PORTAGE COLLEGIATE INSTITUTE
INFORMATION GUIDE

Welcome to Portage Collegiate Institute! We are a semestered high school offering a wide range of courses for Grade 9 to Grade 12 students. As a semestered high school we divide the school year into two semesters. The first semester runs from September to January with final exams the last week of January. The second semester runs from February to June.

Under the **semester system** students take fewer courses in a term but complete them in the shorter time frame. Some students are able to complete their required courses for graduation by January. This allows students the opportunity to get an early start on work or post secondary courses. Most post secondary institutions follow a semester system and our graduates make the transition without difficulty.

PROGRAMS

Students have the choice of enrolling in the **academic** or **technical** program at PCI. We offer a wide range of academic courses preparing students for post secondary programs and the job market. Our teachers have piloted new curricula in English, mathematics, science and computer technology to provide our students with the most up to date skills in these areas. Our computer labs and library are networked and have Internet access available for instruction and research. We also have the **Advanced Placement** program at the Grade 11 and 12 levels in English, Calculus, Psychology, History and Chemistry.

Our Technical programs include **Automotive Technology, Building Construction, Hairstyling and Marketing.** These programs prepare students for apprenticeship and a career in the industry.

EDUCATIONAL SUPPORT

Our **Resource** area has teacher assistants who are there to help students in course work. We also assist students with study skills. We work closely with the teachers to adapt programs as necessary. Our resource area is also a good quiet place to study or work on projects. We have computer curriculum support used to assist those in need of upgrading skills or as an adaptation in current courses.

Self-directed learning is a program designed to give students an opportunity to work individually on curriculum courses. There are several different factors that need to be considered when deciding if SDL is a program that suits your academic and/or environmental needs:

- Withdrawing from a course and unable to complete the credit
- Repeating the subject more than once and failing to obtain the credit
- Moving from another school in mid-term
- Experiencing an illness, injury, medical condition, or other circumstances that prevents regular class attendance

Counsellors are available to assist students in making course choices or who are experiencing academic difficulties. Our **Career Centre** is an excellent place for information and career search opportunities.

Student involvement is important at Portage Collegiate. We have an experienced and enthusiastic staff willing to support students in a wide range of classroom or co-curricular activities. School spirit is strong and we have great participation on school teams, organizations, and events. We look forward to a great year at PCI!

SCHOOL MISSION STATEMENT

Our mission is to provide equal opportunities for all students to achieve their full potential in a safe environment where they can develop skills necessary to make a successful transition into society as responsible citizens.

We Believe

- In Success For All Students
- In Respect For Ourselves, Others And All Property
- In Celebrating The Diversity Of Our Students And Staff
- In Earning Respect By Giving It
- In Taking Ownership For Our Actions

FOR THE PURPOSES OF STUDENT IDENTIFICATION AND SCHOOL SAFETY AND SECURITY, ALL STUDENTS WILL BE REQUIRED TO HAVE A SCHOOL PHOTOGRAPH TAKEN.

GRADUATION REQUIREMENTS

ACADEMIC
Minimum Graduation Requirements

Minimum graduation requirements DO NOT ensure acceptance into university or community college. ALL students pursuing post secondary education need to check entrance requirements. **It is ultimately the responsibility of the students to ensure he/she meets the graduation requirements.**

COMPULSORY CREDITS

Grade 9	Grade 10	Grade 11	Grade 12
English	English	English	English
Mathematics	Mathematics	Mathematics	Mathematics
Phys Ed	Phys Ed	History	Phys Ed
Science	Science	Phys Ed	*
Social Studies	Geography		

Note: 30 credits are required for graduation in 2010.

As part of the first 30 credits:

1. Up to 12 School Initiated Courses and Student Initiated Projects can be used as part of the 30 credits.
2. In addition to English, Math and Phys Ed in grade 12, students must have at least one other option at the Grade 12 level.

TECHNOLOGY
Vocational and Business Education
Minimum Graduation Requirements

Minimum graduation requirements DO NOT ensure acceptance into university or community college. ALL students pursuing post secondary education need to check entrance requirements. **It is ultimately the responsibility of the student to ensure he/she meets the graduation requirements.**

COMPULSORY CREDITS

Grade 9	Grade 10	Grade 11	Grade 12
English	English	English	English
Mathematics	Mathematics	Mathematics	Mathematics
Phys Ed	Phys Ed	Phys Ed	Phys Ed
Science	Science	*	*
Social Studies	Geography		

Note: 30 credits are required for graduation.

As part of the first 30 credits:

1. For a province of Manitoba diploma, students must have a **minimum of 8 credits to a maximum of 14 credits** from courses approved under the Senior Years Technology Education Program. At least two credits must be from Grade 11 and two credits from Grade 12. Up to 11 School Initiated Courses and 3 Student Initiated Projects can be used as part of the 30 credits.
2. In addition to English, Math, and Phys Ed in Grade 11, students must have at least one other Grade 11 options.
3. In addition to English, Math, and Phys Ed in Grade 12, students must have at least two other Grade 12 options.

ALTERNATIVE WAYS TO ACHIEVE CREDITS

Post Secondary Credits (Dual credits)
Students pursuing post-secondary university or community college credits can count these credits as part of the 30 credits required for graduation. These post-secondary credits could be earned as compulsory or optional credits to a maximum of five within the required 30 credits for graduation. Accessibility and registration is determined by the post-secondary institution.

Community Service Credit
The Community Service credit allows students to earn a half credit or one full credit in their high school years by **volunteering** in the community. Information is available in the Career Centre.

Challenge for Credit
The Portage School Division recognizes that students may, in exceptional circumstances, have already acquired the knowledge, skills and attitudes of a particular course. The Challenge for Credit Option provides a process for students to demonstrate that they have achieved learning outcomes as defined in the Manitoba curriculum for a directly related course. The requirements to earn a credit via challenge should be similar to the requirement to earn the credit through regular instruction; that is, the student should demonstrate that he/she can meet the curriculum learning outcomes in an appropriate way.

Student Initiated Projects
Among the electives necessary for graduation, a student may include up to three credits for projects that he/she has initiated and which the school, within the parameters of department guidelines, is prepared to approve and supervise for credit purposes. All SIPs must be approved by the administration by September 30 in Semester 1 or February 28 in Semester 2. Interested students should make arrangements through the Student Services Department.

Private Music Option
A private music option under private teachers may be accepted for credit in each year of high school. The requirements for this option have been set up by the Universities and Department of Education in Alberta, Saskatchewan, and Manitoba acting through the Western Board of Music and Royal Conservatory of Toronto.

Special Language Credit
Manitoba high school students may claim special credit for languages not included in the regular high school program. See a resource teacher for more information.

Cadet Credits
Students may obtain 2 credits through participation in Cadet programs outside the school. These credits may be counted in addition to the 30 credits required for graduation.

STUDENT SERVICES

Student Services includes:

- Resource Teachers
- Guidance Counsellors (Personal and Career)
- Psychologists
- Addiction's Foundation of Manitoba Counsellors
- Public Health Nurse
- Aboriginal Liaison Officer

The following programs are offered through Student Services:

- Learning Assistance Program
- Pre-Employment Program
- Peer Helper Program
- Rainbows/Spectrum
- Student Assistance Program
- Parenting Adolescents Continuing their Education
- Learning Support Class
- Self-Directed Learning

RESOURCE

In general, the Resource Department is responsible for overseeing any special programming, which might be needed by students with special learning needs. We have a number of Educational Assistants working out of our department that assist students academically in the classroom as well as on an individual bases.

The Resource Department is also involved in programming and advocating for the "At-Risk" learner. This may involve creating alternative ways to deliver curriculum that best fulfill the needs of the student. Resource teachers work closely with classroom teachers to create a plan that will assist students in achieving success in their academics.

If students are in need of academic assistance or would like to see what programs are offered through the Resource Department, please feel free to contact one of the Resource Teachers at any time.

GUIDANCE

DEVELOPMENTAL GUIDANCE

Developmental guidance programming focuses on competencies which all students should develop in order to achieve personal success and fulfillment, and to make a contribution to society. The content of developmental guidance programming includes expected student learning outcomes in three areas: personal/social development, educational development, and career development. This content is normally delivered through classroom teaching/learning units, group guidance methods, courses for credit (e.g., School-initiated Courses and Student-initiated Projects), and school-wide programs and projects.

INDIVIDUAL PLANNING

Individual planning assistance supports and facilitates all students in developing and managing their individual personal/social, educational, and career goals and plans. Individual Planning involves the provision of personalized information, direction, assistance, and monitoring. The activities in this component are delivered on a group or individual basis. Examples of content in the individual planning component include making transitions, orientation to new placements, student portfolios, individualized career and educational exploration and planning, counselling regarding graduation requirements and course selection, post-secondary plans, and financial aid.

RESPONSIVE SERVICES: COUNSELLING, CONSULTATION, AND REFERRALS

A comprehensive guidance and counselling program includes responding to students who are experiencing immediate on-going problems, concerns, or crises which interfere with their learning. This component includes activities such as providing information, individual and small group counselling, consulting with staff and parents, and referral to other specialists or services.

