy. Through a leadership role, students will explore opportunities to support lifelong physical activity. They will investigate the effects of body management activities on the well-being of self and community,

examine how nutritional choices, biomechanics and psychological factors can impact participation in physical activities, and will engage in service learning and explore topics of personal interest. Personal fitness, team and partner games, and individual activities will take place in multiple environments, both on- and off-campus. As an elective course, there is an additional fee to participate in off-campus activities.

## PHYSICAL SCIENCE 20

This course combines chemistry and physics in an integrated 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 waves. Physical Science 20 takes a conceptual and mathematical approach to lay the foundation for students who will go on to study Chemistry 30 and/or Physics 30.

## PHYSICS 30

Physics 30 studies Classical Physics as well as Modern Physics. Topics covered include distance, displacement, speed, velocity, acceleration, forces, energy and conservation of energy. A unit on Modern Physics looks at the theories of special and general relativity (topics that will challenge your thinking). This course will prepare you for post-secondary studies in the areas of physics and engineering.

## PRACTICAL AND APPLIED ARTS 9

**Career Education** – (1 module):

Using the website, myBlueprint.ca, students will complete various tasks and activities such as resume, portfolio and goal-building, personality-testing and WHMIS and Young Worker Readiness Certificate-training to enable them to develop the essential skills and career management competencies needed to help them achieve their potential in their personal and work life.

**Entertaining with Food** – (1 module):

This module is designed to entice adolescents to enjoy both the preparation and the eating of some of their favorite snack foods. Students can leave this class with recipes and skills to prepare breakfast and a pasta dish as well as planning a birthday party with a personalized birthday cake.

**Small Engine Mechanics** – (2 modules):

Students in this module will fully disassemble and reassemble a lawnmower engine with the following outcomes:

- learning and understanding the components and operation of a basic 4-stroke small engine
- learning safe and efficient techniques in the use of shop tools.
- learning and gaining experience in diagnosing, problem solving and working together with other students to accomplish a goal.

Students will also explore careers related to minor mechanics and/or small engine repair. Evaluation in this module will come from journals, quizzes and a final exam.

## **PRACTICAL AND APPLIED ARTS A10**

Students in this module will learn to prepare a variety of meals and desserts using a large variety of basic kitchen equipment and various sources of heat such as stovetops, microwave ovens, and small appliances. As much as possible, students will gain hands-on experience making foods they enjoy.

As students prepare meals in lab groups, they learn some basic food science, which helps identify why recipes don't turn out if certain steps are not followed carefully. Calzones, BBQ drumsticks, Sloppy Joes...is anyone hungry?

## **PRACTICAL AND APPLIED ARTS A20**

**Information Processing** – (2 modules):

Part A:

As the [imaginary] proprietor of a small, unincorporated business enterprise, students in Part A will create and manipulate (in all its necessary formats and functions) various EXCEL spreadsheets for the purpose of building, expanding, understanding and managing their five-year small business venture. Key areas of focus will be on demonstrating basic spreadsheet data entry, applying basic spreadsheet cell and document formatting features, graph and chart-building, and identifying and correcting common spreadsheet error values.

Part B:

Part B will see students managing their small business project using word processing skills. Students will transfer the information built in spreadsheets to a Word document thereby developing a five-year, written production plan for their small business. The key areas of focus will be on developing a five-year business plan for their business venture using a word processing application (WORD) according to its conventional formatting standards.

**International Foods** – (1 module):

With an intrigue in youth culture for traveling the world, students in this module experience an in-class tour of six major food cultures. In the labs we prepare a wide range of foods, learn to appreciate new flavors, try out some foreign traditions around the table, and use some unique equipment. Within the

18 days of this module, we often have guests come to our class to share their food culture with us: England, Japan, Italy, and Germany. Lessons range from eating with chopsticks to eating an Aussie treat called the Tim Tam Slam.

### **Textiles – (1 Module):**

Students in this module are introduced to working with cotton and its properties in construction, laundry, and ready-made clothing. Each student learns quickly to use their own sewing machine, and in 17 days they leave with a cozy, personalized quilt made with a fabric of their choice. No previous experience is needed.

## **PRACTICAL AND APPLIED ARTS B20**

PAA B20 is a construction class designed to help students learn skills in and understand how certain building systems work. To replicate basic house, shop, and/or garage-building (i.e., larger-building structures), students typically build 8x10 garden sheds from the ground up, including blueprinting, floor, wall and roof framing and exterior finishing (siding, trimming, shingling, installing windows and/or doors, etc.). Students will also learn to use and maintain a variety of portable and stationary power tools and hand tools and research some of the many skilled trades careers within the construction trade.

