

February 2022

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!

Tana Arnott
Principal

Brad Raes
Vice-Principal

A.E. Peacock Collegiate
145 Ross Street East
MOOSE JAW, SK S6H 0S3
Ph: (306) 693-4626
Fax: (306) 692-5330

Website: www.peacockcollegiate.ca
Twitter: @AE_Peacock
Motto: “Excelling Together”
Instagram: @aepeacockcollegiate

CLUBS & EVENTS . . .

1. Student Leadership Committee

The SLC is a group of students from grades 10-12 who discuss student ideas, run school activities and dances, as well as spirit activities throughout the year including Welcome Week and school assemblies.

2. Peer Support Groups

These programs offer students who care about others a chance to take the opportunity to put their concerns into practice. Examples of such groups include: WACT (“We Are Canadian Teens”) and SADD (“Students Against Drunk Driving”). The students perform various activities around the school and community.

3. Yearbook

The Talisman is printed every year by a student staff under the supervision of a student editor and staff advisor. The yearbook is an account of the memorable activities of the school year. We encourage the involvement of students in this club to produce a book that can be treasured now and in the years to follow.

4. School Productions

- i. **Fall Musical** – An important Peacock tradition that has been enthusiastically supported by the community. This production runs in early December.
- ii. **One Act Festival** – One Act competitions for high schools at regional and provincial levels. Competitions are in March/April.

5. Music

Peacock offers a variety of curricular and extra-curricular musical opportunities for students. Peacock offers Concert Choir, Concert Band, Vocal Jazz and Jazz Band/Ensemble/Combo. These groups are performance oriented and offer enrichment opportunities to the curricular music programs.

6. Intramurals

The philosophy of Peacock's intramural program is to make the gym accessible to **all** Peacock students and staff by offering a wide variety of noon hour activities. Students must change into gym clothing and proper footwear when using the weight room or participating in the gym. Core muscle training is offered every Tuesday from 12:15pm to 12:45pm with a professional trainer.

7. Interschool Sports

Competitive interschool athletics are geared toward the more serious athlete who enjoys competition, commitment and sportsmanship. The Moose Jaw High School Athletic Association offers the following activities and divisions of competition:

Cross Country – all students eligible

Soccer – girls and boys

Football – all students eligible

Golf – all students eligible

Volleyball – junior and senior divisions, boys and girls teams

Basketball – junior and senior divisions, boys and girls teams

Curling - junior, senior divisions for boys and girls, mixed

Badminton – boys, girls, mixed

Track and Field – midget, junior, senior, boys, girls

Wrestling – all students eligible

*If there are enough teams available to set up a league.

Sign-ups and try-outs will be announced and all students are encouraged to participate in these activities.

8. Core Training

A personal trainer works with Peacock students and staff on core muscle training once a week at lunch in the gym. Students are encouraged to take part in this free activity.

9. SASKATCHEWAN YOUTH APPRENTICESHIP PROGRAM (YAP) & SKILLS CANADA

This program is organized into a 'Student Self Motivated Learning' program. It is available to students in grades 10 - 12. Participation and completion of the program ensures an understanding of what an apprenticeship means in becoming a skilled journey person. Completed program benefits include: apprenticeship registration fee waived; 300 hour time credit toward first year; Level 1 tuition waived.

STUDENT SERVICES . . .

Student Services operates on a “drop-in” or “appointment” basis. Students are encouraged to use spares or to make appointments to see a counsellor. Counsellors listen and help students with their concerns so they can enjoy and be fully involved in all areas of life at Peacock. Students are encouraged to make use of the materials and information available in Student Services. Throughout the school year, a variety of opportunities are made available to:

- Assist students to become aware of their aptitudes, interests and values,
- Explore potential career areas and post secondary training options and develop career/academic portfolios if desired,
- Help students to acquire good decision-making and problem solving skills,
- Promote positive lifestyles.

Our guidance counsellor is available to assist the students and families of Peacock Collegiate. If students, for any reason, are experiencing problems and concerns which prevent them from getting the most out of life, they are encouraged to see one of the school counsellors.

SEMESTER SYSTEM . . .

Classes at Peacock are on the semester system. The first semester runs from September until January and the second semester runs from February to June. Students can take five different classes each semester for a total of ten credits each year. Students are evaluated in each class at the end of the semester rather than at the end of the school year. An exception to the semester system is the Band and Choral program and Math 100 and 200 which run for the entire year and result in one credit each.

TIMETABLE . . .

Each student has an individual timetable depending upon the classes the student requests. There are five classes each day; each class is 62 minutes in length with five minute breaks between classes. **Students should realize that selecting the correct class at registration is very important and changes to timetables may be difficult, if not impossible.**

COURSE NUMBERING . . .

The course numbering system is the standard pattern set out by Saskatchewan Education.

