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# CARLTON COMPREHENSIVE HIGH SCHOOL

## DEDICATED TO EXCELLENCE

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### MISSION STATEMENT

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*Carlton's Mission:*  
**CREATING LEARNING OPPORTUNITIES THAT  
ENCOURAGE ALL STUDENTS TO STRIVE  
FOR PERSONAL EXCELLENCE.**

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### PURPOSE STATEMENT

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*Carlton's Purpose is to assist students  
in developing CONFIDENCE,  
RESPONSIBILITY and INDEPENDENCE.*

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### WELCOME TO CARLTON

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Carlton Comprehensive High School is here to help provide an environment in which students are free to pursue their high school education with as few interruptions in the teaching - learning process as possible.

As a school, we are responsible for helping students become good citizens. Our practices are intended to help in this function.

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### EXPECTATIONS OF STUDENTS

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Students are expected to conduct themselves as young adults while attending Carlton. The following guidelines should be followed by students in order to make Carlton a better place for everyone.

1. Students are expected to be in regular attendance in all their classes.  
All work assigned by the teacher should be done to the best of the student's ability and handed in on time.  
Students should be in their classes on time.
2. Students are expected not to be in the hallways during classes. Students are expected to pick up their books for all morning classes at the beginning of the day and for all afternoon classes prior to 1:05 p.m. Should it be necessary to be in the hallways during class time, students must have a hallway pass and are expected to conduct themselves in a quiet and courteous manner.

3. Students who have a study period and remain in the building should be in the Library, the Cafetorium or the Student Lounge. Students are not allowed in the hallway once classes begin.
4. Students are to follow the expectations established by the classroom teacher. These expectations will be given to the students by the classroom teacher at the beginning of each semester.
5. If students arrange to have someone meet them in the building, they are to advise that person to report to the General Office upon entering the building.
6. If a student enrolls in a class after the first day of classes, it is the student's responsibility to request a copy of the teacher's expectations.
7. As young adults, students will respect the property and personal rights of every individual involved with Carlton.

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### ATTENDANCE

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#### Philosophy

It is the student's responsibility to attend classes regularly. Parents have a responsibility to notify the school if their son or daughter has reason to be absent from class. The school has a responsibility to communicate with the parents of a student who is not meeting this responsibility.

Our primary means of contacting home regarding student absences is an automated system that delivers an electronically generated telephone message.

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## CARLTON CLASS TIMES

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8:50	Warning Bell
8:55 - 9:55	<b>CLASS ONE</b>
9:55 - 10:00	Class Move
10:00 - 11:00	<b>CLASS TWO</b>
11:00 - 11:05	Class Move
11:05 - 12:05	<b>CLASS THREE</b>
12:05 - 1:00	NOON
1:00	Welcoming Bell
1:05 - 2:05	<b>CLASS FOUR</b>
2:05 - 2:10	Class Move
2:10 - 3:10	<b>CLASS FIVE</b>

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## PARKING

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The north parking lot and the Art Hauser parking lot are provided for students use. Any student who abuses the parking lot privileges will have his/her car ticketed or towed away. There is no parking on the roadway in front of the school. Students are not allowed to park in the east parking lot. This is for staff and visitor parking only; non-staff vehicles parked in this area will be ticketed or towed away.

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## STUDENT SERVICES

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**Location:** Student Services is located on the main floor in the red block immediately west of the main entrance.

**Counselling services are available to all Carlton students.**

**Our objectives are:**

- To assist students in obtaining maximum benefits from their studies;
- To help students develop to their full potential;
- To assist students in their personal growth and development;
- To assist students to fully explore their options.

Trained counsellors are available to assist students with their academic as well as personal needs. Counsellors are available throughout the school day to assist students in a variety of ways including career counselling. Parents of students may also access Student Services to discuss their student's needs.

### Activities Sponsored by Student Services:

1. Teen Mothers' Group
2. Career Days
3. Tours: Post Secondary Institutions

### Shared Services

Several other professionals are available through Student Services:

1. Educational Psychologist
2. Health Nurse
3. Mental Health Worker
4. Speech Therapist
5. Drug and Alcohol Counsellor
6. Police Resource Officer

### Career Education and Personal Services

Students are invited to explore our various written materials as well as discuss their needs with counsellors in Student Services. We also have career exploration tests, calendars of universities and colleges and information on resume writing and career opportunities. We strive to assist all students in setting and reaching their goals.



**Carlton Comprehensive High School**  
**Dedicated to Excellence**  
**Credit Requirements for Secondary Level Completion**  
**Regular Program**

**Grade 9 Standing**

Courses are not credit courses.

**Grade 10 Standing - Minimum 8 Credits**

English A10                      Math 10  
English B10                      Wellness 10  
Science 10  
Social Studies 10 or History 10 or Native Studies 10  
plus three electives at level 10 or higher

**Grade 11 Standing - Minimum 16 Credits**

English 20                      Math 20  
Chemistry or Physics or Biology or Computer/Science 20  
Social Studies 20 or History 20 or Native Studies 20 or Psychology 20  
plus four electives

**Grade 12 Standing - Minimum 24 Credits**

English A30  
English B30  
Social Studies 30 (Canadian) or History 30 (Canadian) or Native Studies 30 (Canadian)  
two 30 level credits  
two credits in Practical and Applied Arts and/or Arts Education at level 10 or higher

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**Arts Education**

Band 10, 20, 30  
Choral 10, 20, 30  
Drama 10, 20, 30  
Graphic Arts 30  
Theatre Arts 20/30  
Visual Art 10, 20, 30

**Practical and Applied Arts**

Accounting 10, 20, 30  
Apprenticeship 30A, 30B  
Architecture 20, 30  
Cabinet Making 20, 30  
Christian Ethics 30  
Commercial Cooking 10, 20, 30  
Construction 10, 20, 30  
Cosmetology 10, 20, 30  
CPT 10, 20, 30  
CAD/Engineering 20, 30  
Drafting 10  
Electrical 20, 30A, 30B  
Electricity/Electronics 10  
Info Processing/Technology Studies 10  
Law 30  
Machining 10, 20, 30  
Mechanics 10, 20A, 20B, 30A, 30B  
Psychology 30  
Welding 10, 20, 30A, 30B  
Work Experience 30A, 30B

**Notes:**

- 1 credit = 100 hours of classroom instruction
- Modified courses (11, 21, 31) can be used to fulfill requirements in the required courses of study, specified areas of study and electives.

**Other Classes**

Cree 10  
French 10, 20, 30  
\*French Immersion courses as designated each year.

**Elective Requirements**

To meet the credit requirements for graduation, students will be required to take nine elective courses at the secondary level. These courses will include at least seven courses at Grade 11 or 12.

To fulfill elective credit requirements, students may choose courses from the required areas of study, the Practical and Applied Arts, language courses, and locally-developed courses.

# GRADE 9

## COURSE DESCRIPTIONS

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Most classes are year long with the exception of Art and Science. The Practical and Applied Arts (PAA) course includes units of study in machining, mechanics, carpentry, drafting, electrical and welding. PAA and Physical Education alternate with each other every 15 days for the entire year. English Language Arts, Social Studies, Technology Studies and Career Education are taught in a two-hour block, year long.

Students must take:

- English Language Arts 9 (year long)
- Social Studies 9 (year long)
- Science 9 (semestered)
- Math 9 (year long)
- Practical and Applied Arts Survey 9 (year long)
- Physical Education 9 (year long)

All grade nine students will take **Information Processing 10**. It will be integrated into their regular program throughout the year. Students will receive a credit for this course upon successful completion of grade nine.

**Students in Grade nine must choose one of the following courses:**

### **BAND 9**

At Carlton, Band is offered during the school timetable. This means there are no early morning or noon hour rehearsals and students are not pulled out of other classes to attend practice.

Band classes are backed with a compulsory class so that one day the student would attend Band and then the next day he/she would attend the other class. This way of timetabling Band allows the class to run for the whole year, which enables the group to perform at different events (school concerts, festivals).

Students choosing to take Band should have previous Band experience - not necessarily at the previous grade level, but students must know how to play their instrument and be able to read music. Students with music reading experience who are interested in taking Band, but have not played a Band instrument before, should meet with the Band Director.

In Band class, students work on developing and improving their instrumental and musical skills and group performance. Students taking Band 10, 20 or 30 receive a high school credit.

### **CHORAL 9**

Choral class is offered during the school timetable, but its exact timetabling depends upon the number of students enrolled in the class. Choir is open to both genders and students do not need any previous music or singing

experience. The course introduces students to choral singing with emphasis on music reading, parts singing, vocal skills and group performance. The Choir performs at a number of different events throughout the year (school concerts, community concerts, festivals). Choir is a lot of fun and students interested in singing are encouraged to join even if they have never sung before. Students taking Choral 10, 20 or 30 receive a high school credit.