SYSTEM SUPPORT

This component involves the administrative and management activities necessary to support the guidance and counselling program, as well as activities or services provided by school counsellors to support other guidance and educational programs of the school. This component includes consultation and collaboration with parents and community agencies and other support services, staff development, research, budgeting, community relations, and program evaluation.

SCHOOL PSYCHOLOGIST

A school pyschologist is available for assessment and counselling. Referrals may include self-referrals, parent referrals, and staff referrals.

PUBLIC HEALTH NURSE

A public health nurse is available to help students with any health related concerns. Appointments can be made in the student services area.

TEEN CLINIC

A nurse practioner ia available to help students with any related health concerns. The clinic is located in the PCS building.

ADDICTIONS FOUNDATION OF MANITOBA COUNSELLOR

The counsellor provides assessments, counselling and referral services for students whose use of alcohol or other drugs is of concern to them or others.

STUDENT ASSISTANCE PROGRAM

The Student Assistance Program will provide a confidential, structured and organized approach to offer assistance to students troubled by academic, physical, emotional, social, legal, educational, sexual, medical, familial, or chemical issues. It is also the intent of the Student Assistance Program to work, cooperatively, as soon as possible, when appropriate, with parents and guardians. Com-munity resources will also be used as necessary to assist in the resolution of student problems. This policy does not alter or replace existing administrative policies.

CAREER CENTRE

The Career Centre provides a variety of up-dated materials that are used to assist our students in their career planning and in making choices regarding their post-secondary plans. Included in these materials are university and college calendars, post-secondary applications, scholarship information and applications, career-related magazines and much more. A Career Centre Technician is available to assist the students in their career planning, to guide the students through the computer career program. Grade 9 to Grade 12 students are encouraged to visit the Career Centre to utilize the many resources available to them.

COURSES OFFERED FOR 2009 - 2010

COMPUTER TECHNOLOGY

Information & Communication Technology 10F	(ICA15F/ICB15F)	8
Graphic Web Design	(GWD25S/GWD35S)	8
Computer Science 20S	(CSC20S)	8
Computer Science 30S	(CSC30S)	8
Desktop Publishing	(DKT25S/DKT35S)	8
Interactive Media	(IMA35S/IMB35S)	9
Video Technology 1	(VDA25S/VDB35S)	9
Computer Science 40S	(CSC40S)	9
Computer Animation	(CNA35S/CNB35S)	9
Video Technology 2	(VDC35S/VDD35S)	9

ENGLISH

English 10F	(ELA10F)	10
English 20F	(ELA20F)	10
English Comprehensive 30S	(ENC30S)	10
English Literary Focus 30S	(ENL30S)	10
English Advanced Placement 32S	(ENG32S)	10
English Comprehensive 40S	(ENC40S)	10
English Literary Focus	(ENL40S)	10
English AP 42S	(ENG42S)	10
English Language and Literary Forms 40S	(ELA40S)	11
English TechnicalCommunication 40S	(ENT40S)	11

FINE AND PERFORMING ARTS

Art 10G	(ART 10G)	12
Art 20G	(ART 20G)	12
Art 30G	(ART 30G)	12
Art 40G/S	(ART 40G/S)	12
Claywork 31G	(CLA 31G)	12
Drama	(DRA 11G/20G/30S/40S)	12
Music Instrumental	MUS 10G/20G/30S/40S	13
Jazz Band	JAZ 10G/20G/30S/40S	13
Music Choral	CHO 10G/20G/30S/40S	13
Vocal Jazz	VOJ 10G/20G/30S/40S	13

HOME ECONOMICS

Caregiver 21G	(CAR21G)	14
Caregiver 31G	(CAR31G)	14
Clothing and Textiles	CLO10G/20G/30G/40G	14
Family Studies 20G	(FMS20G)	15
Family Studies 30G	(FMS30G)	15
Family Studies 40G/40S	(FMS40G/S)	15
Foods and Nutrition 10G	FDS10G	15
Foods and Nutrition 20G	(FDS20G)	15
Foods and Nutrition 30G	(FDS30G)	15
Foods and Nutrition 40G	(FDS40G)	15
Foods and Nutrition 40S	(FDS40S)	15

LANGUAGES

Francais 10G	(FRC10F)	16
French 10G	(FRE10G)	16
Francais 20F	(FRC20F)	16
French 20G	(FRE20G)	16
Francais 30S/ 40S	(FRC30S)(FRC40S)	16
French 30S/ 40S	(FRE30S)(FRE40S)	16

MATHEMATICS

Transitional Mathematics 10F	(MTT10FL)	17
Mathematics 10F	(MAT10F)	17
Pre-Calculus	MAP 20S/30S/40S	17
Applied Mathematics	MAA 20S/30S/40S	18
Consumer Mathematics	MAC 20S/30S/40S	19
Calculus 42A	CAL 42S	19
Accounting	ACC 30S/40S	19

PHYSICAL EDUCATION

Physical Education F10F (Females)	(PEF10F)	20
Physical Education M10F (Males)	(PEM10F)	20
Physical Education F20F (Females)	(PEF20F)	20
Physical Education M20F (Males)	(PEM20F)	20
Physical Education 30F (Active Healthy Lifestyles)	PED30F	20
Physical Education 40F (Active Healthy Lifestyles)	PED40F	20

French Immersion physical education is offered in grades 9-12

SCIENCE

Science 10F	SCI10F	21
Science 20F	(SCI20F)	21
Biology 30S	(BIO30S)	21
Biology 40S	(BIO 40S)	21
Chemistry 30S	(CHE30S)	21
Chemistry 40S	(CHE40S)	22
Chemistry 42S (Advanced Placement)	(CHE42S)	22
Physics 30S	(PHY30S)	22
Physics 40S	(PHY40S)	22
Psychology 32S	(PSY31G)	22
Psychology 42S	(PSY42S)	22

SOCIAL SCIENCES

Aboriginal Cultural Awareness	ABC41G	23
Archive	ARC31G/ARC41G	23
Social Studies	SST10F	23
Geography	GEO20F	23
Geographie (French Immersion)	GEO20FF	23
History	HIS30S/ HIS30G	23
Native History	NH21G	23
L'histoire (French Immersion)	HIS30SF / 30GF	24
World History	HIS40S / HIS40G	24
World Issues	WIS40S / WIS40G	24
Le Monde Contemporain (World Issues fr. Immersion) 40S	WIS40SF	24
History of Rock	ROC31G	24

VOCATIONAL

Introduction to Automotive Technology	(PMA10S)	26
Engine Fundamentals	(PMB20S)	26
Chassis Theory and Service	(PMC20S)	26
Drive Train Theory and Service	(PMA30S)	26
Fuel Systems and Tune Up	(PMB30S)	26
Engine Reconditioning	(PMC30S)	26
Automatic Transmissions and Transaxles	(PMA40S)	26
Automotive Electronics	(PMB40S)	26
Climate Control and Accessories	(PMC40S)	26
Diagnosis and Correction	(PMD40S)	26
Building Construction 10S	(BCT10S)	26
Drafting 20S	(DRF20S)	26
Power Tools 20S	(POW20S)	27
Cabinets 30S	(CAB30S)	27
Concrete 30S	(CON30S)	27
Finishing 30S	(FIN30S)	27
Framing 30S	(FRA30S)	27
Advanced Carpentry 30S (Furniture)	(ACC30S)	27
Roof Framing 40S	(ROO40S)	27
Stairs 40S	(STA40S)	27
Advanced Applications in Carpentry	(AAC40S)	27
Hairstyling	Grade 10/11/12 Credit Options	27
Retailing 20S	(RET20S)	28
Business Relations 30S	(BRL30S)	28
Management 40S	(MAN40S)	28
Marketing Practicum 40S	(MAR40S)	28
Promotions 30S	(PRO30S)	28