1. The first digit of the number indicates the year level:

90 is a grade nine course
10 is a grade ten course
20 is a grade eleven course
30 is a grade twelve course

2. The second digit indicates the type of course:

“0” indicates academic course
“1” indicates general course
“8” indicates alternate education course
“H” indicates honours course

Example:

Math 21	Grade 11 General Math
Health Science 20	Grade 11 Regular Course
Science 18	Grade 10 Alternate Education Course

3. Workplace and Apprenticeship and Math 20 Workplace and Apprenticeship credit respectively.

FOUR YEAR PLAN . . .

GRADE NINE

Compulsory Courses:

ELA 90
Social Studies 90
Science 90
Mathematics 90
Health 90
Career Guidance 90
Physical Education 90

GRADE TEN

Compulsory Courses:

ELA A10
ELA B10
Foundation of Mathematics Pre-calculus 10 *and/or* Workplace and Apprentice Math 10
Science 10
History 10 or Native Studies 10 or Social Studies 10
Wellness 10
◆ All grade 10 students must take 10 classes a year.

To achieve grade 10 standing, a student must successfully complete 8 credits at the grade 10 level. Other class options include the following:

Elective Courses:

Autobody 10	Band 10
CAD 10	Choral 10
Construction & Carpentry 10	Clothing, Textiles & Fashion 10
Dance 10	Drama 10
Electronics 10	French 10
Food Studies 10	Machining 10
Mechanics 10	Visual Art 10
Welding 10	

Please refer to the latest course request form for up to date elective listing.

GRADE ELEVEN

Compulsory Courses: (One Credit Each)

ELA 20
Foundations of Mathematics 20 or Workplace and Apprenticeship Math 20
Science (One of the following: Health Sciences 20, Biology 30, Physical Science 20, Chemistry 30, Environmental Science 20, Computer Science 20, Computer Science 30)
Social Science (One of the following: History 20, Psychology 20, Psychology 30, Law 30)

* Students must have a minimum of 2 credits at the 10, 20 or 30 level in Arts Education or Practical and Applied Arts.

Elective Courses:

Autobody A20	Autobody B20
Band 20	Biology 20
CAD 20	Chemistry 20
Clothing 20	Musical Theatre 10 / 20 / 30wel
Choral 20	Computer Science 20
Communication Media 20	Construction & Carpentry 20
Creative Writing 20	Drama 20
Electronics 20	French 20 (online)
History 20	Information Processing 20
Machining 20	Mechanics A20
Mechanics B20	Media Studies 20
Outdoor Pursuits 20	Native Studies 20
Phys-Ed. 20	Phys-Ed. 20 (Girls Only)
Phys-Ed. 20 (High Performance)	Physics 20
Psychology 20	Visual Art 20
Welding 20	Graphics Design & Photography 20
Career & Work Exploration/Life Transitions 20	

Please refer to the latest course request form for up to date elective listing.

Peacock requires that grade 11 students enroll in at least 8 classes per year (4 per semester). However, 9 or 10 classes are recommended.

- To obtain a complete grade 11, students require 16 credits in accordance with the above requirements – and other available options.
- Grade 10 prerequisite subjects must be passed before moving on to grade 11 classes. ex: ELA A10 must be passed before taking ELA 20.
- Students may take 30 level Home Economics electives in grade 11.

GRADE TWELVE

Compulsory Courses: (1 Credit Each)

ELA A30
ELA B30
History 30 or Social Studies 30
Electives – 2 Credits at the 30 level.

To have a complete grade 12 you must have 24 credits – 5 of which must be at the 30 level. Requirements listed are the minimum graduation requirements. Post-secondary institutions may have additional admission requirements. Be sure to check post-secondary calendars for specified admission requirements.

Electives:

Autobody A30	Autobody B30
Aviation 30	Band 30
Biology 30	CAD 30
Calculus 30C	Chemistry 30
Choral 30	Clothing, Textiles & Fashion 30
Computer Science 30	Construction & Carpentry 30
Drama 30	Electronics A30
Electronics B30	Entrepreneurship 30
Food Studies 30	French 30
Information Processing 30	Interior Design 30
Law 30	Machining 30

Foundations of Mathematics 30	Mathematics B30
Pre-Calculus Math 30	Mechanics A30
Mechanics B30	Phys-Ed. 30
Phys-Ed. 30 (High Performance)	Physics 30
Pre-Calculus 30	Psychology 30
Visual Art 30	Welding A30
Welding B30	
Workplace and Apprenticeship Math 30	
Career & Work Exploration/Life Transitions 30	
Aviation 30/Career Work Experience 30	

Please refer to the latest course request form for up-to-date elective listing.

All students are advised to take at least 8 credits in their grade 12 year. Students should refer to the graduation requirements and be sure that they have the required classes and the required number of credits. A student must have all the required classes and 24 credits to attend graduation. See a counsellor to check credit standing.

DRIVER EDUCATION . . .

No Credit

Prerequisite: Eligible students must be at least fifteen years of age, and reach their sixteenth birthday by December 31, as well as have the necessary parental consent and ability to obtain a valid Saskatchewan Class 7 license. Students should listen to announcements and sign up in the office at the appropriate time.