### **DRAMA 9**

Grade 9 Drama at Carlton is a hands on, action-packed, group oriented study of ensemble skills, physical and vocal communication and performance skills, disguised as fun. The course is taught in a positive atmosphere of mutual respect, and an environment where creative security is established. The more co-operative, positive and hardworking the group is, the more in-depth and advanced their drama program can become. The course will focus on the following creative units: improvisation - creatively expressing character, introductory scene study and performance, mask creation to aid in character development and portrayal, and monologue interpretation and delivery. Group and individual work will be used to develop skills in movement, voice, story development, conflict building, characterization, use of theatre terminology, and application of production techniques.

### **VISUAL ART 9**

Students will have the opportunity to create paintings, sculptures, and drawings while working with a variety of media such as clay, paint, pastels, coloured pencil, pencil, pen and ink, and collage materials.

This course consists of three units:

#### **Unit One: The Visual Environment**

This unit focuses on the natural and man-made environments as sources of art ideas and as a means through which ideas are expressed.

#### **Unit Two: Making Connections**

This unit focuses on the way people read and communicate ideas using visual symbols and images.

#### **Unit Three: Visual Art and Artists**

This unit focuses on the role of visual art in various cultures, time periods, and in our community.

# LEVEL 10 (Grade 10) COURSE DESCRIPTIONS

## ARTS EDUCATION

### **BAND 10 (4526) .....1 credit**

Prerequisite: Band experience at the junior high level, or special permission by meeting with the Band Director.

Students selecting this course must be able to read music notation. Band 10 is a continuation of programs established at the Junior High level with emphasis on the development of instrumental and musical skills and group performance. The band will be limited to traditional concert band instruments. Please direct any questions to the Band Director.

### **CHORAL 10 (4529) .....1 credit**

Prerequisite: None

This course is an introduction to choral singing with emphasis on music reading, sight reading, parts singing, vocal skills, pronunciation skills, and group performance. The class is open to both males and females. Please direct any questions to the Choral Director.

### **DRAMA 10 (4525) .....1 credit**

Prerequisite: None

Drama 10 focuses on acting styles and the characterization process. Students will examine the power of the visual image through the staging of two-person scenes and monologue performances. Individuals will develop stage confidence through the performance of short dramatic selections presented to the class. This is a dynamic class requiring enthusiasm and creative energy on the part of the student. Please direct questions to the drama teacher.

### **VISUAL ART 10 (4527) .....1 credit**

Prerequisite: None

*The Fine Arts Department strongly recommends that students take Visual Art 10 before enrolling in either Visual Art 20 or Visual Art 30*

Visual Art courses are thematic in approach. Through the use of various media which may include drawing, painting, digital imaging, printmaking, and craft, the student will study Ways of Thinking, International Visual Art, Local and Regional Culture, Technology and Visual Art, and Interpersonal Themes.

The student is required to purchase some materials and equipment.

## FRENCH IMMERSION/ Immersion française

**French Immersion Grade 10 students must take all of the following courses in Grade 10:**

### **FRANCAIS 10 (4020) .....1 credit**

Prerequisite: Grade 9 Français

C'est dans l'étude de la presse écrite, la chanson et les contes que l'élève explorera différentes formes du discours. L'élève sera appelé à développer ses habiletés dans les quatre savoirs de la communication orale et écrite.

### **HISTOIRE 10 (4312) .....1 credit**

Prerequisite: Grade 9 Histoire

A look at the history of Europe and America from the time of the French Revolution to the beginning of the 20<sup>th</sup> century. Emphasis is on political and economic decision-making, the political spectrum, and international political and economic relations.

### **MATHEMATIQUES 10 (4407) .....1 credit**

Prerequisite: Grade 9 Math

Voir le programme du cours Math 10.

### **MATHEMATIQUES 20 (6407) .....1 credit**

Prerequisite: Math 10

Voir le programme du cours Math 20.

### **SCIENCES 10 (4224) .....1 credit**

Prerequisite: None

Lab fees: To be determined

Ce cours se veut une exploration de la science naturelle et physique qui mène à des études plus spécialisées en 11<sup>e</sup> année. L'apprentissage s'effectuera au cours d'activités de recherche et d'exploration. L'instruction sera délivrée en français.

## LANGUAGES

### **CREE 10 (1466) .....1 credit**

Prerequisite: None

Cree 10 is a language development course with both oral and written components.

The writing system will utilize "Collin's Modified Roman Orthography" or "Standard Roman Orthography" in "Th" dialect.

Course materials will be developed around the students' cultural background.

**ENGLISH LANGUAGE ARTS A10 (4017) ....1 credit**  
Prerequisite: English Language Arts 9

**This course is mandatory for graduation purposes.**

ELA A10 focuses on increasing student competence and confidence in using language for both functional and aesthetic purposes. This class is organized around the themes of challenges, the unknown, and Canadian frontiers.

**ENGLISH LANGUAGE ARTS B10 (4018) ....1 credit**  
Prerequisite: English Language Arts 9

**This course is mandatory for graduation purposes.**

ELA B10 focuses on increasing student competence and confidence in using language for both functional and aesthetic purposes. This course is organized around the issues of human rights, decisions, and the environment.

**FRENCH 10 (4019) .....1 credit**  
Prerequisite: None

At Carlton, students follow a Core French Program intended for students who have completed at least one year of French language study. Previous experience with French, however, is not necessary. Students with little or no previous French study are provided with extra practice and review so that they can catch up with students who have more French experience.

The Grade 10 Core French program, "Passages 2", provides students with the opportunity to develop reading, writing, listening, and speaking skills in French through a variety of daily activities and monthly themes. The themes revolve around fast food, fashion, music, sports, travel and movies.

The Core French program is designed to teach students basic vocabulary and sentence structure. This program is not suitable for students with an extensive background in French Immersion.

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## MATH

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**Students must take one of the following to meet graduation requirements:**

**MATH 10 (4403) .....1 credit**  
Prerequisite: Students must have successfully passed a regular Saskatchewan Learning Grade 9 Math Program.

All students planning to attend university should select this course. Students will require a scientific calculator for all math courses.

The topics in Math 10 are: Equations and Inequalities, Relations, Linear Functions, and Variation, Lines and

Line Segments, Angles and Polygons, Consumerism, Polynomials and Rational Expressions.

**MODIFIED MATH 11 (4412) .....1 credit**  
Prerequisite: One year of math at the Grade 9 level.

Note: Students can register for this course upon the recommendation of the Math Department. Signed parent permission is required.

This is a prerequisite for Math 21 and is designed for those students who have difficulty in mathematics. It does not qualify a student to take Math 20 & 30. This course is designed as a skill-building course. Topics include computation with whole numbers, decimals and common fractions, per cents, basic algebra (signed numbers, evaluation of expressions, solving simple equations, graphing ratio and proportion), the metric system and mensuration (perimeter, area and volume). The emphasis is on consumer-related concepts and real-life situations.

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## PHYSICAL EDUCATION

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Carlton Physical Education T-Shirt (available at school store), appropriate gym shorts/sweats are required. Swimsuit and non-marking footwear are also required.

**WELLNESS 10 (4600) .....1 credit**  
Prerequisite: None

**This course is mandatory for graduation purposes.**

Wellness 10 will provide each student with the opportunity to:

- Develop an understanding and appreciation of a healthy, active lifestyle, thereby enabling the student to make productive use of leisure time;
- Develop and refine motor skills, enabling participation in a wide variety of physical activities. This will facilitate the pursuit of a healthy active lifestyle;
- Develop a wellness philosophy and facilitate the pursuit of wellness as a lifelong behavior pattern.

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## PRACTICAL AND APPLIED ARTS

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Students must complete two credits in Practical Applied Arts and/or Arts Education to meet minimum graduation requirements. After completing these courses the students may have the opportunity to apply for a work experience apprenticeship project. Students also have the opportunity to get involved with the Provincial Skills Canada competitions. Please talk to the instructors for more details.

**ACCOUNTING 10 (5205) .....1 credit**

Prerequisite: Accounting 10 does not have a prerequisite but students should have a solid understanding in Math before taking Accounting 10.  
Supplies: Workbook (See instructor)

This INTRODUCTORY LEVEL course provides a solid foundation in understanding the basic procedures of accounting. A service business is used to cover basic accounting theory and the complete accounting cycle. The students will have the opportunity to examine the accounting cycle on the computer during the semester. A most valuable course for both personal and business use.

**COMMERCIAL COOKING 10 (4906) .....1 credit**

Prerequisite: None  
Lab Fee: \$20.00

Please note: To participate in the food lab students must wear closed toed shoes, long pants or skirts, and a t-shirt. Students will not be allowed in the kitchen or food lab without proper attire.

Commercial Cooking 10 is designed to provide students with the knowledge and skills needed to prepare the student for working in various food service industries. Studies emphasize the food service industry, nutrition, standardization, safety and sanitation, tools and equipment, large equipment, salads and salad dressings, sandwiches, vegetables, cereals, rice and pasta, yeast breads, quick breads, cakes and cookies.