## **PRACTICAL AND APPLIED ARTS A30**

Whether you choose to study welding for personal use or to help you with further study and/or a job opportunity, a basic understanding of welding skills is important. This course is meant to provide you with opportunities to construct knowledge and acquire skills used in the welding industry and become familiar with career opportunities in the welding industry. More specifically, students in this course will:

- Develop understandings and skills using tools and equipment necessary in oxy-acetylene (OAW), shielded metal arc (SMAW), and gas metal arc (GMAW) welding.
- Research possible career pathways, including post-secondary education and training, in the welding industry
- Develop communication skills and apply mathematical understanding used in the welding industry
- Develop the responsibility, understanding, and skills needed to work safely in the school shop and work environment.

Course evaluation will differ from student to student depending on student experience entering this course.



## PRACTICAL AND APPLIED ARTS B30

This course includes modules from Foods, Food Safe, Clothing and Interior Design. A cluster of four modules exposes students to a practical set of skills:

Food Safe Module: Training in preparing food for public venues and future employment in the food industry. Students leave with a Canadian Food Handler's Safety Certificate, which adds significance to their resume.

Textiles Module: Each Students learns to confidently operate a sewing machine to sew a pair of pajama pants. Any mending in their wardrobe can be brought to class to learn about maintaining clothing.

Foods for Independent Living: students learn to prepare basic dishes for that inevitable day when we leave mom's kitchen! In a few months, we will want to be able to prepare meat dishes, rice, potatoes, and pasta dishes successfully. Motivation comes naturally -- we all love to eat. We also try various ways to present our food. As some say, "The first bite you take is with your eyes."

Interior Design Module: In this module, each student chooses a room and learns to redecorate it. The goal is to make it pleasing to their lifestyle. This time is never long enough to work with all the principles of design and create the dream, but we get a good start. Our motto is, "You never get a second chance to create a first impression." Students create a Concept Board as an interior designer with 17 materials such as: paint chips, carpets, hardwoods, 7 upholstery fabrics, lighting & accessories.

Additional fees will apply to this course.

## PSYCHOLOGY 20/30

Psychology 20 and 30 are offered in alternate years. This course covers all aspects of human behaviour that relates to the interaction between people. Many students particularly enjoy the units on nonverbal communication, group behaviour, and abnormal psychology. Many students find the "brain" physiology part (taught in both grade levels) to be challenging. Most students say that they enjoy the major project because they can select their own topic. People who are curious about human behaviour (almost all of us) will find this class both interesting and challenging.

## SCIENCE 9

Science 9 studies chemistry, electricity, space exploration and biology. This course, as most Grade 9 courses do, helps the students get used to high school-level classes. Many students particularly enjoy the demonstrations and the hands-on activities. This course is important in the development of many of the major ideas in science.

## SCIENCE 10

Science 10 covers an introduction to chemistry, climate dynamics and biodiversity, and motion. This course aims to prepare students for the upper-level classes in physical science, environmental science, chemistry, and physics. Students find this course to be challenging and often remark that they enjoy the various demonstrations and activities. All students must pass this class to move on to Grade 11 and 12 sciences.

## SOCIAL STUDIES 9

In grade 9 Social Studies, 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. Students will explore diverse sources of historical information, including oral histories, images, literature, and the arts. 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. Students will explore at least one historical indigenous society of North America, as well as Mesopotamia, Ancient Greece and Rome.

## VISUAL ARTS 10/20/30

It is not necessary to take these courses in order or to take a higher-level visual arts course without the completing the grade level below. Anyone is welcome to join if they have a love for art and are willing to try new things! Many of the same skills and mediums are used throughout all three of the visual arts classes offered, but the themes and units differ in each course. We will work with acrylic and watercolour paint, use a variety of 3D materials, create independent projects of individual choice, and spend time creating bowls on the potter's wheels.

## WELLNESS 10

The purpose of Wellness 10 is to develop confident and competent students who understand, appreciate, and engage in a balanced, healthy, and active lifestyle. Both health and physical literacies are addressed in developing a holistic approach to developing wellness across the physical, spiritual, mental, and social dimensions of our lives. Individually selected movement and fitness elements are added to team games. Additional topics include safety, service learning, and healthy eating.