This is a non-semester thirty-hour class designed to:

- Help pupils acquire the insights, motivation, and good attitudes that are the foundation of responsible driving.
- Provide pupils with the knowledge and skills necessary for capable performance as vehicle operators.
- Help pupils acquire the ability to make wise decisions in driving (involving alcohol and other drugs, fatigue, emotions, and vehicle failure).

The student is also provided with six hours of “behind the wheel” driving time in a dual control vehicle. Additional lessons are provided upon request with a fee charged directly to the student.

*** As of August 1, 1997, this program became compulsory if students are applying for a driver’s license. Students failing to attend lessons may result in additional expense to the parent(s).**

GRADE 9 COURSE 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. This 100 hour class may be separated by gender (all male class & all female class) and may be offered in one semester or for the full year (every second day) depending on the school.

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

Each school 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 and the school. All students require a minimum of 100 hours in the Fine Arts area. Please refer to each school's individual website for a comprehensive list and description of elective courses.

GRADE 9 ELECTIVES

STEM 90

Are you passionate about science and technology? This elective is a great option for you to learn more about robotics, programming, and science research and will give you an introduction to the other types of science curriculum you will study in grades 10, 11, and 12. Students will participate in a robotics competition, science fair, and other cross curriculum studies. The course is only 50 hours long and is considered an elective for students who are excited about science, technology, engineering, and mathematics.

ARTS EDUCATION OPTIONS

1. 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 have the opportunity to participate in Jazz Band. Students should have previous band experience or permission from the band director to enroll. (100 hours)

2. 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 life long skills. Participation is required in festivals and school concerts. (100 hours)

3. 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)

4. 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)

5. 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)

6. 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)

7. Digital Photography 90

This course is an introduction to basic digital photography. Students will learn how to critique, analyze, stage, shoot, and edit digital photographs. The elements of design will be studied as they relate to photography. For students who may wish to take further photography classes in grade 10 and 11 should consider this class option.

8. 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. (25 hours).

PRACTICAL AND APPLIED ARTS

1. 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.

2. 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.

4. Aviation & STEM

Student will learn 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.

5. 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.

6. AutoCAD Pre-Engineering 90

The student will be introduced to the basics of design study and engineering. Through hands on activities, students will have fun being creative and find 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

7. 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

8. 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.

9. 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.

11. 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.

12. Video Production 90

Student will be given an opportunity to explore different kinds of online and computer based digital editing. 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. This course is intended as an introduction to the grade 10 and grade 11 Communication Media courses.

8. 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.

OTHER OPTIONS

13. 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.

GRADE 10, 11, 12 COURSES & DESCRIPTIONS

ENGLISH LANGUAGE ARTS . . .

General English Language Arts courses in grades 10, 11 and 12

These courses are intended for students who require curriculum modification to help them achieve success in English Language Arts. Students will be eligible for these courses through recommendation by their teachers and with approval of the resource staff, their counsellors and their parents. Modified credits (11, 21, and 31) will be awarded upon completion of these courses.

ENGLISH LANGUAGE ARTS A10 – one credit

Prerequisite: ELA 90

Themes studied from various sources are Canadian Frontiers and Homeland, Challenges, and the Unknown. The writing process will be taught with intensive study of capitalization and punctuation, parts of speech, elements of the short story and sentence patterns and errors. Evaluation is based on tests, assignments and the final exam.

ENGLISH LANGUAGE ARTS B10 – one credit

Prerequisite: ELA 90

Themes are studied from various sources and include: The Environment and Technology, Decisions, Equality, and a Shakespeare play. The writing process will be taught with intensive study of single and multiple paragraph construction and the basic essay format. Evaluation is based on tests, assignments and the final exam.

ENGLISH LANGUAGE ARTS 20 – one credit

Prerequisite: ELA A10 and ELA B10

Life is a journey that starts at birth. As we travel on the road of life, we make many discoveries that change the way we see our world and we meet many people who influence us. This idea is explored through the prose and poetry studied in this course. The writing process will be taught with a focus on figures of speech, literary devices, and small formal essays. Evaluation is based on tests, assignments and the final exam.

ENGLISH LANGUAGE ARTS A30 (Canadian Literature) – one credit

Prerequisite: ELA A10, ELA B10 & ELA 20

Canadian Literature is studied using a themes approach focusing on Canada and Canadian society. Themes in this curriculum are: Canada – Diverse Landscapes and Peoples and Canada – Diverse Voices.

ENGLISH LANGUAGE ARTS B30 (World Literature) – one credit

Prerequisite: ELA A10, ELA B10 & ELA 20

This course focuses on human concerns in a global society. The course is organized around global issues and perspectives, and uses traditional and contemporary world literature to examine these.

CONNECTIONS 20

Prerequisite: Completed Grade 10

This locally developed credit will incorporate creative writing, art, personal wellness and community involvement. Students will have the opportunity to independently select themes and content to explore. This course is an interdisciplinary approach to learning.