The instructional component of the program will be delivered in lectures and individual instruction combined with visual aids such as charts and videos. The practical component will be done in the kitchen.

**COMMUNICATIONS PRODUCTION TECHNOLOGY 10 (4955) .....1 credit**

Prerequisite: None

This class is a hands-on introduction to a variety of multi-media techniques. We will work with digital video editing, audio editing, web page creation and presentation software. The use of computers and software will be emphasized. Students will also be required to spend time outside of regular class time taking digital pictures and videos.

**CONSTRUCTION 10 (4980) .....1 credit**

Prerequisite: None  
Fee: \$20.00 (projects)

This course provides an introduction to the hand and power tools used in the construction field. Course content is placed in the following areas: interpretation of drawings, types of materials, order of operations, layout, joint construction, finishing and related mathematics. Tools are introduced using the project method.

**COSMETOLOGY 10 (4901) .....1 credit**

Prerequisite: None

The course of study includes student orientation to cosmetology, personal hygiene, cells and tissues, bacteriology and sanitation. Histology of: the skin, hair and nails, chemistry of cosmetics, first-aid and safety. Lab work includes shampoos, manicures, thermal styling, braiding, facials and roller placement.

The instructional program will be delivered in lectures, demonstrations and individual instruction combined with visual aids such as charts, slides and videos. Practical work will be done on live models and mannequins.

**DRAFTING/CAD 10 (4977) .....1 credit**

Prerequisite: None

Drafting is an introductory course in both theory and the practice in drawing. The course introduces the student to lettering, orthographic projection, descriptive geometry, dimension and pictorial presentation by using both freehand sketches and/or computer aided drafting.

Students will be expected to demonstrate the professional qualities of careful, precise, independent work needed to convey ideas to workers who build our factories and to workers who assemble our goods. As well as taking pride in their work, students will recognize the need for fast efficient production – an essential factor in today's workplace.

**ELECTRICITY/ELECTRONICS 10 (4956) ...1 credit**

Prerequisite: None

This course provides an introduction to the basic concepts of electricity and electronics. The following general topics are covered: hand tools and safety, introduction to electricity and electronics, power supplies and sources, basic concepts of electricity, basic principles of AC and DC circuits, Ohm's and Watt's Law, series and parallel circuits, over-current devices and basic house wiring circuits. This course includes theory, labs, projects and booth work. This is a very practical hands-on course.

**MACHINING 10 (4992) .....1 credit**

Prerequisite: None

This course is an introduction to apply metals in the modern technical age utilizing several different metal working procedures. Emphasis is placed on general application allowing for a better understanding and appreciation of metal working techniques. Content modules include safety, measurement and layout, materials (ferrous, non-ferrous, plastics and ceramics), home maintenance with metal working tools, applied math, drafting (project design and blueprint reading), fasteners, brazing, machine tools (drill press, lathe, grinder, etc.), pattern making, casting processes through the use of a foundry and heat treatments of metals.

**MECHANICS, AUTOMOTIVE STUDIES 10 (4957)**

.....1 credit

Prerequisite: None

This program provides an introduction to the automobile, shop safety, basic tool use and the automotive service industry. The various systems of the automobile will be explored with time devoted to basic automobile service and tires.

This class is a prerequisite for all upper level Mechanics, Automotive Studies classes.

**WELDING 10 (4943)** .....1 credit

Prerequisite: None

Welding 10 combines introductory modules in oxy-acetylene, electrical arc and shop safety. Students will use theory and practice to develop their skills.

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**SCIENCE**

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**SCIENCE 10 (4214)** .....1 credit

Prerequisite: Science 9

**This course is mandatory for graduation purposes.**

Science 10 provides an introduction to the areas of Biology, Chemistry, and Physics. Units of study include: Sustainability of Ecosystems; Chemical Reactions; Motion in Our World; Weather Dynamics. These topics will be expanded upon in the sciences taught in grades 11 and 12.

The variety of experiences provided in Science 10 will provide students with many opportunities to explore, analyze, evaluate, synthesize, appreciate, and understand the interrelationships among science, technology, society, and the environment that will affect their personal lives, their careers, and their future. Science 10 will provide students with a firm foundation for further studies in the senior sciences.

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**SOCIAL SCIENCES**

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*An approximate cost of no more than \$10.00 may be charged toward the cost of field trips or activities.*

**In order to graduate you must successfully complete one of the following courses:**

**HISTORY 10 (4306)** .....1 credit

Prerequisite: Social Studies 9

The world today is a complex place; television, newspapers, and radio make us aware of a multitude of world events affecting our lives. People need a background which enables them to have a perspective of

the modern world. Through the study of history, you can obtain the information and skills to create a perspective which will allow you to make intelligent decisions within a democratic society.

The History 10 course examines how our world today has been shaped by the social, political, economic, ideological, and international events from the French Revolution to World War I.

Specifically, this course deals with:

- The thrust of the **French Revolution** and the beginnings of our modern political organization.
- The challenge of the **Industrial Revolution** and growth of our economic infrastructure.
- The struggle of **Ideologies** as modern nations and social structures evolve with the ideas of **nationalism, conservatism, socialism, and liberalism.**
- The legacy of **Imperialism** as western technological societies spread around the world.
- The agony of **World War I** as international relations lead to war.

**NATIVE STUDIES 10 (4309)** .....1 credit

Prerequisite: Social Studies 9

Native Studies 10 concentrates on the positive images of First Nations, Inuit and Métis peoples. It reinforces and complements the beliefs and values of the peoples, and presents materials on a continuum of traditional, historical and contemporary perspectives. This course will be taught through the perspective of an Aboriginal worldview. There is also a comparison of other worldviews, so that the cultural differences can be appreciated.

Some specific units of study are:

- Identity and Worldview of Aboriginal People
- Community and Families of traditional and modern Aboriginal Peoples
- Traditional Governance and modern governance (leadership, politics, residential schools, treaties, status/non-status, etc.)
- Economics (traditional knowledge of the environment, making a living – a traditional and modern view).

**SOCIAL STUDIES 10 (4307)** .....1 credit

Prerequisite: Social Studies 9

The goal of grade 10 Social Studies is to help students understand the basic institutions of industrialized, democratic societies. Social Studies 10 examines a variety of societies around the world providing students with the opportunity to compare these with their Saskatchewan setting.

Specifically this course looks at:

- Some basic issues in decision-making and the use of power in our society.
- Economic decision-making including the role of the market place in making decisions both for the individual and for society. Students consider the benefits and problems associated with the market place using agriculture in Saskatchewan and Indian peoples as examples.
- Ideologies (the way people look at the world) to understand how and why political and economic decisions are made.
- International organizations and international trade to see how these influence the economic well being of developed and developing countries.
- The concepts of interdependence, sovereignty, balance of power and applies these understandings to a study of current international issues.

# LEVEL 20 (Grade 11) COURSE DESCRIPTIONS

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## ARTS EDUCATION

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Students must complete two credits in Practical Applied Arts and/or Arts Education to meet minimum graduation requirements.

**BAND 20 (6526) .....1 credit**

Prerequisite: Band 10 or special permission by meeting with the Band Director.

Band 20 is a continuation of the Band 10 program with emphasis on the development of instrumental and musical skills and group performances. The band will be limited to traditional concert band instruments. Please direct any questions to the Band Director.

**CHORAL 20 (6529) .....1 credit**

Prerequisite: Choral 10 or special permission by meeting with the Choral Director.

Choral 20 is a continuation of the Choral 10 program which allows students to continue to develop their vocal and musical skills. Music reading, sight reading, parts singing, pronunciation skills, and group performance will be emphasized. This class is open to both males and females. Please direct any questions to the Choral Director.

**DRAMA 20 (6525) .....1 credit**

Prerequisite: None

Drama 20 is a continuation of the Drama 10 program with an emphasis on the art of the acting and directing. This course involves a combination of theory and a practical application of technique in the development of a class production. Drama 20 is a challenging course which will require a high degree of self-discipline on a consistent basis. Please direct any questions to the Drama teacher.

**THEATRE ARTS 20 (6958) .....1 credit**

Prerequisite: None

Theatre Arts is an introductory course for students interested in technical theatre. As such, it asks the students to become familiar with the technical elements of the theatre, such as the principles of stage lighting, sound design, set construction, make-up, mask making, wardrobe, prop making, and stage management. This is a “hands-on” course requiring the active involvement of students in creative projects which will begin the process of familiarizing individuals with theatrical technical skills.

**VISUAL ART 20 (6527) .....1 credit**

Prerequisite: None

*The Fine Arts Department strongly recommends that students take Visual Art 10 before enrolling in this class.*

Visual Art courses are thematic in approach. Through the use of various media which may include sculpture, pottery, painting, and drawing, the student will study Ideas and Inspiration, Popular Culture and Mass Media, Cultural Communities of Canada, Differing Perspectives, and Sculptural Form.