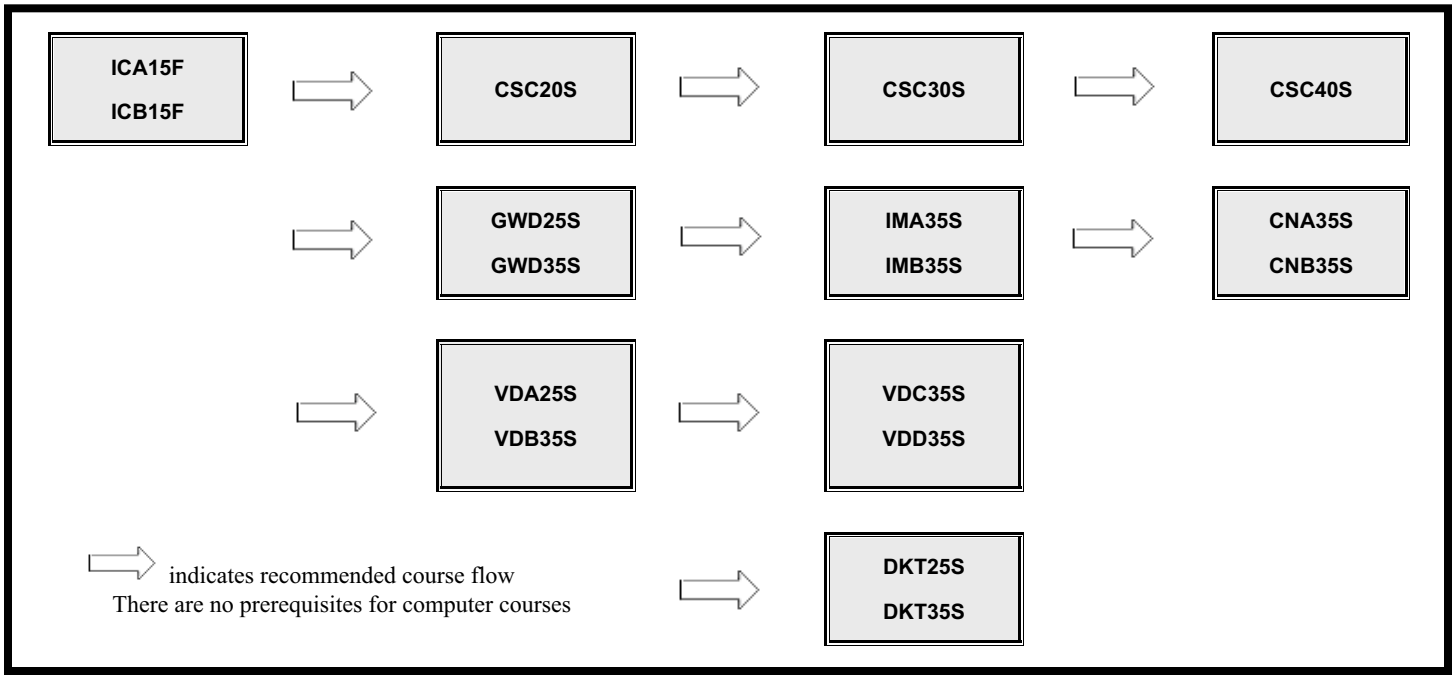
SPECIAL INTEREST

Blue Prints For Life/Work Design		29
Agriculture	(AGR 30S/G/E/M)	29
SENIOR YEARS APPRENTICESHIP OPTION		29
Applied Publishing (Yearbook)	APP21/31/41G(1/2 credit course)	30
Law	LAW 40S	30
Career Development	CDV10S	30
Career Development	CDV20S	30
Career Development	CDV30S	30
Career Development	CDV40S	30

WEB CT

Law Ct	LAW40SW	31
World History CT 40S	WIS40SW	31
Math Ct40S	MAC40SW	31
Accounting Ct 40S	ACC40SW	31

COMPUTER TECHNOLOGY



SENIOR YEARS ICT 1/2 CREDIT MODEL

With the exception of the Computer Science courses, all computer courses at PCI follow the provincial 1/2 credit model for Senior ICT courses. This means that, although a course will run for an entire semester, two 1/2 credits are assigned, one for each term in a semester. For example, in the ICT10F course below, a student could achieve an ICT15F 1/2 credit in term one and also a ICT25F 1/2 credit in term two, resulting in 1 full credit for the semester. The purpose of this system is too allow portability of credits between school divisions and flexability with class choice and course entry for students. If you would like more information about this, please contace the Computer Science Department Head.

INFORMATION & COMMUNICATION TECHNOLOGY 10F (ICA15F & ICB15F)

The purpose of this course is to reinforce and extend ICT knowledge, attitudes and skills acquired by students in the Early and Middle Years. This course will prepare students to use ICT to learn and demonstrate their learning in all Senior Years courses. (Word Processing, Spreadsheets, Charts, Data Bases, Graphics, PowerPoint, 2D Animation, Web Page Design, Timelines and Storyboards, Electronic Communication, ex. Blogs).

GRAPHIC WEB DESIGN (GWD25S & GWD35S)

The Graphic Web Design course consists of Digital Pictures and Web Page Design. Digital Pictures allows students the opportunity to capture images with a digital camera or scanner and then manipulate and edit these images with photo editing software. Web Design allows students to create and publish a website using appropriate design criteria for the purpose of the website.

COMPUTER SCIENCE 20S (CSC20S)

Students taking this course will learn to write their own computer programs using Visual Basic. You will have the opportunity to program robots when working with the LEGO Mindstorms Robotics Kit. There is also an enrichment unit which give you the opportunity to program a small computer game using free Gamemaker software.

COMPUTER SCIENCE 30S (CSC30S)

The purpose of this course is to teach logical thinking skills and computer programming using the C++ language. This course should be considered by any student who will be attending university, especially in the Science and Mathematics oriented disciplines.

DESKTOP PUBLISHING (DKT25S & DKT35S)

Students will learn the fundamentals of creating business desktop publishing projects emphasizing the development of good design and page layout techniques using Microsoft Office and Adobe InDesign. This course will expose students to all steps involved in publishing, using today's computer technology. Adobe Photoshop will be used for Photo editing. Adobe Illustrator will be used as a drawing program. Field trips to local and provincial publishers may be a component. A main project in this course will be publishing the school newspaper.

INTERACTIVE MEDIA (IMA35S & IMB35S)

Students will learn the fundamentals of 2D graphics design using the Flash Animation Software followed by Interactive Websites. Students will create 2D images and morph objects through the use of a timeline to create animated movies and games. The interactive web site will be enhanced through Flash animations and include features utilizing JAVA applets, interactive forms and streaming audio and video content.

VIDEO TECHNOLOGY 1 (VDA25S & VDB35S)

Students will learn the fundamentals of video technology including storyboarding, script writing, composing shots, lighting, video editing using video editing software and VCD/DVD creation software. Sound editing will be done with appropriate software. Students will be responsible for creating a series of short, medium and long length videos.

VIDEO TECHNOLOGY 2 (VDC35S & VDD35S)

Students will practice advanced video techniques, learn to use the video switching board and plan, manage and produce video projects.This course focuses on studying broadcasting and producing video newscasts for the school on current school events and issues of interest. Newscasts will be broadcast through the school website.

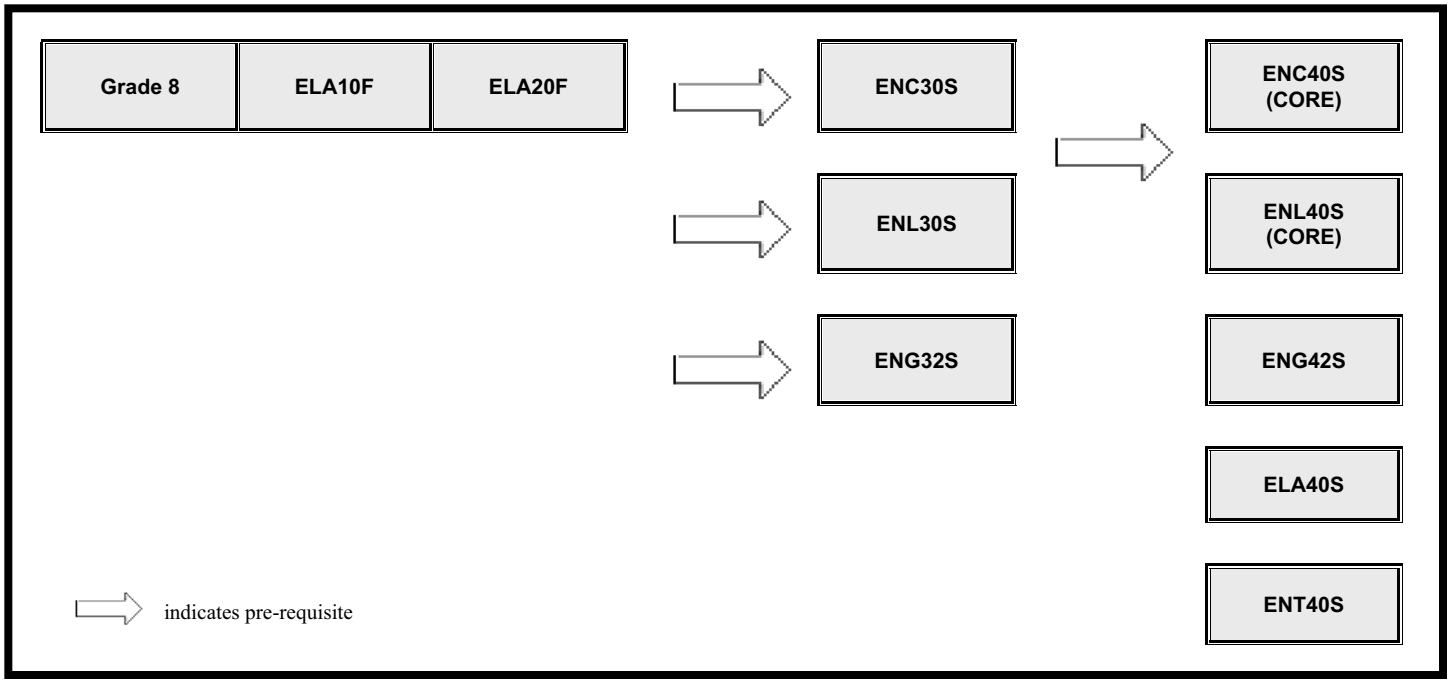
COMPUTER ANIMATION (CNA35S & CNB35S)

Students will learn the fundamentals of 3D object design and animation using 3D animation software. Skills learned will include object creation with Primitives, Nurbs, and Metaballs, applying surface textures, adjusting lighting and atmosphere, muscles and bones, and animating objects. Students will use the skills learned to create a 3D world project.