CREATIVE WRITING 20 – one credit (elective)

Prerequisite ELA A10 & ELA B10

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. By reading and discussing a variety of texts and by tapping their personal experiences and imaginations, students have an opportunity to create and prepare for possible publication of their own texts. They are encouraged to explore their own voices and to reflect on and to respond critically to their own and to their peers' writing.

MEDIA STUDIES 20 – one credit (elective)

Prerequisite: ELA A10 & ELA B10

Media Studies 20 is designed to help students better understand mass communication in our ever changing society. Students will explore the themes of mass media, photography, advertising, television, documentaries, film, online technologies and social media. Students have the opportunity to read, view, write and discuss critically as they examine the media that influence their lives. The course includes a final project that gives the students the opportunity to examine a media topic that is of interest to them.

ARTS EDUCATION . . .

BAND 10/20/30 – one credit each at the 10, 20, 30 level

Band is a performance-orientated class in which students are exposed to a variety of music geared to enhance their musicianship. Evaluation is based on attendance, attitude, and measured growth. Enrollment in Band is mandatory in order to be involved in any of the extra-curricular bands.

Students with no previous experience on their chosen instrument for the current year will require director approval to take the class. This translates into an independent study time in which the student(s) must be willing to take private lessons with the director and meet a standard before joining regular band class.

CHORAL 10/20/30 – one credit each at the 10, 20, 30 level

No Prerequisite Required

Choral is a performance-oriented class exposing students to many styles of music. Evaluation is based on attendance, citizenship, assignments, musicianship, written and singing tests. Enrollment in the Concert Choir is mandatory in order to be involved in any of the extra-curricular choirs or Vocal Jazz. The expectation is that the level of difficulty and responsibility will increase each year of involvement.

VOCAL JAZZ 10/20/30 – one credit each at the 10, 20, 30 level

Prerequisite: Concert Choir

Enrollment in this program is by audition only. Auditions will be held the first week back after the summer holidays. The Vocal Jazz program runs from September 1 to early June, Mondays and Wednesdays from 3:30–5:30 p.m. This group studies primarily Vocal Jazz as well as some other styles. The choir will participate in as many festivals, concerts, clinics and workshops available to us. Evaluation will be based on singing tests, written

tests/assignments, basic theory, music history, self-evaluation and attendance. Vocal Jazz students will be awarded Music 10/20/30 credits.

DANCE 10 – one credit

No Prerequisite Required

The focus of dance 10 is to: develop students' dance technique and performance skills. As well, 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.

DRAMA 10 – one credit

No Prerequisite Required

Involves play studies, history, production as well as drama in context and a collective creation. Evaluation is based on the students' ability to demonstrate a group of concepts and display of skills from these experiences.

DRAMA 20 – one credit

Prerequisite: Drama 10 or Permission of the Instructor

A more in-depth focus on acting, theatre appreciation, group dynamics, self confidence, processes of creating works and dramatic art and the role of drama in various cultures past and present. Evaluation is based on the extent to which the student grasps each concept.

DRAMA 30 – one credit

Prerequisite: Drama 20 or Permission of the Instructor

Students will acquire an increased understanding of others, themselves and the world around them. They will develop self-confidence, discipline and motivation; understandings of group processes, creating works of dramatic arts, develop acting skills, exercise critical thought and understand the role of drama in cultures. These topics will be explored in the creation of a collective play which will be presented for a public performance. Evaluation is based on the extent to which the student grasps each concept of the course and the student's participation in the collective work.

GRAPHIC DESIGN & PHOTOGRAPHY 20 – one credit

The Graphic Arts 20 curriculum provides 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 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.

GRAPHIC DESIGN & PHOTOGRAPHY 30 – one credit

Graphic Arts 30 is an extension of the Graphic Arts 20 concepts and skills, however, students will choose areas of in depth studies in their specific areas of interest. This course will examine computer graphics concepts at an Intermediate level. Digital photography, animation arts, computer generated digital arts, gaming, graphic design and video arts covered in Graphic Arts 20 will continue to be offered at a more advanced level in addition to new areas of study including digital sound production and other areas of digital reproduction. New graphic arts programs will be explored and utilized by students and mentorships with professionals in their areas of interest will be offered in order to further explore the many career choices this area offers.

GUITAR 10 – one credit

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 students playing ability with set goals for improvement.

VISUAL ART 10 – one credit

No Prerequisite Required

The grade ten visual arts program approaches the subject through a historical look at art, producing art, and discussions about art. The emphasis is on the productive processes, exploring a variety of art mediums including charcoal, pen and ink, computer graphics, collage, mixed medium sculpture, paint and clay. The course also includes one own choice project, gallery tours, and critiques.

VISUAL ART 20 – one credit

Prerequisite: Visual Art 10 or Permission of the Instructor

The grade eleven visual arts program approaches the subject through a historical look at art, producing art, and discussion about art. The emphasis is on the creative processes, exploring a wide variety of materials (see Visual Art 10) including photography, watercolour paint, and paper maché sculpture. The course also includes an own choice project, gallery tours, and critiques.