The student is required to purchase some materials and equipment.

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## FRENCH IMMERSION

### Immersion française

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**French Immersion Grade 11 students must sign up for all of these courses.**

**FRANCAIS 20 (6020) .....1 credit**

L'étude de la grammaire fonctionnelle, de la phraséologie de la composition et du style continuera. Un bon français oral sera toujours de grande importance.

Les savoirs et les discours seront abordés au sein de trois blocs thématiques sur le journalisme électronique, le roman, la bande dessinée ou le roman – photo.

**HISTOIRE 20 (6312) .....1 credit**

Prerequisite: Histoire 10

This course picks up where Histoire 10 left off and looks historically at the 20<sup>th</sup> century, from World War I to Glasnost in the 90's. The topics covered include: the destruction of the old order, the totalitarian state, national sovereignty and collective security, self determination, the end of the cold war, and global issues.

**MATHEMATIQUES 30A (8407) .....1 credit**

Prerequisite: Math 20

Voir le programme du cours Math 30.

French Immersion students need to select two additional credits in Grade 11 or 12 to meet the requirement of twelve credits for a bilingual high school diploma.

**TECHNOLOGIES DE L'INFORMATION 20 (7214)**

**.....1 credit**

Prerequisite: Technologies de l'information 10.

Computer technology credit will be integrated in Français 20 and will be granted upon completion of the Grade 12 French Immersion program. Using Web 2.0 technologies, students will collaborate and create a number of projects incorporated into the History and French Language courses.

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## LANGUAGES

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**COMMUNICATIONS 20 (6026) .....1 credit**

Prerequisite: English Language Arts A10 or B10

Communications 20 is designed to enhance skill development in oral communications including listening and written communication and reading. Activities centre on both individual and collaborative projects. Persuasive/Humorous/Motivational speeches are constructed and delivered based upon effective models. The advancement of language usage is built on a foundation of practical application. The fundamental goal of this course is to create a confident, positive image through language mastery.

**CREATIVE WRITING 20 (6024) .....1 credit**

Prerequisite: English Language Arts A10 or B10

This course is designed for the serious and mature creative writer. It covers a number of various genres and authors providing a cross section of styles including Shakespeare. Writing assignments are varied. Students will work in groups and independently.

**ENGLISH LANGUAGE ARTS 20 (6017) .....1 credit**

Prerequisite: English Language Arts A10

**This course is mandatory for graduation purposes.**

ELA 20 focuses on increasing student competence and confidence in using language for both functional and aesthetic purposes. This class is organized around the themes of life's journey, reflections, and anticipation.

**FRENCH 20 (6019) .....1 credit**

Prerequisite: French 10

French 20 is a continuation of the French 10 program, emphasizing communication skills.

**MEDIA STUDIES 20 (6025) .....1 credit**

Prerequisite: English Language Arts A10 or B10

Students will appreciate, criticize and analyze various forms of media including television, radio programming, newspapers and magazines. This class is designed to guide students to think critically and analyze what they see and hear in the world around them.

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## MATH

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**Students must take one of the following courses in order to meet graduation requirements.**

**MATH 20 (6403) .....1 credit**

Prerequisite: Math 10

Topics in Math 20 are probability, irrational numbers, consumer mathematics, polynomials and rational expressions, quadratic functions, quadratic equations, angles, polygons, and circles. Students will require a scientific calculator.

This course is a prerequisite for Math A30.

**MODIFIED MATH 21 (6412) .....1 credit**

Prerequisite: Math 10 or Math 11

Students can register for this course upon the recommendation of the Math Department. Signed parent permission is required.

Math 21 deals with many of the same topics as Math 20 but a reduced level of abstraction. In addition, more in-depth consumer content is incorporated.

Math 21 does not provide the requisite skills for Math A30 but does meet the requirements for graduation.

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## PHYSICAL EDUCATION

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**PHYSICAL EDUCATION 20 (6603) .....1 credit**

Prerequisite: None

Appropriate gym shirt and shorts/sweats and a swimsuit and non-marking gym shoes are required.

Some objectives of this course are:

- Continuing physical education as a discipline, with the introduction of the recreational aspect
- Increasing skill and knowledge in the fundamentals of selected activities
- Broadening the knowledge of history, rules, and officiating of selected activities
- Increasing the development of fitness and the understanding of the basic principles of fitness.

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## PRACTICAL AND APPLIED ARTS

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Students must complete two credits in Practical Applied Arts and/or Arts Education to meet minimum graduation requirements. After completing these courses the students may have the opportunity to apply for a work experience apprenticeship project. Students also have the opportunity to get involved with the Provincial Skills Canada competitions. Please talk to the instructors for more details.

**ACCOUNTING 20 (7205) .....1 credit**

Prerequisite: Accounting 10

Supplies: Workbook from Accounting 10  
Lab fee: \$5.00

*Simply Accounting* software is used to complete data entry for small businesses and partnerships. This INTERMEDIATE level program is valuable for the student who wants to develop entry-level employment skills or is considering further study in Accounting after Grade 12. This course will be offered in a modular, self-paced environment. Approximately half of the allocated time will be spent on manual accounting and the other half will be spent on computerized accounting.

**ARCHITECTURE 20 (6948) .....1 credit**  
Prerequisite: Drafting 10

Students will learn the basic preparation required for architectural drawings of wood-framed structures such as single-family dwellings, garages, and cabins. The program includes the study of the interrelated parts of such a structure, common building practices and the building codes as they apply to the drawing.

This is a practical course in the preparation of architectural drawings for wood-frame structures. All drawings will be sketched then drawn using computer-aided drafting.

**CABINET MAKING 20 (6921) .....1 credit**  
Prerequisite: Construction 10  
Fee: Cost of material used for their project.

This course includes the description, use and care of hand and power tools. Emphasis is placed on student projects including drafting design, bill of materials, cost of materials, order of operations, layout, joinery, and finishing methods.

**COMMERCIAL COOKING 20 (6906) .....1 credit**  
Prerequisite: Commercial Cooking 10  
Lab Fee: \$20.00

Please note: To participate in the food lab students must wear closed toed shoes, long pants or skirts, and a t-shirt. Students will not be allowed in the kitchen or food lab without proper attire.

Commercial Cooking 20 is an expansion of the fundamentals and the development of the skills learned in Commercial Cooking 10. Studies emphasize the food service industry, sanitation and safety, tools and equipment, kitchen organization and food preparation, soups and sauces, vegetables and fruits, canapés, hor d'oeuvres, seasonings, starches, grains, pasta, rice, egg cookery and breakfast preparation and introduction to poultry and meats.

Students will also be required to take a sanitation class that is mandatory for all people employed in the food service industry.

Emphasis in this class will be on the development of skills.

**COMMUNICATIONS PRODUCTION TECHNOLOGY 20 (6955) .....1 credit**  
Prerequisite: None

This class will use a variety of software and hardware to produce advanced video projects, including use of live production equipment, chromakey technology and multicamera editing. Students will be individually responsible for video and computer-based projects as well as for their role in larger group projects. While Communications Production Technology 10 is not a prerequisite for this class, CPT 20 builds on, and enhances the skills learned in CPT 10.

**CONSTRUCTION 20 (6980) .....1 credit**  
Prerequisite: Construction 10

This course is an introduction to the construction field as it relates to the carpentry trade. Emphasis is placed in the following areas:

- Blueprint reading
- Concrete design and its application
- Building layout
- Footings
- Foundations
- Form work
- Principles and practices employed in floor and wall framing in accordance with the National Building Code.

The students will build one individual project and one group project.

**COSMETOLOGY 20 (6901) .....1 credit**  
Prerequisite: Cosmetology 10

This course is an expansion of the fundamentals covered in Cosmetology 10 and the development of manipulative skills. Content includes the study of hair and scalp, the introduction of various hairstyling and comb-out techniques as well as diseases and disorders of hair, skin, and nails. The course consists of lectures and demonstrations with emphasis on student planning and developing styles. Various manicure services, including hand and arm massage, as well as basic colour theory and analysis are included.

**ELECTRICAL 20 (7121) .....1 credit**  
Prerequisite: Electricity/Electronics 10

This Electrical course will be an expansion of the Grade 10 course. The following topics will be introduced at this level: conductors, residential wiring methods, residential circuits and services, code book AC theory and circuits, AC generators, DC theory, DC generators, single phase transformers, batteries and small voltage sources, diodes and capacitors, and electronic kits. This course includes theory, labs, projects and booth work. This is a very practical hands-on course.

**ENGINEERINGS 20 (6977) .....1 credit**  
Prerequisite: Drafting 10

The first part of the class is an expansion of fundamentals covered by Drafting 10. Additional topics covered include sectional, auxiliary, one and two point perspective drawings.

All drawings are sketched then drawn using computer aided drafting.