COMPUTER SCIENCE 40S (CSC 40S)

In Computer Science 40S the JAVA programming language will be studied and students will participate in project management activities. Computer Science 30S is not required but students who have taken other computer programming courses will have a definite advantage in this course.

ENGLISH



ENGLISH 10F (ELA10F)

This is a foundation course that is also a **PREREQUISITE** for English 20F.

ENGLISH 20F (ELA20F)

This is a foundation course that is a **PREREQUISITE** for your course of choice at the grade 11 level.

ENGLISH 30: STUDENTS MUST CHOOSE AT LEAST ONE ENGLISH COURSE AT THIS LEVEL.

ENGLISH COMPREHENSIVE 30S (ENC30S)

The materials studied and produced will be in an even balance of literary and practical works to expose students to the full spectrum of language use.

ENGLISH LITERARY FOCUS 30S (ENL30S)

The material used includes novels, drama, poetry and fact-based texts. A variety of interpretations and responses are encouraged through engagement with literature.

ENGLISH ADVANCED PLACEMENT (ENG32S)

This course is offered to students who may study the Advanced Placement English program in grade 12 (ENG42S). Students who demonstrate a strong interest in reading, discussion and analysis of literature are encouraged to take this academically challenging course.

ENGLISH 40: STUDENTS MUST CHOOSE ONE OF THE CORE COURSES.

ENGLISH COMPREHENSIVE 40S (ENC40S)

This is one of the CORE English courses. The course provides students with opportunities to explore and produce a broad range of texts from practical texts such as media and newspaper articles to literary texts such as drama and poetry. This course will concentrate 50% on practical texts and 50% on literary texts.

ENGLISH LITERARY FOCUS (ENL40S)

This is one of the CORE English courses. This course focuses on literary texts, but some of the course will involve practical texts as well. The course encourages an in-depth exploration and enjoyment of literature and the development of language arts through literature.

STUDENTS WISHING TO ATTEND UNIVERSITY ARE STRONGLY ADVISED TO TAKE TWO GRADE 12 ELA COURSES. FOR THIS SECOND CREDIT, STUDENTS MAY CHOOSE ONE OR MORE OF THE FOLLOWING:

ENGLISH AP 42S (ENG42S)

This course provides students with the opportunity to develop their reading and writing skills in preparation for post-secondary studies. Students who are successful on the AP international exam may earn a credit for first year English at university.

Recommended prerequisite: English Literary Focus 40S

ENGLISH LANGUAGE AND LITERARY FORMS (ELA40S)

This course involves the study of the relationship between language and various forms of literary expression. Students will examine the literature of various historical periods as well as modern literature.

This course will prepare students for first year university English courses.

ENGLISH TECHNICAL COMMUNICATION 40S (ENT40S)

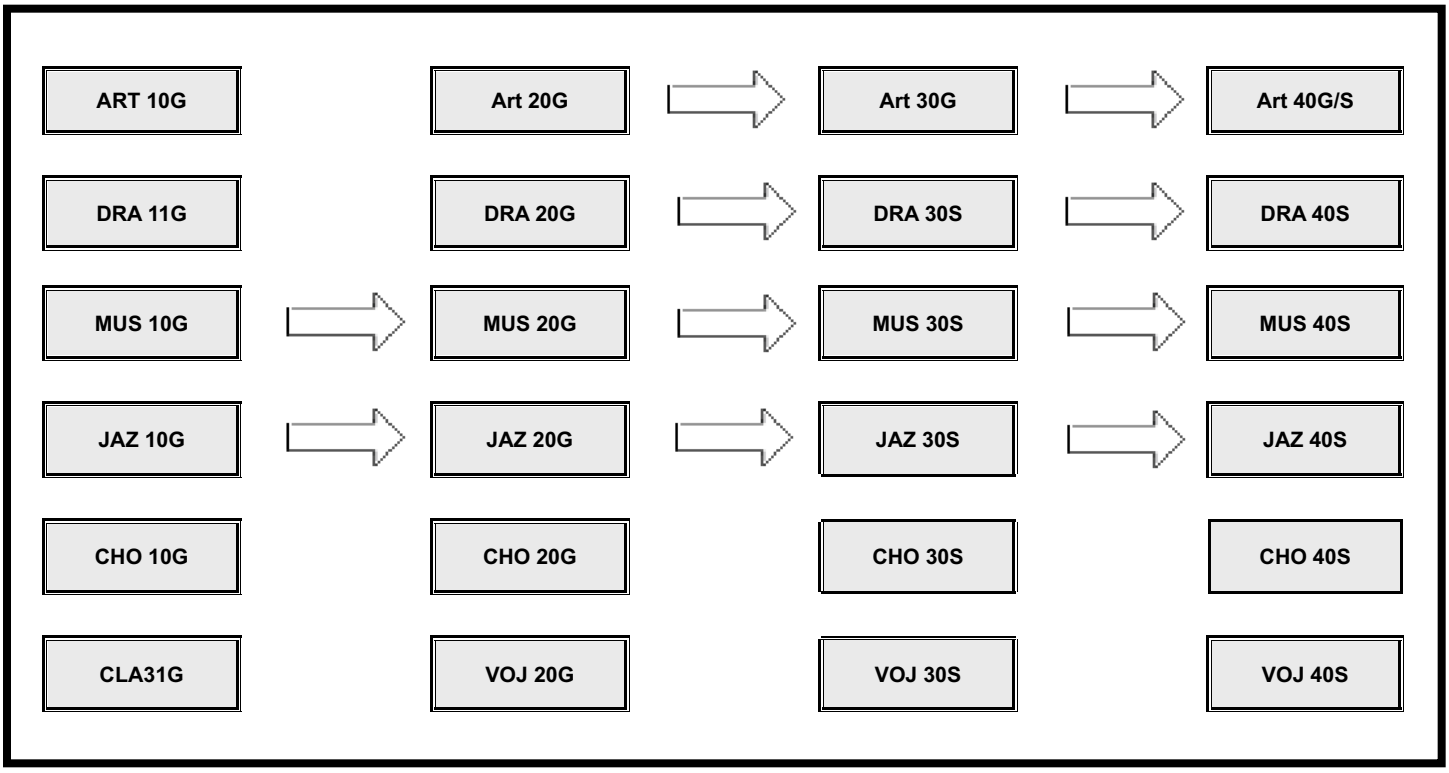
This course is for students entering post-secondary programs such as engineering, math, science, or trades. Topics include technical style of writing, audience awareness, memos, reports, proposals, technical instructions, oral presentations, and multi-media presentations.

FILM STUDIES 31G (FLM31G)

Term 1 involves technical aspects of film such as cinematography (camera angle and movement), composition, lighting, editing, and animation. Term 2 will explore film as a whole. Topics will include film genres, the impact film has on viewers, and evaluating film. Student work will involve assignments, group work, and tests. Students will make a short film using techniques learned in Term 1. There is no exam, but students will write a final cumulative test.

Not offered in 2009-2010.

FINE AND PERFORMING ARTS



ART

ART 10G (ART10G)

An introduction to art vocabulary, art appreciation, art history, and art production. Students will explore basic drawing techniques, painting, and clay work. An introductory course, no experience necessary, little or no art training required. Fee- $30

ART 20G (ART 20G)

A continuation of skill development from Art 10G. Students will explore Art Appreciation, Watercolor, Drawing - scale and graphite transfer, and Claywork- moulds. Fee- $30

ART 30G (ART 30G)

Advanced study continuing from Art 20G. Units: Art History- Isms of Art, Drawing- Portraits and the human form, Pastels, and Claywork- sculpture.
Prerequisite: Art 20G or permission of instructor. Fee- $30

ART 40G/S (ART 40G/S)

The final year will focus on the development of a portfolio following the guidelines set by the U of M School of Art. Students will also continue skill development in the areas of claywork and drawing. One major art history project will be required.
Prerequisite: Art 30G or permission of the instructor. Fee $30

CLAYWORK 31G (CLA 31G)

This is a course in clay. Students will learn about pottery through handbuilding (pinch, slab, coil), molds, sculpture, and wheel-throwing. Students will work with various types of clay, firing processes, uses of the kiln, decorative glazes, and other surface treatments such as texturing, marbline, incising, and wax resist. Students will also explore styles of clay work in varying cultures, past and present.
Prerequisite: Art 20G or permission of instructor. Fee- $30

DRAMA

DRAMA (DRA 11G/20G/30S/40S)

Drama is a progressive series of experiences in the performance, production, historical and technical aspects of theatre leading to possible further studies.

Prerequisites Students are encouraged to follow the four levels in order, although special permission may be granted with evidence of equivalent experience.