VISUAL ART 30 – one credit

Prerequisite: Visual Art 20 or Permission of the Instructor

The grade twelve visual arts program approaches the subject through a historical look at art, producing art, and discussions about art. The emphasis is on the creative processes, exploring a wide variety of materials (see Visual Art 10 & 20) including acrylic, oil paints and pottery. The course also includes an own choice project, gallery tours and critiques.

New * Theories and Techniques in Audio Visual Editing (Arts Education 20) – one credit

Prerequisite: Permission of the Instructor

This class will explore the technical design and developmental aspects of film making in a cross curricular approach. Using skills from visual art, dance, drama and music along with advanced PAA skills in graphic design and audio production, students will explore the various roles required to create video productions including lighting, direction, producing, acting, set design, writing scripts, sound design, post-production. Projects may include filming live productions, sporting events or creating projects shared in various ways such as streaming video or online distribution.

New * 3D Student Art 30 (Arts Education 30) – one credit

Prerequisite: Permission of the Instructor or Visual Art 20

This is a grade eleven and twelve elective that focusses on ceramics and 3D visual art.

FRENCH . . .

FRENCH 10, 20, 30 – one credit

Prerequisite: Previous Grade Level

Students will continue to work on improving their French skills through reading, listening, speaking and writing activities. Evaluation consists of exams, numerous quizzes, and a compulsory final exam in Grades 10 and 11.

HEALTH AND PHYSICAL EDUCATION . . .

WELLNESS 10 – one credit

This is a compulsory class for all grade 10 students. Successful completion of this class is necessary in order to take a grade 11 or grade 12 physical education credit. Classes are co-ed and run each day for one semester. Emphasis of the class is on creating a positive attitude towards lifetime fitness by participating in a wide variety of activities. The class has a one day a week classroom component where

students learn about topics such as fitness awareness, nutrition, stress management and anatomy and physiology. During this class students will develop and use a personal wellness plan. Appropriate gym clothing, footwear and a binder and pen are needed on a daily basis. Students need to be prepared to take control of their own fitness and needs towards their own lifestyle.

CREDIT PHYSICAL EDUCATION 20/30 – one credit each level

Prerequisite: none

The credit physical education classes' objective is to promote a healthy lifestyle through lifetime activities. Students will be given instruction in a variety of activities which could include: tennis, canoeing, golf, curling, archery, swimming, SCUBA diving, cross country skiing, downhill skiing/snowboarding, CPR and first aid, fitness, badminton, bowling, billiards, etc. (*Off-site transportation is the responsibility of the student and a student/parent driving agreement must be signed by all drivers.)

OUTDOOR PURSUITS 20 – one credit

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 the bike and northern canoe trips. An ongoing performance evaluation is done to ensure students are doing their best. There is a class fee of \$50.00.

PHYSICAL EDUCATION 20 or 30– ON CAMPUS – one credit

Prerequisite: none

We are excited to offer this on campus physical education class to students in grade 11 and 12. This would be an ideal class for students who enjoy challenging themselves through physical activity but can't commit to off campus activities or early morning classes, which are part of the other credit physical education classes. **All classes will run in the gym during the regular scheduled time.** Students enrolled in this class can expect to spend time on improving their personal fitness, team activities, and some lifetime activities.

PERSONALIZED SPORTS TRAINING 20L & 30L – one credit

Prerequisite: Wellness 10

We are excited to offer this new and innovative physical education elective opportunity to grade 11 and 12 students. This class focusses on fitness development, training (individual and group), goal setting, injury management, biomechanics, athletic psychology, and principals of enhanced physical performance. If you are serious about improving your skills in a specific school or community sport then this class is a great class for you!

MATHEMATICS . . .

FOUNDATIONS OF MATHEMATICS AND

PRE-CALCULUS 10 – one credit

Prerequisite: Mathematics 09

This course is a one semester class. It is intended to meet the needs of students interested in attending university or pursuing careers in technology, science or mathematical related classes. Content in the Foundation or Mathematics component include financial mathematics, geometry, measurement, numbers, logical reasoning, relations and functions, statistics and probability. Pre-calculus topics include algebra and numbers, measurement, relations and functions, trigonometry, permutations, combinations and binominal theorem.

FOUNDATIONS OF MATHEMATICS 20 – one credit

Prerequisite: Foundations of Mathematics and Pre-Calculus 10

This pathway is designed to provide students with mathematical understanding and critical thinking skills identified for entry into post-secondary programs. Topics include: Rate applications, scale diagrams, scale factors, perimeter area and volume, properties of angle and triangle, sine law and cosine

law, inductive and deductive reasoning, normal distribution, systems of linear inequalities and quadratic functions.