**MACHINING 20 (6992) .....1 credit**  
Prerequisite: Machining 10

Study modules include advanced lathe operations, metallurgy and heat treatment, production casting, investment casting, milling machine operations, blueprint reading, and applied mathematics.

Advance metal design allows the student to pursue a more in-depth study of metal work. Students will start with advanced procedures for lathe operations, ending this module with an assigned project. Additional production methods will be discussed along with drafting and design techniques.

**MECHANICS/AUTOMOTIVE STUDIES A20 (6957) .....1 credit**  
Prerequisite: Mechanics 10

This program focuses on brake systems and repair, steering systems, suspensions, minor body service and cooling systems.

This class is a prerequisite for all upper level Mechanics, Automotive Studies classes.

**MECHANICS/AUTOMOTIVE STUDIES B20 (6987) .....1 credit**  
Prerequisite: Mechanics A20

**The instructor must pre-approve all students registered for this class.**

This class focuses on the automobile electrical system and theory of operation. This class is specifically designed for students wishing to pursue a career in the automobile or related mechanical fields.

This class is a prerequisite for Mechanics and Automotive Studies B30.

**WELDING 20 (6943) .....1 credit**  
Prerequisite: Welding 10

Welding 20 provides students with intermediate knowledge and skills in oxy-acetylene, electrical arc, and mig welding.

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## SCIENCE

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**Students must complete one of the following sciences in order to meet graduation requirements:**

*Students who are choosing science credits in Grades 11 and 12 should understand that there is a strong mathematics component in chemistry, physics and computer science. Past experience has indicated to us that those students who find math challenging may wish to register for biology.*

**BIOLOGY 20 (6211) .....1 credit**  
Prerequisite: Science 10

*\*Dissection is an integral part of biology and necessary for understanding animal systems. All students taking biology are expected to participate in dissections.*

Biology 20 is an introduction to the study of biology. The course places the study of biology into the context of the student's lives, so that they can draw from their experience and apply to their environment what they learn in the classroom. The course begins with an examination of cells and biological theory which then leads into a second unit focusing on ecosystems and the various populations found in them.

The third major unit of biology 20 examines the principles of biological classification, the roles of the various organisms from the major kingdoms, and the diversity of plants and animals on the planet. The fourth unit looks at Saskatchewan, agriculture, soils, and the biological process associated with plant systems. Biology 20 students will also participate in science challenge activities or independent research projects.

**CHEMISTRY 20 (6212) .....1 credit**  
Prerequisite: Science 10

Chemistry 20 is a broad introduction to the science of chemistry. Students will study chemistry in a context which emphasizes the importance of chemistry in society and its historical development as a branch of natural science. Students will be exposed to a problem-solving approach with considerable experience being provided in laboratory work and research projects.

The major topics included in the Chemistry 20 course are: Atomic Theory, the Periodic Table, Atoms and Elements, Molecules and Compounds, Chemical Reactions, Chemical Calculations, and the Behaviour of Gases. If

time allows, students may also investigate topics in Organic Chemistry.

Proper techniques and attitudes to enhance skill and safety in the laboratory will be emphasized.

\*Strong math skills would be an asset.

**COMPUTER SCIENCE 20 (6702) .....1 credit**

Prerequisite: Strong math background.

This course in **programming** is designed for Grade 10 or 11 students wishing to learn about the use of computers for problem solving. If you have average or above average standing in a regular math program, you would benefit from the challenge of one of industry's leading employment opportunities – computer programming.

Microsoft's **Visual Basic** will be used to cover the following topics: general problem solving skills, computer input/output, branching, looping, numeric functions, string functions, web page design and use of the internet for research. No prior programming experience is required.

**PHYSICS 20 (6213) .....1 credit**

Prerequisite: Science 10

Physics is, in essence, the study of how anything and everything works. Its scope ranges from the study of the tiniest particles to the study of the origin and evolution of the universe.

Physics 20 begins with an examination of the physics of everyday things. In this unit, students will be introduced to the study of physics as a branch of natural science and the role of physics in everyday life. Essential skills in measurement and data analysis will be developed as well.

The next unit deals with the study of familiar forms of wave motion such as sound and water waves. Next, optical phenomena such as reflection, refraction, dispersion, diffraction, and interference and polarization of light are examined. The last of the major units deals with topics in the study of heat such as temperature, specific heat capacity, latent heat, and thermodynamics.

Laboratory exercises and project work will be featured throughout the course.

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**SOCIAL SCIENCE**

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*An approximate cost of not more than \$10.00 may be charged towards the cost of field trips or activities.*

**Students must complete one of the following, in order to meet graduation requirements.**

**HISTORY 20 (6306) .....1 credit**

Prerequisite: Social Studies 10, History 10 or Native Studies 10

War, independence movements, overpopulation, new political movements – these are just a few of the many challenges facing us in this rapidly changing world. In order to cope with and understand this new era, it is essential to know where we have come from in order to make knowledgeable decisions on these and other issues. History 20 examines the 20<sup>th</sup> century and the events that have helped to shape our world and make us who we are. World Wars I and II, Nazi Germany, Russia, China and Communism, the Cold War; the developing world, and environmental challenges. By studying these historical events with problem solving, analytical thinking and reasoning skills you can develop a greater appreciation for the global challenges and opportunities facing us today.

**NATIVE STUDIES 20 (6309) .....1 credit**

Prerequisite: Native Studies 10, Social Studies 10 or History 10

This course is designed to provide students with awareness of aboriginal peoples' political issues in Canada as well as in other countries. A few of the focal points of the course will be:

- Indigenous Peoples' Rights
- Repression of Rights (Economic, Political, Cultural)
- Struggle for Self-determination
- Control over Internal Affairs
- Relationships with Mainstream Society
- Methods for Resolving Differences
- Survival of Indigenous People
- Historical Perspectives of Indigenous People.

This course will explore the sources, reasons for and nature of Indigenous peoples' political issues. It will include Indigenous groups from such countries as Nicaragua, South Africa, Chile, El Salvador, and other countries with similar political problems.

**PSYCHOLOGY 20 (6340) .....1 credit**

Prerequisite: None

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

**SOCIAL STUDIES 20 (6307) .....1 credit**

Prerequisite: Social Studies 10, History 10 or Native Studies 10

The goal of Social Studies 20 is to help students understand the major issues facing humanity at the end of the 20<sup>th</sup> century and the start of the 21<sup>st</sup> century. Social Studies 20 focuses on five major issues: what obligations (in the form of human rights) individuals and groups should collectively assume for each other, an examination of the forces which contribute to the rate of growth of population, the social ramifications of population size, an examination of the conflict between protecting the habitat and satisfying human needs, the conflict between the rights of those who produce wealth and those who have need for it, and finally, the issue of finding social global security without sacrificing individual and national autonomy.

Major skills include conflict resolution, analytical thinking and reasoning skills. The emphasis is on contemporary issues.

# LEVEL 30 (Grade 12) COURSE DESCRIPTIONS

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## ARTS EDUCATION

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Students must complete two credits in Practical Applied Arts and/or Arts Education to meet minimum graduation requirements.

**BAND 30 (8526) .....1 credit**

Prerequisite: Band 20 or special permission by meeting with the Band Director.

Band 30 is a continuation of the Band 20 program with emphasis on the development of instrumental and musical skills and group performance. The band will be limited to traditional concert band instruments. Please direct any questions to the Band Director.

**CHORAL 30 (8529) .....1 credit**

Prerequisite: Choral 20 or special permission by meeting with the Choral Director.

Choral 30 is a continuation of the Choral 20 program in which students continue to develop their vocal and musical skills. Music reading, sight reading, parts singing, pronunciation skills, and group performance will be emphasized. This class is open to both males and females. Please direct any questions to the Choral Director.

**DRAMA 30 (8525) .....1 credit**

Prerequisite: None

Students use one-act and full length plays to explore the total theatrical production process of selecting plays, casting, directing, acting, set, light, sound design and show promotions. The role of the director will be fully examined in the context of preparing an actual production. Students will prepare a portfolio of dramatic pieces to expand their acting repertoire. Please direct any questions to the Drama teacher.

**GRAPHIC ARTS 30 (8983) .....1 credit**

Prerequisite: None

The graphic arts industry has a huge impact in our society.

It is difficult to imagine our world without billboard ads, promotional posters, CD covers, colourful packaging, screen prints on T-shirts, and a host of other similar items. Someone needs to design and create these products – the graphic artist!

Graphic Arts 30 will develop technical skills and designing abilities that will be useful in current industry practice. Students will become familiar with career opportunities in this industry.

Students will learn to use digital photography, computer based photo-editing and drawing software. They will apply these skills, along with design principles, to create a number of projects similar to the ones mentioned above.