Areas of Focus

Grade 9 - Basic Skills, Theory, Intro to Performance
Grade 10- Theatre Processes, Genres, Improvisation
Grade 11- Script-Writing, Production, Portfolios
Grade 12- Audition and Performance

MUSIC

MUSIC INSTRUMENTAL MUS 10G/20G/30S/40S

Students will continue to work on technique and tone production on their instruments. Students will develop musical skills and an appreciation for music through the rehearsal and performance of repertoire. Participation in rehearsals and performances is required to succeed in the course. Previous band experience is required.

JAZZ BAND JAZ 10G/20G/30S/40S

Students will study musical style, rhythms, expression, improvisation, and individual rolls within the context of Jazz Band repertoire. Students will have many solo opportunities. Students in Jazz 10G or Jazz 20G must also be in concert band.

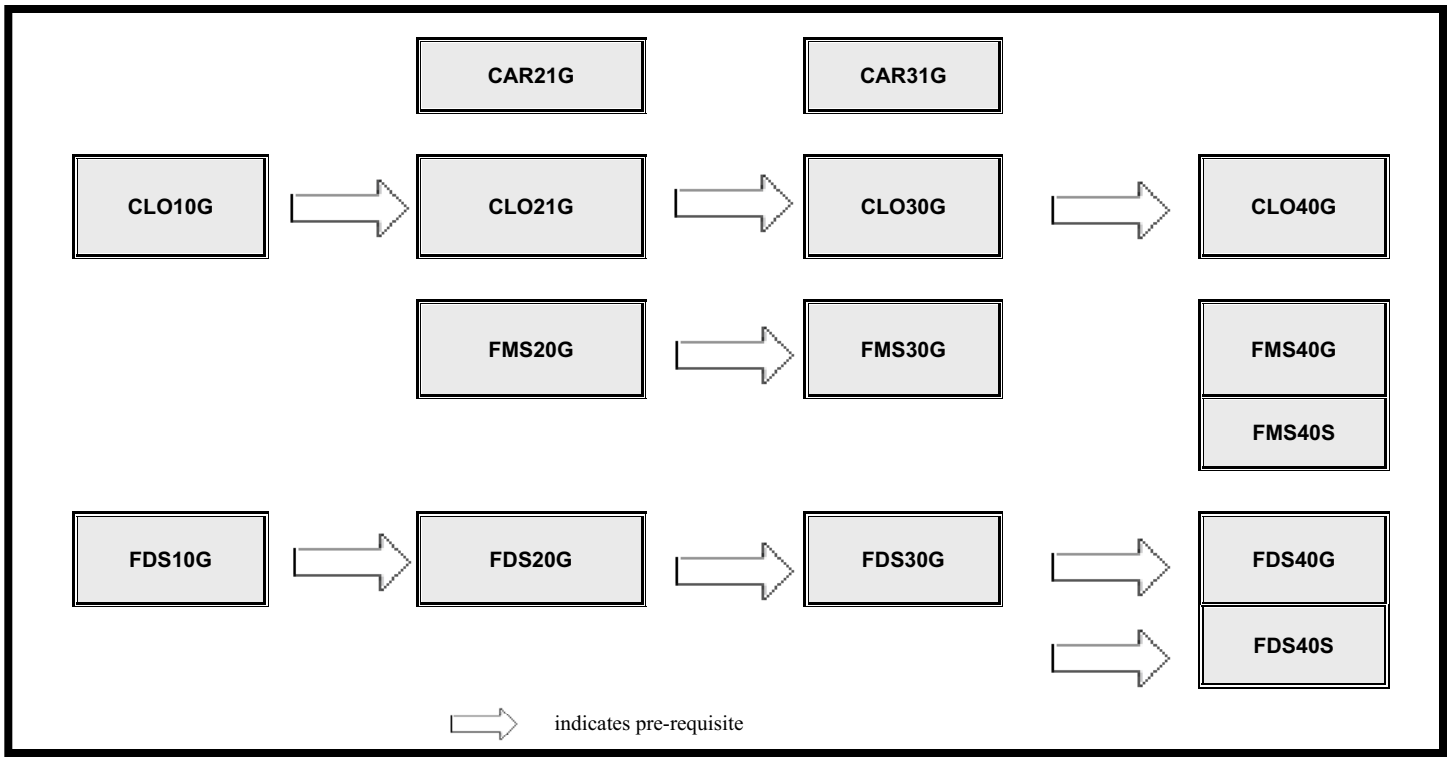
MUSIC CHORAL CHO 10G/20G/30S/40S

Students will develop vocal and ear training skills, study various vocal genre's, and learn vocal ensemble techniques through the preparation and performance of vocal repertoire. Previous choral experience is not necessary.

VOCAL JAZZ VOJ 20G/30S/40S

In addition to the goals of the Music Choral courses, vocal jazz focuses on the harmonies and rhythms found in vocal jazz music. Students in this course must be confident singers with previous choral expereince.

HOME ECONOMICS



CAREGIVER 21G (CAR21G)

Caregiver is designed to introduce the students to the role of a child care worker. Students will be working in the Infant Lab performing all tasks necessary to operate a day care facility safely. Students should have a strong desire to work with children.

CAREGIVER 31G (CAR31G)

Prerequisite: CAR 21G

Objectives: The student will understand how to maintain a child care facility and participate in the general housekeeping duties, identify the role and responsibilities of a caregiver, assist in providing basic care for infants and toddlers, plan and prepare weekly activities for the children, observe, assess and record the children's growth and development; physical, social, emotional and intellectual, and recognize how to provide a loving and safe environment for children prepare and present a portfolio of activities for the child care professional

CLOTHING AND TEXTILES CLO10/20/30/40G

CLO 10G

Students will learn basic clothing construction concepts and analyze the creative procedures in design. This knowledge will be applied to gain skills and experiences through practical application of creativity and design in a textile project of the student's choice. There will be a $10 fee for maintenance of machines and incidentals.

CLO 20G

Students will explore the messages various styles of clothing communicate wardrobe planning, and the clothing dollar and its efficient use. There will be three practical projects. There will be a $10 fee for maintenance of machines and incidentals.

CLO 30G

Prerequisite: CLO 20G is a prerequisite for CLO 30G

This course is a continuation of CLO 20G. There will be an additional color design project. There will be a $10 fee for maintenance of machines and incidentals.

CLO 40G

Prerequisite: CLO 30G is a prerequisite for CLO 40G

This course is a continuation of CLO 30G. There will be an additional interior design project. There will be a $10 fee for maintenance of machines and incidentals.

FAMILY STUDIES 20G (FMS20G)

This course prepares students to understand the nature, function and significance of human relationships. It includes the study of parenting and the development of children. Students will learn to do scientific observations, where they will evaluate the development of children. Prenatal development and Pregnancy are also covered in the course. They will also have an opportunity to take a baby-simulator home, to find out what it is really like to have a child.

FAMILY STUDIES 30G (FMS30G)

Prerequisite: FMS 20G

This course is a continuation of Family Studies 20G. Students will study children as they mature from four years old to twelve years old. The following topics will be covered; importance of parenting, physical, intellectual, social, emotional and moral growth and development during these years. Students will be required to participate in a practicum where they will spend two weeks in an elementary school classroom.

FAMILY STUDIES 40G/40S (FMS40G/S)

This course seeks to develop an understanding of the relationships between the individual, the family and society and to empower students with the ability and self-understanding for actions essential to their everyday living. This course will involve active classroom participation via discussions, group work and sharing of experiences. The following topics will be covered; understanding ourselves, relationships with others and marriage. Practicum with elderly.

40S students are required to complete 4 independent work projects to receive this credit.

FOODS AND NUTRITION 10G FDS10G

The Foods and Nutrition course includes theory and lab work. The course is an introduction to basic nutrition concepts, kitchen equipment and appliances, food preparation vocabulary and understanding recipes and measuring ingredients. The students will be preparing food and developing skills in the planning and presentation of meals. **There will be a $30 fee to cover the cost of cooking labs.**

FOODS AND NUTRITION 20G (FDS20G)

This course will emphasize preparing students with skills that will become an integral part of everyday life. Students will develop a personalized nutrition plan, focusing on the relationship between eating habits and good health. The **foods lab** component of the course will allow students to apply management and decision-making skills to the purchase, preparation and storage of food. Food portfolios will be done throughout the term. **There will be a $30 fee to cover the cost of cooking labs.**

FOODS AND NUTRITION 30G (FDS30G)

Prerequisite: FDS 20G

This course is a continuation of Foods 20G. Students will gain an understanding of the principles of nutrition and the relationship of nutrition to health and well being. This program will teach skills that will enable students to make optimal use of the food dollar and practice meal planning throughout the **foods lab** component of the course. Personal, social and cultural aspects of food will be examined. Food portfolios will be done throughout the term. **There will be a $30 fee to cover the cost of cooking labs.**

FOODS AND NUTRITION 40G (FDS40G)