WORKPLACE AND APPRENTICESHIP MATHEMATICS 10 - one credit

Prerequisite: Mathematics 09

This course is a one semester class. It is intended to meet the needs of students intending to pursue careers in non-technical hands-on trades and general workplaces. Topics include algebra, geometry, measurement, numbers, statistics and probability.

WORKPLACE AND APPRENTICESHIP MATHEMATICS 10 – one credit

Prerequisite: Mathematics 09

This course is full year course. It is intended to meet the needs of students intending to pursue careers in non-technical hands-on trades and general workplaces. Topics include algebra, geometry, measurement, numbers, statistics and probability.

WORKPLACE AND APPRENTICESHIP 20 – one credit

Prerequisite: Workplace and Apprenticeship 10

This course is based on students' prior learning and it continues to develop their number sense, spatial sense, logical thinking and the understanding of mathematics as a human endeavor. Another goal of this course is to encourage lifelong learning, to develop a sense of self and community, and to form engaging citizens. Content in this class includes: slope and rate of change, graphs, surface area, volume and capacity, scale representations, financial services and personal budgets. This course is unique in that it emphasizes hands on experience with the addition of unit projects.

PRE-CALCULUS 20 – one credit

Prerequisite: Math Foundations and Pre-Calculus 10

This pathway is designed to provident students with mathematical understanding and critical thinking skills identified for entry into post-secondary programs (science and math related areas). Topics include: Absolute value of real numbers, operations on radicals, rational expressions, angles in standard positions, trigonometric ratios of angles, sine law and cosine law, factoring, absolute value functions, quadratic functions and equations, systems of linear functions, linear and quadratic inequalities, arithmetic and geometric sequence and series and reciprocal functions.

WORKPLACE AND APPRENTICESHIP MATH 30 – one credit

Prerequisite: Workplace and Apprenticeship Math 20

This pathway is designed to provide students with the mathematical understanding and the critical thinking skills identified for entry into the majority of trades, some post secondary programs and direct entry into the work force. Topic include: limitations of measuring instruments Sine Law and Cosine Law (excluding ambiguous case), problems involving polygons, transformations of 2-D shapes and 3-D objects (translations, reflections, rotation, dilation), logical reasoning via games and puzzles, acquisition of vehicle viability of small businesses, linear relations, measure of central tendency (mode, median, mean, weighted means, trimmed means), percentiles (analysis), probability problems.

FOUNDATIONS OF MATH 30 – one credit

Prerequisite: Foundations of Mathematics 20

This pathway is designed to provide students with the mathematical understanding and the critical thinking skills identified for entry into postsecondary programs in programs that do not require the study of calculus. Topics include: compound interest and financial decision making, cost analysis, investment portfolio: interest rate, rate of return, total return, numerical and logical reasoning via puzzles and games, simple set theory (Venn diagrams, intersection, union, and complement), conditional statements, assessing validity of probability and odds-based statements, probability of mutually and non-mutually exclusive, dependent and independent events, fundamental counting principal, permutations, combinations polynomial functions (degree>3), logarithmic and exponential functions, sinusoidal functions research project: current event or area of interest related to mathematics.

PRE-CALCULUS 30 – one credit

Prerequisite: Pre-Calculus 20

This pathway is designed to provide students with the mathematical understanding and the critical thinking skills identified for entry into post secondary programs that require the study of calculus. (Science and math related areas). Topics include: degrees and radians unit circle, six trigonometric ratios (degrees and radians), sine, cosine, and tangent functions trigonometric equations (degrees and radians), trigonometric identities, operations and composition of functions (function notation), transformations of graphs and equations, logarithms, factoring beyond degree 2 (integral coefficients), polynomial functions (degree<5), radical functions, rational functions fundamental counting principal, permutations, combinations, binomial theorem.

CALCULUS 30 – one credit

Prerequisite: Pre-Calculus 30

Topics – functions, differentiation of algebraic, trigonometric and logarithmic functions, application of derivatives, limits, integration of functions, area and volume, complex numbers and polar coordinates. Evaluation: examinations & quizzes. This is an Honours level class for knowledgeable, committed mathematics students.

NOTE: The courses below are general courses and are available to students through recommendation by their teachers and with approval of the resource staff, parents and counsellors.

MODIFIED MATHEMATICS 11 – one credit

- Major concepts include:
- Algebra skills
- Consumer mathematics
- Linear equations
- Linear functions & variation
- Angles & polygons

Evaluation will be based on the following: quizzes, assignments, homework, exams and final exams.

MODIFIED MATHEMATICS 21 – one credit

Prerequisite: Math 11

Major concepts include:

- Irrational numbers
- Consumer math
- Probability
- Similar figures
- Circles
- Factoring
- Consumer Math – budgeting, loans, wages, taxes

Evaluation will be based on the following: quizzes, assignments, homework, exams and final exams.

BUSINESS EDUCATION . . .

COMMUNICATION MEDIA 10 one credit

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. There is an exciting opportunity for students to show case their videos at School Assemblies and to potentially participate in Skills Canada Saskatchewan.