**THEATRE ARTS 30 (8958) .....1 credit**

Prerequisite: Theatre Arts 20

Theatre Arts 30 provides students with an opportunity to further investigate the role of design in technical theatre. The interrelationship between the Director, Productions Manager, Stage Manager and House Manager will be examined, providing students with an opportunity to work in these positions. This course provides students with an opportunity to specialize somewhat in a particular area of technical theatre. The emphasis is to enhance skills through the active involvement in the course projects.

**VISUAL ART 30 (8527) .....1 credit**

*The Fine Arts Department strongly recommends that students take Visual Art 10 before enrolling in this class.*

Prerequisite: None

Visual Art courses are thematic in approach. Through the use of various media which may include drawing, painting, clay and digital art, the student will study Change, Visual Art in Canada, Global Explorations, Social Issues, and Personal Identity and Independent Study.

The student is required to purchase some materials and equipment.

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## FRENCH IMMERSION

### Immersion française

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**French Immersion students are required to take both of these credits in their Grade 12 year.**

**SCIENCES SOCIALE 30 (8324) .....1 credit**

Prerequisite: History 20, Social Studies 20 or Native Studies 20

Ce cours présente une exploration du Canada et de la société canadienne en cinq volets: l'arrivée des Européens et le contact avec les peuples autochtones, l'économie canadienne, le concept de souveraineté canadienne, la culture et le multiculturalisme et le gouvernement. L'apprentissage se produira dans le cadre de projets de longueur variée. L'instruction sera délivrée en français.

**FRANCAIS 30 (8020) .....1 credit**

Prerequisite: Français 20

Lé cours vise à continuer l'approfondissement du français écrit et oral. Les savoirs et les discours seront abordés au sein de trois blocs thématiques sur le théâtre, le roman et la poésie.

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## LANGUAGES

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### **ENGLISH LANGUAGE ARTS A30 (8017) ....1 credit**

Prerequisite: English Language Arts 20

**This course is mandatory for graduation purposes.**

ELA A30 encourages students to refine their communication skills and to broaden their knowledge of language. ELA A30 is organized around themes that focus on Canadian literature and society and includes the units: 1) Canada – Diverse Landscapes and People, and 2) Canada – Diverse Canadian Voices.

### **ENGLISH LANGUAGE ARTS B30 (8018) ....1 credit**

Prerequisite: English Language Arts B10

**This course is mandatory for graduation purposes.**

ELA B30 encourages students to refine their communication skills and to broaden their knowledge of language. ELA B30 is an issue-oriented course that is organized around human concerns in a global society by using world literature in a comparative manner. Issue-based units in this curriculum are: 1) The Human Condition – In Search of Self, and 2) The Social Experience – Beyond Personal Goals.

### **FRENCH 30 (8019) .....1 credit**

Prerequisite: French 20

French 30 is a continuation of the French 20 program, emphasizing communication skills.

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## MATH

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### **MATH A30 (8404) .....1 credit**

Prerequisite: Math 20

Math A30 is intended as a university entrance course for most colleges. Topics in Math A30 are permutations and combinations, data analysis, polynomials and rational expressions, exponents and radicals, relations and functions, systems of linear equations, and angles and polygons. A scientific calculator is required. Math A30 is a prerequisite for Math B30 and Math C30.

**Math B30 and Math C30** are for students who will enter post-secondary education in areas of study with very large mathematical components. Please be sure to check with your college of choice to ensure you require these areas.

### **MATH B30 (8405) .....1 credit**

Prerequisite: Math A30

Topics include probability, data analysis, matrices, complex numbers, quadratic equations, polynomial functions, exponential and logarithmic functions. A

scientific calculator is required. Math B30 may be taken concurrently with Math C30.

### **MATH C30 (8406) .....1 credit**

Prerequisite: Math B30

Topics include mathematical proof, conic sections, circular functions, application of trigonometry, trigonometric identities, and trigonometric equations. A scientific calculator is required. Math C30 may be taken concurrently with Math B30.

### **CALCULUS 30 (8421) .....1 credit**

Prerequisite: Math B30 and Math C30

Students may be taking Calculus concurrently with Math C30. The purpose of this course is to acquaint students with the concepts of a first year university level calculus course. Students will then be introduced to the concepts of differential calculus. Emphasis will be placed on the rules and applications of differentiation. Applications include: curve sketching, related rate problems, maximum/minimum problems and transcendental functions. The remainder of the course deals with integral calculus. If you would like further information about this course, please contact the Mathematics Department Coordinator.

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## PHYSICAL EDUCATION

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**Students may select only one of the following:**

### **PHYSICAL EDUCATION 30 (8603) .....1 credit**

Prerequisite: None

T-shirt and appropriate gym shorts/sweats and swimsuit and non-marking footwear are required.

The objectives of this course are to:

- Introduce students to a wide variety of leisure and lifetime activities
- Develop a positive attitude toward physical activity and a healthy lifestyle
- Provide students with the opportunity to develop an optimal level of fitness
- Develop and refine motor skills
- Introduce students to the concept of “volunteerism”.

### **PERSONAL TRAINING AND FITNESS 30 (8603)**

.....1 credit

Prerequisite: None

This Physical Education course is designed to provide students with the knowledge and skills needed to design and implement their own physical fitness program. Students will have the opportunity to evaluate, improve and monitor their own level of fitness. Throughout the course, students will be involved in a wide variety of fitness orientated activities.

This is a rigorous course and is designed for those students who want to get physically fit but may not have the time or tools to do so.

This class is a 30 level credit; Physical Education 30 may not be taken for credit if you receive a credit for this class or vice versa. This class may be audited.

**KINESIOLOGY 30 (8609) .....1 credit**

This course would be an excellent choice for those students who have an interest or plan to pursue a career in kinesiology, coaching, or many of the other health related fields of study: (medicine, nursing, physiotherapy, massage therapy, etc).

Areas of study include:

- Eating for Performance
- Role of the Coach
- Sports Medicine
- Psychology of Sport
- Exercise Physiology
- Performance Enhancing Drugs/Supplements
- Independent Learning/Work Experience.

Students will receive their certificate for the National Coaching Certification Program “Introduction To Coaching” and basic C.P.R. A small fee may be charged for these certifications.

This course will better prepare students to act as coaches and sports/health leaders within their community.

Related fields: Personal Trainer, Dietician, Nutritionist, Holistic Practitioner, Coach-school or community, Doctor, Team Trainer, Physical Education Teacher, Exercise Therapist, Physical Therapist, Paramedic/EMT, Team Trainer, Sports Psychologist, Occupational Therapy and Teacher.

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**PRACTICAL AND APPLIED ARTS**

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**Students must complete two credits in Practical Applied Arts and/or Arts Education to meet minimum graduation requirements.** After completing these courses the students may have the opportunity to apply for a work experience apprenticeship project. Students also have the opportunity to get involved with the Provincial Skills Canada competitions. Please talk to the instructors for more details.

**ACCOUNTING 30 (9205) .....1 credit**

Prerequisite: Accounting 20

Supplies: Workbook from Accounting 10

Lab Fee: \$5.00

This ADVANCED program uses *Simply Accounting* software. Learn how to design a set of accounting books from scratch, enter transactions, print as well as evaluate

performance reports. If you want to enhance your accounting skills for employment purposes after graduation or pursue Accounting at the post-secondary level, this program will be very valuable to you. This course will be offered in a modular, self-paced environment. Approximately half of the allocated time will be spent on manual accounting and the other half will be spent on computerized accounting.

**ARCHITECTURE 30 (8047) .....1 credit**

Prerequisite: Architecture 20

This class deals in the preparation of a “set” of detailed architectural drawings for residential construction. Using the information and skills obtained in Architecture 20 the students will be expected to develop a complete set of drawings for a house of their choice.

All drawings will be sketched then drawn using computer aided drafting.

**CABINET MAKING 30 (8921) .....1 credit**

Prerequisite: Cabinet Making 20

Fee: Cost of material used for their project.

Students will construct a project from a scaled drawing of their own design. This course is an advanced class of Cabinet Making 20.

**CHRISTIAN ETHICS 30 (8804) .....1 credit**

Prerequisite: None

All students, whether in Grade 10, 11 or 12 are welcome to take this subject.

Part of the human experience is to search for meaning. This course will enable students to examine their life through a Christian perspective, with an emphasis on unity and understanding of the various traditions of Christian denominations. The various world religions will be explored as well. The overall goals of this course will be for students to grow in faith, love and hope, to enable students to better understand Christian beliefs, to put faith into action in service within the community, to encourage reflection of teachings in making decisions throughout life, to find expression for faith in private, public and communal forms, and to develop a respect for all people as created in the image of God.

**COMMERCIAL COOKING 30 (8906) .....1 credit**

Prerequisite: Commercial Cooking 20

Lab Fee: \$20.00

Please note: To participate in the food lab students must wear close-toed shoes, long pants or skirts, and a t-shirt. Students will not be allowed in the kitchen or food lab without proper attire.