Prerequisite: FDS30G

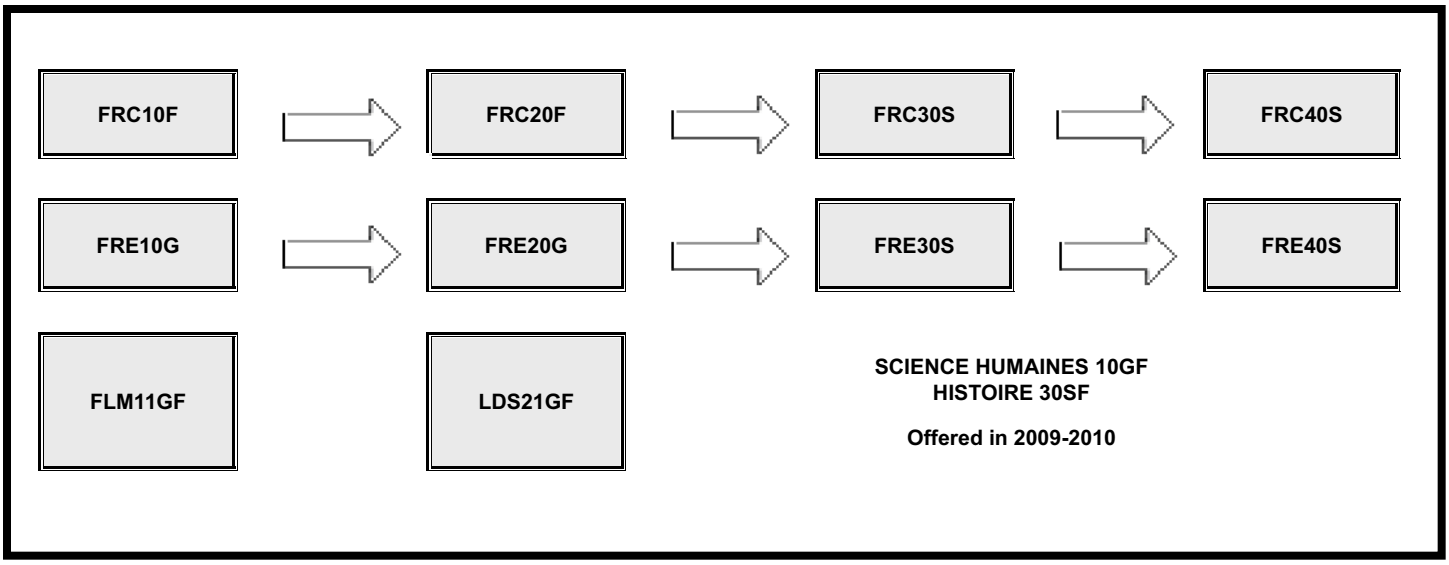
This course will prepare students to manage financial, human and environmental resources to meet their food needs. The program will emphasize skills that will become of great value to those students intending to move out on their own. Students will be required to complete a **foods lab** component in which they will practice skills learned during class lessons. They will also gain an awareness and appreciation for food habits of cultures other than their own. Food portfolios will be done throughout the term. **There will be a $30 fee to cover the cost of cooking labs.**

FOODS AND NUTRITION 40S (FDS40S)

Prerequisite: Foods 30G

This course will prepare students to manage financial, human and environmental resources to meet their food needs. Much of the emphasis is on student self-directed work. Students will research a variety of nutritional topics related to society's changing attitudes, health issues and to cultural aspects of food. Food portfolios will be done throughout the term. Students are required to complete a food lab component, where they practice skills learned in class. **There will be a $30 fee to cover he cost of cooking lab.**

LANGUAGES



FRANCAIS 10G (FRC10F)

This course provides students with an understanding of the written and spoken French language. They will develop their understanding of grammatical components and further develop their reading comprehension with the use of a variety of sources. **This will be a required course for students hoping to obtain their immersion diploma.***

FRENCH 10G (FRE10G)

This course is designed to provide opportunities for students to acquire basic skills that will enable them to express themselves in the French language. Cultural component is included.

ETUDE DES FILMS 10G (FLM11GF - FRENCH IMMERSION)

Students will develop skills to evaluate and understand a variety of films. The course will include studies of special effects, film composition, filmmaking, and studying various genres of films. The course will also include an actual filmmaking component where students will develop and produce a short movie.

FRANCAIS 20F (FRC20F)

Is designed to reinforce the oral language skills already acquired and to provide a deeper understanding of the basic fundamentals of the written language. This course is recommended for Immersion students. **This will be a required course for students hoping to obtain their immersion diploma.***

FRENCH 20G (FRE20G)

is designed to build communication skills (speaking and writing) by interacting with current films, television, music, newspapers, and interviews as well as traditional sources such as textbooks and novels. This course is recommended for Basic French students. The goal of the French program is to enhance a student's chance of social survival in a Francophone environment.

LEADERSHIP 20G (LDS21GF - FRENCH IMMERSION)

This course is designed to teach students skills in leadership, organization, social interaction, long and short term planning, and teamwork. The course provides an opportunity for students to practice and improve these skills in a school and community setting. The course involved 50 hours of time spent in class working as group leaders and teaching specific units. There is also a 50 hour practicum component where students perform leadership type activities outside of their normal classroom time.

FRANCAIS 30S/ 40S (FRC30S)(FRC40S)

Is designed to reinforce the oral language skills already acquired and to provide a deeper understanding of the basic fundamentals of the written language. This course is recommended for immersion students. **This will be a required course for students hoping to obtain their immersion diploma.***

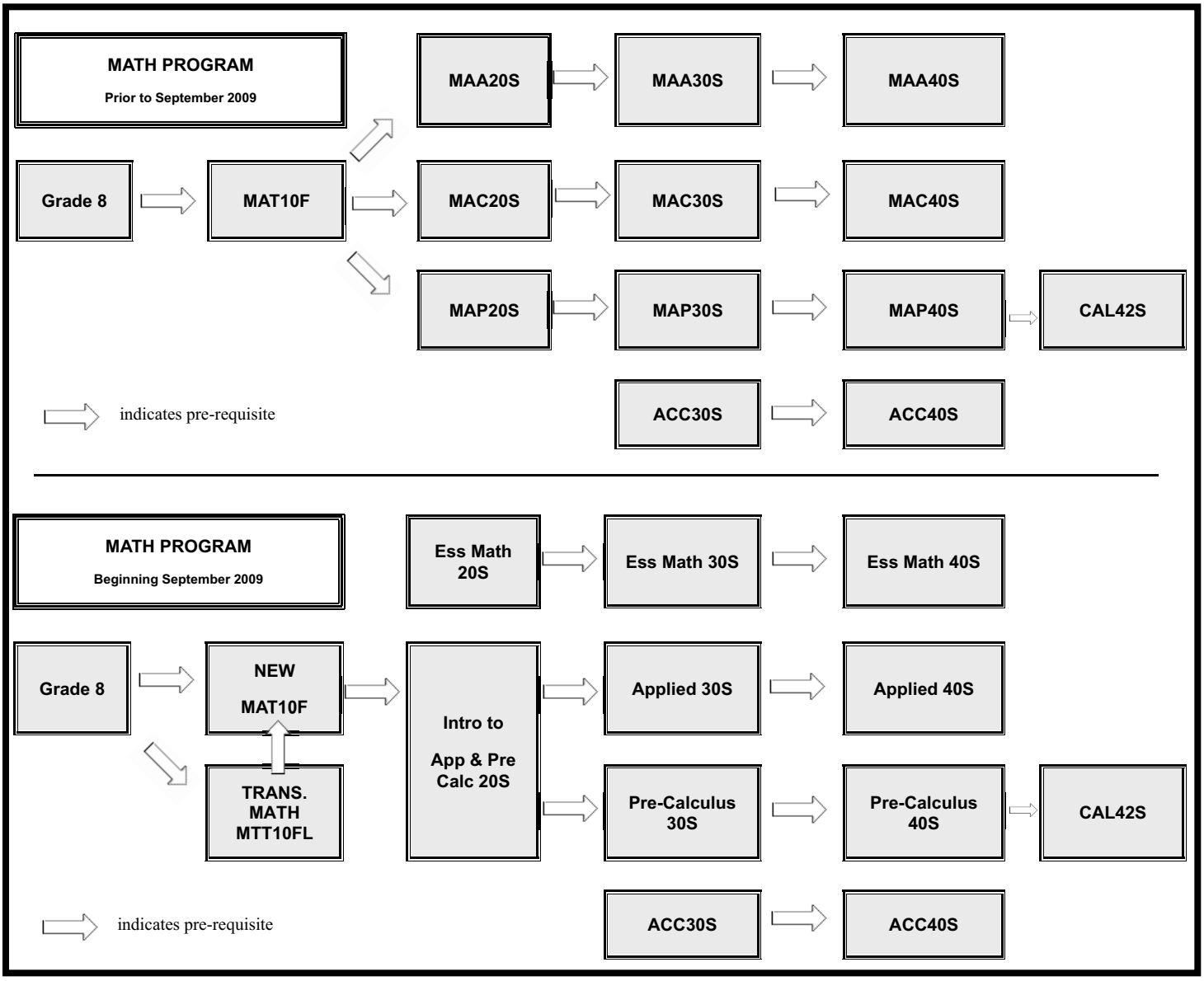
FRENCH 30S/ 40S (FRE30S)(FRE40S)

Is designed to build communication skills (speaking and writing) by interacting with current films, television, music, newspapers, and interviews as well as traditional sources such as textbooks and novels. This course is recommended for Basic French students. The goal of the French program is to expand the communication skills of the students and therefore their chance of social survival in a Francophone environment.