COMMUNICATION MEDIA 20 (one credit)

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. There is an exciting opportunity for students to show case their videos at School Assemblies and to potentially participate in Skills Canada Saskatchewan.

COMMUNICATION MEDIA 30 (one credit)

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. There is an exciting opportunity for students to show case their videos at School Assemblies and to potentially participate in Skills Canada Saskatchewan.

ENTREPRENEURSHIP 30 – one credit

Prerequisite: None

Entrepreneurship is a viable employment/career option for today's youth. It is predicted that by the year 2010, 50% of workers will create their own livelihoods, by either starting their own business or by piecing together several jobs (Source: Women Entrepreneurs of Saskatchewan Inc.). 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.

FINANCIAL LITERACY 20 – one credit

Prerequisite: None

Financial Literacy 20 focuses on seven areas: earning, saving, spending, borrowing, sharing, investing and protecting. The course is an introduction to financial issues and decisions that students may already be facing 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

CAREER EDUCATION . . .

CAREER AND WORK EXPLORATION/

LIFE TRANSITIONS 20 - two credits

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. A positive character reference by a school staff member is also required.

CAREER AND WORK EXPLORATION/

LIFE TRANSITIONS 30 - two credits

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. A positive character reference by a school staff member is also required.

HOME ECONOMICS . . .

CLOTHING 10 – one credit

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 – one credit

Prerequisite: TBD

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

CLOTHING 30 – one credit

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

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.

FOOD STUDIES 10 – one credit

This course includes baking, milk & chees, 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 30 – one credit

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 – one credit

Prerequisite: none

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.

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, slippers or Sanuks (sandal shoes).

AUTOBODY 10 – one credit

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 – one credit

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 – one credit

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 – one credit

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 A30 and B30 may be taken individually or in a 2 hour block each day for a full semester for 2 credits to allow more time for project work.

AUTOBODY B30 – one credit

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 – one credit

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

CAD 20 – one credit

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 – one credit

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.

CONSTRUCTION & CARPENTRY 10 – one credit

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 – one credit

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 – one credit

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 – one credit

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 – one credit

Prerequisite: Electronics 10

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

ELECTRONICS 30A and 30B - one credit each

30A - 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.

30B – Prerequisite: 30A on permission of instructor

Main project: digital multimeter design project: robot controller.

MACHINING 10 – one credit

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 – one credit

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 – one credit

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) – one credit

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) – one credit

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) – one credit

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) – one credit

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 – one credit

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. Students who have difficulty getting these compulsory items should speak to the teacher or counsellor prior to the beginning of class. No exceptions will be made.

WELDING 10 – one credit

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 – one credit

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 – one credit

Prerequisite: Welding 20

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 – one credit

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.

***NOTE:** Completion of Welding 10, 20, A30 and B30 provides students with the theoretical knowledge and skills included in Level I of the Welding trade as outlined by the Apprenticeship and Trade Certification Unit of Saskatchewan Post-Secondary Education and Skills Training (SPEST). Students who successfully complete Welding 10, 20, A30 and B30 will be given 400 hours towards their apprenticeship.

SCIENCE . . .

ENVIRONMENTAL SCIENCE 20 – one credit

Prerequisite: Science 10

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.

Areas of Study: Integrative Nature of Environmental Science Atmospheric Systems, Human Population, Aquatic Systems, Terrestrial Ecosystems

BIOLOGY 30 – one credit

Prerequisite: Health Science 20

Topics include a study of the chemical basis of life, mitosis, meiosis, photosynthesis, cellular respiration, genetics, and evolution. Additional study of plant systems, animal systems, microscope use, dissection and other lab techniques will be presented.

PHYSICAL SCIENCE 20 – one credit

Prerequisite: Science 10

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. An overarching theme is the study of the enterprise of public and private science as it occurs in agriculture, industry, and universities to help students better understand various physical science related career paths. Student inquiry will guide independent investigations of physical science phenomena

Areas of Study:

Heat, Foundations of Chemistry, Properties of Waves

CHEMISTRY 30 – one credit

Prerequisite: Physical Science 20

Chemistry 20 topics are extended. Additional topics are solutions, thermodynamics, reaction rate, reaction equilibrium, acid/base reactions and electrochemistry

COMPUTER SCIENCE 20 – one credit

Prerequisite: Science 10

This course will deal with programming for the Internet as well as programming applications for Windows 98/2000. In the Internet programming section, students will learn about Flash, DHTML, Java Script, and CSS in designing Internet based applications. This is a small section of the course. The main part of the course deals with programming in Visual Basic 6.0. Concepts learned include: assigning variables, setting up loops, manipulating strings, setting up arrays, building databases, and creating programs that interface with databases. Evaluation is based on programs, tests, assignments and projects.

COMPUTER SCIENCE 30 – one credit

Prerequisite: Computer Science 20

This course will deal with programming for the Internet. Using Perl, PHP, SQL and other server-side scripting application we will be designing dynamic interactive web-sites. We will learn about how to program client side scripts with HTML, CSS, Flash, and JavaScript to create a portal which interfaces with CGI scripts and databases. We will work with Peacock's web server to develop sites and in the process learn how to program.