Commercial Cooking 30 is an extension of Commercial Cooking 20 with a study in beef, poultry and seafood.

Studies emphasize sanitation and safety (WHMIS), equipment and measurement, beef and pork, poultry, fish and shellfish, sauces, presentation, bakery, cake decoration, yeast breads, starches, grains and pasta and job opportunities in the food service industry.

**COMMUNICATION PRODUCTION TECHNOLOGY (CPT) 30 (8955) .....1 credit**

Prerequisite: None- Students should have experience working with Adobe Creative Suite 3.

CPT 30 is a mainly project-based course, requiring a strong work ethic, organizational and time management skills, and the technical multimedia production skills learned in CPT 10 and 20 classes. This course provides students with opportunities to carry out one or more advanced production projects in consultation with the instructor.

Students are required to have basic and intermediate competencies with the various production technologies.

**CONSTRUCTION 30 (8980) .....1 credit**

Prerequisite: Construction 20

No open-toed footwear is allowed in the shops.

Construction 30 is a continuation of wood-frame construction. Emphasis is placed in the following areas: layout and fabrication of roof systems, roof covering, cornice construction, exterior finishing, insulation, vapour barrier and ventilation, interior finishing, windows and doors and stair construction.

Students wishing to take this course should talk to the instructor before applying. This course works well in conjunction with the Work Experience class.

**COSMETOLOGY 30 (8901) .....1 credit**

Prerequisite: Cosmetology 20

This course is a continuation of Cosmetology 20 with advanced study in manicuring, hair styling, special shampoos and rinses, scalp treatments and skin disorders as well as the basics involved in salon management.

This program includes skill development in all aspects of Cosmetology 20. Special facials, make-up application, hair removal, an introduction to hair shaping theory and performing a basic hair cut. Principles and practices of salon management will be studied with planned visits to local salons. Students will participate in the *Provincial Styling and Make-Up Competitions*.

**ELECTRICAL A30 (9121) .....1 credit**

Prerequisite: Electrical 20

The Electrical course is a continuation of the Grade 11 course. The following topics will be introduced at this level: appliances, DC motors, AC motors, motor starters and controllers, residential wiring, commercial wiring

methods, service calculations, career exploration, lighting and electronic kits. This course includes theory, labs, projects and booth work. This is a very practical hands-on course. Students have the opportunity to get involved with the Skills Canada competitions.

**ELECTRICAL B30 (9122) .....1 credit**

Prerequisite: Electrical A30

Students wishing to become an electrician should take this class. It is designed for the students to work independently while preparing themselves to challenge the Level One Electrical Apprenticeship exam.

The students wishing to take this course must talk to the instructor before applying. This course works well in conjunction with the Apprenticeship class.

**ENGINEERING 30 (8977) .....1 credit**

Prerequisite: Engineering 20

The first part of the class is an extension of the fundamentals covered in Drafting 10 and Engineering 20. Additional subjects covered include revolutions, fastening devices, intersection and development.

All drawings are sketched then drawn using computer aided drafting.

**MACHINING 30 (8992) .....1 credit**

Prerequisite: Advanced Metal Design 20

Study modules include advanced lathe, advanced lathe project, advanced milling machine, advanced milling machine project, metallurgy and heat treatment, precision grinders, and careers in machining.

**MECHANICS A30 (8957) .....1 credit**

Prerequisite: Mechanics A20

This class focuses on engine overhaul and fuel systems and is the prerequisite for Mechanics Automotive Studies B30.

**MECHANICS B30 (8987) .....1 credit**

Prerequisite: Mechanics A30 & B20

All students registering for this class must be pre-approved by the instructor.

This class focuses on clutches, transmissions, drivelines, and differentials. To maintain a good deal of shop time, some theory may be taught through independent learning studies.

**WELDING A30 (8943) .....1 credit**

Prerequisite: Welding 20

The purpose of the welding courses offered at Carlton is not just preparation for a possible career in welding but to give students the experience of what it is like to work in a welding shop so they can make an informed decision regarding career choice. Therefore, since cooperation and

personal responsibility are imperative in the real world to hold onto a job, students are expected to act in a safe and mature manner in the shop at all times.

Welding A30 provides students the opportunity to develop advanced knowledge and skills in electrical arc and mig welding.

**WELDING B30 (8937) .....1 credit**

Prerequisite: Welding A30

A letter of approval is needed from the instructor.

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. Before taking this class you will need to talk with the instructor. This course provides students with the opportunity to enhance the knowledge and perfect the skills developed in the earlier grades. The course includes 50% theory and 50% shop.

This class is offered as an individual course and will be taken in conjunction with Apprenticeship 30.

**CAREER AND WORK EXPLORATION A30 (8994) & B30 (8995) .....2 credits**

Prerequisite: None

These courses are combined into a 2-credit course which is offered to all students interested in learning about experiencing the world of work. It allows students the opportunity to prepare for the successful transition to the work world.

The program aims to empower students to acquire the awareness, knowledge, skills, and attitudes necessary to understand and positively influence aspects of their own career and/or post-secondary development. Classroom instruction is blended with experience gained from one or more job placements in the community to expand the student's occupational awareness and to assist them in making realistic career, education, and lifestyle decisions. Students learn how to be successful employees rather than train for a *specific* job. Although students have a great deal of flexibility in choosing their desired job placements, there is no guarantee that their first choices will always be available.

The students will work approximately two hours a day, four days a week at their jobs.

**Students are responsible for arranging their own transportation to and from their jobs.**

The following list contains work placements students have enjoyed – but **this list is constantly growing and evolving as new employers are always welcome:**

- Hotel/restaurant/hospitality
- Health care – hospital, nursing, home, dental, ambulance, optical, pharmacy, physiotherapy
- Office/clerical/computer

- Trades – electrical, mechanics, welding, carpentry
- Retail – clothing, flowers, music, video, sporting goods, building supplies, food
- Automotive – mechanics, autobody, detailing, delivery, parts, R.V.'s
- Animals – veterinary, SPCA, kennels
- Personal care – hair salons, tanning salons
- Media – newspaper, radio, community television (Shaw Cable)
- Child Development – teacher assistants, day care centres, special needs care
- Artistic – teaching arts and crafts, photography, theatre
- Other – travel, lawyer, architect, stereo installation, gym, airport, highways, banking.

**APPRENTICESHIP A30 (8994) & B30 (8995)**

**.....2 credits**

Prerequisite: The student should be at the 30 level in one of the trade areas. The student will also need a letter of reference from the PAA teacher in the area they wish to work in.

This course is designed for grade 12 students who are interested in a career in one of the trade areas at Carlton and who want to challenge the Level One apprenticeship exam.

This course is designed for grade 12 students who are interested in a career in one of the trade areas at Carlton and who want to challenge the Level One apprenticeship exam.

This course allows the student to go on a work placement in the afternoon of their Grade 12 year. The student will need to arrange their timetable so this may be accommodated.

There is an option that would allow the student to be in a work placement the whole second semester, if their timetable allows. The student should be communicating with their instructor who is working in that trade area.

**What is apprenticeship?**

Apprenticeship is a system of training and certification in a trade. Based on the needs of industry, apprenticeship involves a formal agreement between an employee who wants to learn a skill, and an employer who needs a skilled worker. The apprenticeship training usually takes two to five years, depending on the trade. This training combines on-the-job training with technical training.

**What is the level one exam?**

The student will challenge the Level One exam in one of the following areas: construction, commercial cooking, cosmetology, electrical, automotive, machining and welding. A pass mark of 70% is required for advanced standing in that area. If that mark is reached, the student will not have to go to school until Level Two. This

advanced standing will be good for two years after graduation if the student has registered into an apprenticeship program.

For more information about apprenticeships and this program contact Mr. Elliott.

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## SCIENCE

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Students who are choosing science credits in Grades 11 & 12 should understand that there is a strong mathematics component in chemistry, physics and computer science. Past experience has indicated to us that those students who find math challenging may wish to register for biology.

### **BIOLOGY 30 (8211) .....1 credit**

Prerequisite: Science 10 (Chemistry 20 is encouraged)  
\*Dissection is an integral part of biology and necessary for understanding animal system. All students taking biology are expected to participate in dissections.

Biology 30 is an advanced course in biology. Students will study topics within the Chemical Basis of Life, Cell Structure and Function, Genetics, Animal Systems, Human Physiology and Evolution.

The course will focus on a laboratory supported and problem-solving approach to the study of these topics. Practical application of biological knowledge in everyday life will be emphasized. Research projects will be included in the course.

NOTE: Biology 20 and Chemistry 20 would be definite assets for Biology 30.

### **CHEMISTRY 30 (8212) .....1 credit**

Prerequisite: Chemistry 20

Chemistry 30 is an advanced course in chemistry utilizing concepts from Chemistry 20 to explain more advanced topics including: a review of Basic Principles, Solubility and Solutions, Energy Changes in Chemical Reactions, Reaction Kinetics, Equilibrium and Acid-Base Equilibria.