*In order for a student to graduate with their French Immersion Diploma they must acquire a total of 14 credits at the following levels from courses taught in French:

Grade 9 - 4 Credits
Grade 10 - 4 Credits
Grade 11 - 3 Credits
Grade 12 - 3 Credits

MATHEMATICS



MATHEMATICS PROGRAMS

Portage Collegiate Institute offers all three streams of mathematics after the completion of Math 10F. Each of the three streams is provided in some detail below as well as advanced placement calculus. It must be noted that a math credit from each grade from S1 to S4 must be attained to graduate from the school. Accounting 30S and 40S are also recognized as math credits and may be used as a math credit in order to graduate. However, students who wish to take this approach must realize that most secondary institutions will not always recognize this credit as a math requirement for their programs.

TRANSITIONAL MATH (MTT10FL)

Grade 9 Transitional Mathematics is comprised of a series of units designed to address gaps in students' mathematical understanding as they transition from grade 8 to grade 9 Mathematics. The curriculum for grade 9 Transitional Mathematics allows students to earn an optional credit within Senior Years graduation requirements. Grade 9 Mathematics (Math 10F) will remain as the compulsory core credit for Grade 9 Mathematics.

Transitional Math
Optional Course at S1 Level
Learning to Learn
Smart Math
Investigations
Skill Development
Money Management
Scheme-A-Team
Investigations in Algebra
Nutrition and Fitness
Probability and Sampling

Timetabling for this new curriculum is a local decision as is determining the students for whom it is appropriate. Some students may require this program while other students will not require Grade 9 Transitional Mathematics in order to transition satisfactorily to Grade 9 Mathematics (10F).

NEW MATHEMATICS 10F (MAT10F)

A new course introduced in September of 2009, replacing the course from the previous year. This course is arranged by topics which will be used to help students become engaged in making connections among concepts and thus make mathematical experiences meaningful. The focus of student learning should be on developing a conceptual and procedural understanding of mathematics. Students' conceptual understanding and procedural understanding must be directly related.

Topics in Senior 1 Mathematics (10F)
Compulsory Course at S1 Level
Number
Patterns and Relations (Number)
Patterns and Relations (Variables and Equations)
Shape and Space (Measurement)
Shape and Space (2D and 3D Shapes)
Shape and Space (Transformations)
Statistics and Probability (Data Analysis)
Statistics and Probability (Chance and Uncertainty)

PRE-CALCULUS MAP 20S/30S/40S

Pre-Calculus Mathematics is designed for students who intend to study calculus and related mathematics as part of their post secondary education. The course comprises, primarily, a high-level study of theoretical mathematics with an emphasis on problem solving, algebra and cumulative exercises and testing. All grade levels require a very strong work ethic and desire to reach an understanding of concepts. Up to one hour of homework is expected each night. Many exercises and problems are designed to be original or different from those presented in class. A scientific calculator is required for this program.

Topics in Pre-Calculus Mathematics	
Pre-Calculus Mathematics (20S) **Math 10F credit required prior to Sept. 2009 with a recommended mark of 70%**	**Pre-Calculus Mathematics (30S)** **20S Pre-Calculus Required with a recommended mark of 65%**
Polynomials and Factoring	Quadratic Functions
Analytic Geometry	Trigonometry
Trigonometry	Algebra
Exponents and Radicals	Analytic Geometry
Geometry	Geometry
Rational Expressions and Equations	Consumer Mathematics
Functions	Logic/Proof
Statistics and Probability	Functions
Variation and Sequence	

Topics in Pre-Calculus Mathematics
Pre-Calculus Mathematics (40S) **30S Pre-Calculus Required with a recommended mark of 65%**
Circular Functions
Transformations
Trigonometric Identities
Exponents and Logarithms
Permutations, Combinations, and Binomial Theorem
Conics
Probability
Geometric Sequences

APPLIED MATHEMATICS MAA 20S/30S/40S

Applied Mathematics is one of 2 curricula available for students planning to pursue post-secondary education studies in math and sciences. This curriculum is suited for students who plan to enter fields involving technology. All Applied Math programs are heavily data driven and promote the use of this data to reach and draw conclusions. Projects and experiments may be used as well. The components in each grade emphasize technical communication, spreadsheets and the use of technology to guide students to a solution such as graphing calculators and computer software. A graphing calculator is required for this course provided by the school.

Topics in Applied Mathematics	
Applied Mathematics (20S) **Math 10F credit required prior to Sept. 2009 with a recommended mark of 65%**	**Applied Mathematics (30S)** **20S Applied Math Required**
Spreadsheets	Non-Linear Functions
Exploring Mathematics Using Technology	Personal Finance
Technical Communication	Systems of Equations
Linear Models and Patterns	Linear Programming
2D/3D Projects	Budgets and Investments
Relations and Functions	Data Management and Analysis
Coordinate Geometry	Precision Measurement
Measurement Technology	Geometry
Data Management and Analysis	
Trigonometry	

Topics in Applied Mathematics
Applied Mathematics (40S) **30S Applied Math is Required**
Matrix Modeling
Vectors
Personal Finance
Probability
Variability and Statistical Analysis
Design and Measurement
Applications of Periodic Functions
Sequences

CONSUMER MATHEMATICS MAC 20S/30S /40S

The Consumer Mathematics curriculum emphasizes number sense, consumer problem solving, and decision making. Students will develop valuable knowledge and skills that will allow them to make informed decisions, as they become independent citizens. The Consumer Mathematics curriculum addresses financial management, career exploration, home ownership and maintenance, as well as more traditional topics such as trigonometry and statistics. The portfolio and creation of projects are heavily used in this program to help show the relationship with real life situations. A scientific calculator is required for this program.

Topics in Consumer Mathematics

Consumer Mathematics (20S) **Math 10F credit required prior to Sept. 2009**	**Consumer Mathematics (30S)** **Any Senior 2 Math Credit is Required**
Problem Analysis	Problem Analysis
Analysis of Games and Numbers	Analysis of Games and Numbers
Wages and Salaries	Relations and Formulas
Spreadsheets	Income and Debt
Trigonometry	Data Analysis and Interpretation
Spatial Geometry	Measurement Technology
Consumer Decisions	Owning and Operating a Vehicle
Geometry Project	Personal Income Tax
Personal Banking	Applications of Probability
Probability and Sampling	

Topics in Consumer Mathematics

Consumer Mathematics (40S) **Any Senior 3 Math Credit is Required**
Problem Analysis
Analysis of Games and Numbers
Personal Finance
Design and Measurement
Government Finances
Statistics
Investigative Project
Career/Life Project
Investments
Income Tax
Variation and Formulas
Completing a Portfolio

CALCULUS 42S CAL 42S

Calculus 42S is designed to prepare students for the Advanced Placement Calculus AB examination. Calculus 41G is a prerequisite and this course continues the study of calculus with integration, the fundamental theorem of calculus and application problems. There will be a thorough review of all topics from 41G as well as the material that is new in this semester. The outline for this course is determined by the College Board and is available at their web site http://www.collegeboard.com/ap/students/index.html or at the AP web site http://apcentral.collegeboard.com. Graphing technology continues to be an integral tool for this course and graphing calculators may be used daily. Students who are successful in completing this course and passing the AP exam will be eligible for credit or advanced standing at many universities in Canada and around the world.

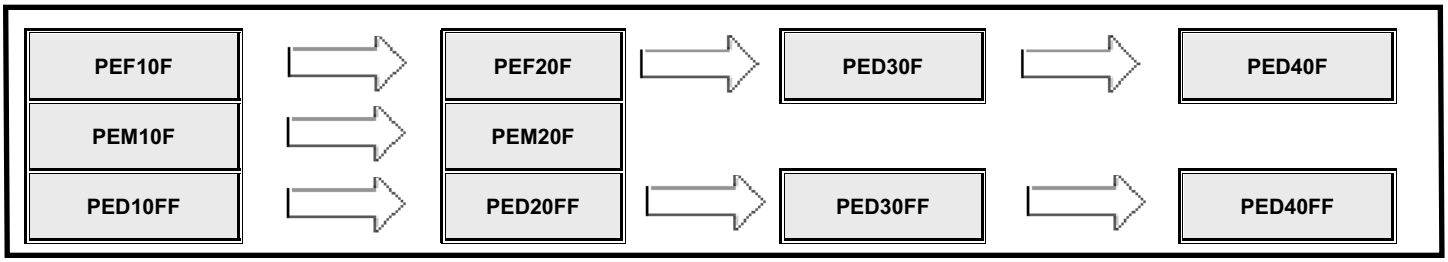
ACCOUNTING ACC 30S/40S

Senior 3 Accounting Principles introduces students to the standard principles and concepts that govern the practice of accounting and *Senior 4 Accounting Systems* focuses on accounting for a merchandising business and converting manual accounting records to computerized accounting systems. It builds on and expands accounting principles and concepts introduced in *Senior 3 Accounting Principles*. Topics covered provide a basis for further accounting studies. At some point technology such as *Simply Accounting* is used during the program.