HEALTH SCIENCES 20 – one credit

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 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.

Areas of Study:

Health Care, Philosophies and Ethics, Human Body, Nutrition, Diagnostics and Treatment

FORENSIC SCIENCE 20 – one credit

Prerequisite: Science 10

Students will examine how crime scenes are handled and how evidence is collected and analyzed. The course deals with mature content. Units of study include evidence and fingerprint analysis, trace evidence, criminal profiling, arson, policing and canine units, and forensic ballistics.

PHYSICS 30 – one credit

Prerequisite: Physical Science 20

Topics include kinematics and dynamics, mechanical energy, electricity and nuclear energy

SCIENCE 10 – one credit

Prerequisite: Science 90

Topics include Chemical Reactions, Weather Dynamics, Ecological Sustainability, and Forces and Motion. Students will also prepare a science project

NOTE: The courses below are general courses and available to students through recommendation by their teachers and with approval of the resource staff, parents and counsellors.

SCIENCE 11 – one credit

Prerequisite: Science 90

This course is designed to be a more hands-on science class, designed for those who haven't been successful in previous science classes. Topics covered are the same as those in the Science 10 class, but with less emphasis on calculation and memorization. Topics include the scientific method, basic principles of chemistry and the periodic table, microscope use and biology, and some nuclear physics

SCIENCE 21 – one credit

Prerequisite: Science 11/10

Topics covered include biology: food chains, webs, pyramids, etc., cycles, bromes, ecosystems, community populations, succession, chemistry: matter and energy, states of matter, atoms, elements, compounds, etc., periodic table and its significance, formulas and equations, physics: graphing, simple distance time problems, waves – generally and sound and light

SOCIAL SCIENCE . . .

SOCIAL 10 – one credit

Prerequisite: Social Studies 90

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 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

HISTORY 20 – one credit

Prerequisite: Social 10

This course covers a study of recent world events including World War I, Word War II, the United Nations, the Cold War east-west relations and other current world events.

HISTORY 30 – one credit (Canadian Studies)

Prerequisite: Social 10 or History 10

A study of Canada to include our cultural heritages and their role in the Canadian Mosaic, Canadian geography, the structure of our government and its institutions, a short history of Canada's evolution from colony to sovereign nation and a study of Canada's changing role in the world community.

LAW 30 – one credit

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.

MENTAL HEALTH STUDIES 20/30 – one credit

Students will learn different aspects of mental health challenges, mental illness, as well as, create a personalized mental wellness plan. This course should be taken by students who wish to understand their own mental health and wellness, and by those who wish to better understand others around them.

NATIVE STUDIES 10 – one credit

Focuses on social organizations of First Nations, Metis and Inuit peoples in Canada. It reinforces and complements the beliefs and values of the peoples, 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.

PSYCHOLOGY 20 – one credit

This class explores how the thoughts, feeling and behaviour of people are influenced by the actual, imagined or implied presence of others. Students will develop an understanding of the role, function and applicability of social psychology in today’s society. This course will focus on a variety of themes or trends found in current psychological investigations. Some of the topics included are: Brain and memory; Human communication and body language; Motivation; Body image and media influence; Emotions, attitudes and personal traits; Methods of research; Major perspectives in psychology; Abuse and dating violence; Criminal and abnormal behavior; Prejudice and racism and Group influence

PSYCHOLOGY 30 – one credit

This class explores and exposes students to the study of human development across the time span of human life from birth to old age and death. This class is highly project based. Throughout the semester guest speakers will be brought into class. The course includes a parenting simulation over a continuous time period of 72 hours using realistic computerized “Think It Over Baby Simulators”. Units of study include: What is Developmental Psychology; Parenting Issues; Infancy; Childhood; Adolescence; Adulthood and Old Age.

SOCIAL STUDIES 30 – one credit

The goal of the social studies program is to help students understand the major issues facing Canadians at the beginning of the 21st 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.

MODIFIED CLASSES . . .

Classes with general content are offered in some areas, namely English Language Arts curriculums 11, 21, 31, Math 11, 21, Science 11, 21, and History 11 and 31. In other areas, teachers will adapt the regular curriculum to meet individual student’s needs. In some cases, the modification may result in an 11, 21, or 31 designation for that particular class. Modification will only be done after consultation with student, parent, teacher and counsellor.

ALTERNATE EDUCATION CLASSES . . .

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.

SCHOOL AGE PARENT PROGRAM . . .

This program provides an opportunity for pregnant and parenting teens to continue their education in a positive and caring environment in which the student may begin, continue or complete high school courses. This program provides an integrated service which responds specifically to the needs of the pregnant and parenting teen. An infant day care facility is on site.

EXTENSION PROGRAM . . .

The Extension program is an individualized program designed to meet the needs of students struggling to be successful due to personal and/or attendance issues.