Laboratory work is an important component of the Chemistry 30 course and involves more advanced techniques and procedures. Students may be expected to carry out a major independent research project and may be provided opportunities to participate in case studies.

NOTE: A strong foundation in Chemistry 20 is essential for success in this course.

### **PHYSICS 30 (8213) .....1 credit**

Prerequisite: Physics 20 of Mathematics 30A

A rapidly evolving understanding of the universe has, as one of its foundation stances, the subjects of kinematics

and dynamics. They attack the general questions of “Why do objects, ranging in size from electrons to galaxies, move as they do?”

If time allows, students may investigate further topics in the Applications of Kinematics and Dynamics, Electromagnetism, and Modern Physics.

The second major unit on Mechanical Energy deals with topics of work, power, kinetic energy, and gravitational-potential energy. Next, we deal with electricity, its applications, current and potential difference, electric circuits, electric power and energy. The last of the foundational units investigates Nuclear Physics. Students will study natural radioactivity, nuclear fission, and nuclear reactors.

Students of Physics 30 will experience a variety of exposures to laboratory work, the mathematical manipulation of data, and the lives and accomplishments of famous physicists and mathematicians.

NOTE: It is strongly recommended that students selecting Physics 30 have a credit in Physics 20.

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## SOCIAL SCIENCE

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**Students must choose one of History 30, Native Studies 30 or Social Studies 30 in order to meet minimum graduation requirements.**

An approximate cost of \$10.00 may be charged toward the cost of field trips or activities.

### **HISTORY 30 (8306) .....1 credit**

Prerequisite: It is recommended that students complete a 10 and 20 level of Social Science, and be in their final year of high school to enroll in this course.

Canada – our land, our people, our history. As students prepare to leave high school and enter the broader Canadian society, the choices and pressures placed upon them will increase. To allow them to understand what Canada is all about and where as a nation it is going, this course, through the study of Canadian history, will provide them with the framework to make informed decisions about their country and its future. To achieve this objective, the course looks at the history of Canada through an examination of its people and their origins, the political and economic developments of the 19<sup>th</sup> and 20<sup>th</sup> Centuries, the international influences, and the development of our modern society during the late 1900’s.

### **NATIVE STUDIES 30 (8321) .....1 credit**

Prerequisite: It is recommended that students complete a 10 and 20 level Social Science, and be in their final year of high school to enroll in this course.

Native Studies 30 deals with Canadian contemporary issues related to Canada's Aboriginal people. This class will enable all students to better appreciate the contributions made by Aboriginal peoples to the development of Canada and contemporary Canadian society.

Topics deals with include:

- Aboriginal treaty rights
- Land entitlements and land claims
- Governance
- Economic development
- Social development.

**SOCIAL STUDIES 30 (8307) .....1 credit**

Prerequisite: It is recommended that students complete a 10 and 20 level Social Science, and be in their final year of high school to enroll in this course.

The Social Studies 30 course focuses on the study of modern-day Canada, and traces our nation's development in areas of economics, governance, multiculturalism and international relations. Significant historical occurrences are examined as data for evaluation of our current public policy directions. General concepts include change, standard of living, cultural interaction and diversity, constitutionality, and globalization. Key skills to be developed include decision-making, problem solving, conflict resolution and dialogical thinking. While no prerequisite exists, students choosing Social Studies 30 are strongly advised to have successfully completed Social Studies 20.

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**SOCIAL SCIENCE 30 ELECTIVES**

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**LAW 30 (8339) .....1 credit**

This course is an elective and does not fulfill the Saskatchewan Learning 30 Social Science level requirement for graduation.

Prerequisite: None

Students will study the following units:

- Unit I – Making Laws
- Unit II – History of Law
- Unit III – Criminal Law
- Unit IV – Civil Law
- Unit V – Family Law.

Interesting topics include: going to court, sexual assault, assault, battery, and automobile negligence. Mock trials, role plays and field-trips are part of this course.

**SPECIAL PROJECT 10, 20, 30**

The Special Project is an optional way of achieving a credit in an area which is of interest to you. It provides you with an opportunity to:

**PSYCHOLOGY 30 (8340) .....1 credit**  
 Psychology 30 is the study of human development across the spans of human life. Students will learn about human growth and changes in behaviour associated with age, including the various stages of development from conception to old age, and apply such knowledge to investigate issues in their everyday lives.

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**INDEPENDENT STUDIES OPTIONS**

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**CARLTON EXTENSION CAMPUS (CEC)**

Carlton offers a take-home study program referred to as Carlton Extension Campus (CEC). This is a modularized program that allows students to study off-campus. A wide variety of grade 10, 11 and 12 classes are offered. The CEC classes offered are credit courses that advance the student toward graduation. This program is suitable for students who, for whatever reason, are unable to attend our regular in-school classes with consistency.

Though CEC work is designed to be done independently, teachers are available in the CEC classroom – located in the library – to assist students anytime during the school day. Carlton students who are only working on CEC courses may only be in the building to pick up or drop off assignments, or to access the CEC teachers. CEC students may not be in the school's hallways at any time. CEC students may be assigned specific times when they have access to the school.

The following classes are offered through CEC:

ELA A10	Biology 20	Economics 30
ELA B10	Biology 30	Entrepreneurship 30
ELA 20	Chemistry 20	Food Studies 30
ELA A30	Chemistry 30	Housing 30
ELA B30	Physics 20	Life Transitions 30
	Physics 30	
	Science 10	
Math 10		
Math 11		
Math 20	Native Studies 10	
Math 21	Social Studies 10	
Math A30	Social Studies 30	
Math B30		
Math C30		
General Math 30		

- Work within the guidelines and standards set by Saskatchewan Learning
- Plan and take control of your learning outside the school setting.

This option does not give you credit for the work you have done in the past, but it does allow you to build on

those experiences as you plan your next 100 hours of learning.

Students are required to submit a clearly planned proposal to Mrs. Kilmer for approval. The proposal shall include:

- A description or outline of the project
- The number of hours of work expected to complete the project (minimum 100 hours)
- A method by which the project will be carried out
- A description of the expected results
- The evaluation procedure jointly developed by student and supervisory teacher
- Expected completion date
- Name of supervising teacher.

### **WORK EXPLORATION (Optional Independent Studies)**

Two credits available

In this changing world there are many different career options that students may wish to explore. Finding the time to discover these different options and opportunities while taking a full load of classes has become a challenge for many students. The opportunity to take a class in career exploration may not be an option for these students. So, to assist students to receive this experience, we have developed a course that would allow students to have the opportunity to explore the many different career options.

The course is flexible enough to allow students to explore different career options on their own time, while at the same time completing all their other course requirements to graduate.

This course is designed as a self-paced course, allowing for flexibility to meet the students' individual needs. The students will be expected to meet all the requirements of the course before they graduate from high school to receive a credit in this Work Exploration course.

Please note: This course is not on the registration sheet. To register for this course, you will need to contact Student Services personally.

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## **SPECIALIZED PROGRAMMING**

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### **ALTERNATE EDUCATION**

A 3 year program geared for students who find the regular programming difficult. It prepares students for entry-level jobs and independent living after high school. Admission through the Special Education Consultant at the Board Office.

### **CARLTON CONNECTION**

This is an academic program for students in Grades 7 to 10. It is geared towards students of average or above average ability who have a learning disability in one of the core academic areas – reading, writing or

mathematics. The learning disability must be the main reason for poor academic performance. Students in this program learn strategies that will help them succeed in regular programming through Grade 12 and throughout post-secondary training. Candidates are referred by classroom and educational support teachers from Saskatchewan Rivers and the Prince Albert Catholic School systems. Selection is made by an Admission and Review Committee.

### **LEARNING ASSISTANCE CENTRE (LAC)**

Provides various learning assistance including study, essay-writing assistance, various subject support, oral and scribed tests. Students are referred by classroom teachers for oral/scribed tests. Students access a seat in LAC by administration referral.

### **LIFE EXPERIENCE**

For students who find regular or modified programs too challenging. This class educates towards independent living skills. Admission is gained through the Special Education Consultant at the Board Office.

### **NORTHGATE**

Carlton offers a block timetable program called Northgate. We schedule four blocks – referred to as quads – throughout the school year offering a variety of two-hour classes. The classes offered in Northgate follow the Saskatchewan Provincial Curriculum and have the same objectives and content as semester classes. Students may enroll in the Northgate program directly or may be referred to the program by Student Services.

### **TRANSITIONS**

Transitions is a skills recovery program for students who are old enough to have completed grade nine but have not. The program is designed to prepare students for either advancement into grade 10 or for employment. Students are enrolled through referrals from associate schools.

### **GATEWAY 9**

Gateway 9 provides a transition to high school for students who come from alternative programs in their elementary schools. Upon completion of Gateway 9, students may move into Alternative Education, Northgate, or semester classes.