Topics in Accounting

Accounting Principles (30S) **A senior 2 Math Credit is required**	**Accounting Systems (40S)** **Accounting Principles 30S Required**
Basic Concepts	Merchandise Accounting
Accounting Process	Inventory Systems
Cash Control	Computerized Accounting
Payroll Accounting and Income Tax	Accounting for E-commerce
Computerized Accounting	Adjusting Entries
	Completing the Accounting Cycle
	Financial Statement Analysis
	Computerized Business Applications

PHYSICAL EDUCATION



PHYSICAL EDUCATION F10F (PEF10F)

Physical Education - Female

PHYSICAL EDUCATION M10F (PEM10F)

Physical Education - Male

PHYSICAL EDUCATION F20F (PEF20F)
PHYSICAL EDUCATION M20F (PEM20F)

PEDF20F - female PEDM20F - male
provides students with an opportunity to participate in a wide variety of sports and recreational activities while including a health and lifestyles component. Emphasis is on participation and grades will reflect this.

PHYSICAL EDUCATION (FRENCH IMMERSION) PED10/20/30/40FF

PHYSICAL EDUCATION 30F (PED30F) (ACTIVE HEALTHY LIFESTYLES)

These compulsory full-credit courses are designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and to engage in active lifestyles into their futures. Students will study topics related to fitness management, mental health, substance use and abuse prevention, and the social impact of sport. The focus of this content will be on health and personal planning. These topics will make up the core minimum 25% IN-class component of the course content. Students will be required to develop and implement the remaining up to maximum 75% of the course on their own time in a personal physical activity plan as part of the physical activity practicum. Students will be introduced to safety and risk management planning to minimize the associated risks of the activities they have chosen.

As part of earning a credit for this course, students will be required to submit a personal fitness portfolio containing elements such as a fitness plan, physical activity log, or journal entries. Students will be graded for completion of the course with a Complete or Incomplete designation.

NOTE: Parents/guardians will be required to review the student's physical activity plan and sign a Parent Declaration and Consent Form acknowledging their approval of the chosen activities and acceptance of the responsibility for risk management, safety, and supervision. Parents/guardians will also be required to verify the entries of the student's physical activity log through a sign-off procedure.

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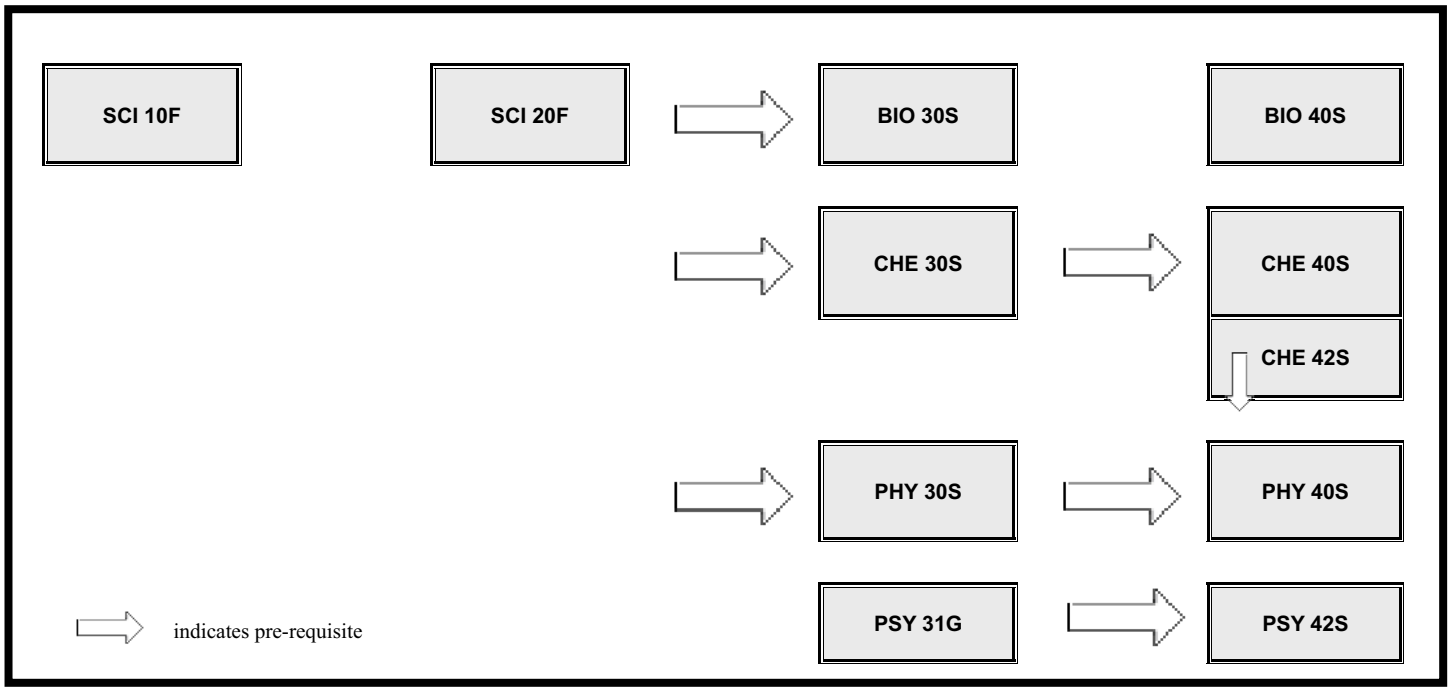
SCIENCE



SCIENCE 10F SCI10F

This course exposes students to a broad perspective of science. The areas of focus are: physics - The Nature of Electricity, biology - Reproduction, chemistry - Atoms and Elements, and earth/space science - Exploring the Universe. Students will perform some laboratory investigations and will focus on lab safety

SCIENCE 20F (SCI20F)

This is a second general science course that expands on the four fields studied in Science 10F. In this course the areas of focus are: physics - Motion, biology - Dynamics and Ecosystems, chemistry - Chemistry in Action, and earth science - Weather Dynamics. As well, students will become even more familiar with lab work and lab safety.

BIOLOGY 30S (BIO30S)

PREREQUISITE: Science 20F
This course examines major body systems such as the circulatory, respiratory and digestive systems. Other topics include blood and immunity, excretion and waste management, protection and control, and wellness and homeostasis. Class time will be spent exploring these topics with laboratory activities, discussions, videos and lectures.

BIOLOGY 40S (BIO40S)

This course studies the DNA blueprint and how it controls us. As well, we will study how DNA is passed along through the generations and how it determines individual traits. Recent updates in biotechnology (manipulating genes, human genome project, bioengineering and ethical issues involved) are examined. Biodiversity will explore classifications of living organisms. Class time will be spent exploring these and other topics with laboratory activities, discussions, videos, lectures and field research.

CHEMISTRY 30S (CHE30S)

PREREQUISITE: Science 20F
This course examines five basic clusters: Physical Properties of Matter, Gases and the Atmosphere, Chemical Reactions, Solutions and Organic Chemistry. There will be a higher level of mathematics in this course than in Science 20F. A variety of experiments will be performed. These labs will require a higher level analysis than those performed in Science 20F. A scientific calculator is required for this course

CHEMISTRY 40S (CHE40S)

PREREQUISITE: Chemistry 30S
This course examines five basic clusters: Kinetics (reaction rates), Chemical Equilibrium, Acid and Base Equilibria, Solubility Equilibria and Electrochemistry. Some algebra is used in this course. Some of the experiments performed will require a high level analysis. A scientific calculator is required for this course.

CHEMISTRY 42S (CHE42S) (ADVANCED PLACEMENT)

PREREQUISITE: Chemistry 40S
Topics covered in chemistry 30S and 40S will be expanded to more detail. As well, topics such as Thermochemistry, Atomic Structure & Periodicity, Bonding/VSEPR Theory, and Entropy will be studied. The intent of this course is to provide the same education that a first year university chemistry course would provide. Students are prepared to write the standardized AP exam in May. If a high enough score is achieved on this exam, many universities will grant credit status for the course. Students will receive a course mark and high school credit independent of the AP exam.

PHYSICS 30S (PHY30S)

PREREQUISITE: Science 20F
This course introduces the topics of: Waves, The Nature of Science, Mechanics, and Fields. Physics has been designed with a general focus that the objectives in this course are more easily attainable than they traditionally were. The mathematics component has been toned down meaning that general relationships are discussed from a more intuitive perspective. Students must be prepared to complete homework assignments regularly and be committed to spending time out of class gaining an understanding of the concepts discussed in class. A scientific calculator is needed for this course.

PHYSICS 40S (PHY40S)

PREREQUISITE: Physics 30S and proficiency in mathematics concepts extending to quadratic equations. Physics 30S topics are revisited at a more comprehensive level with the addition of: Electric Circuits, Electromagnetic Induction, and Medical Physics. A commitment to completing homework is essential for success in this course. A scientific calculator is needed for this course.

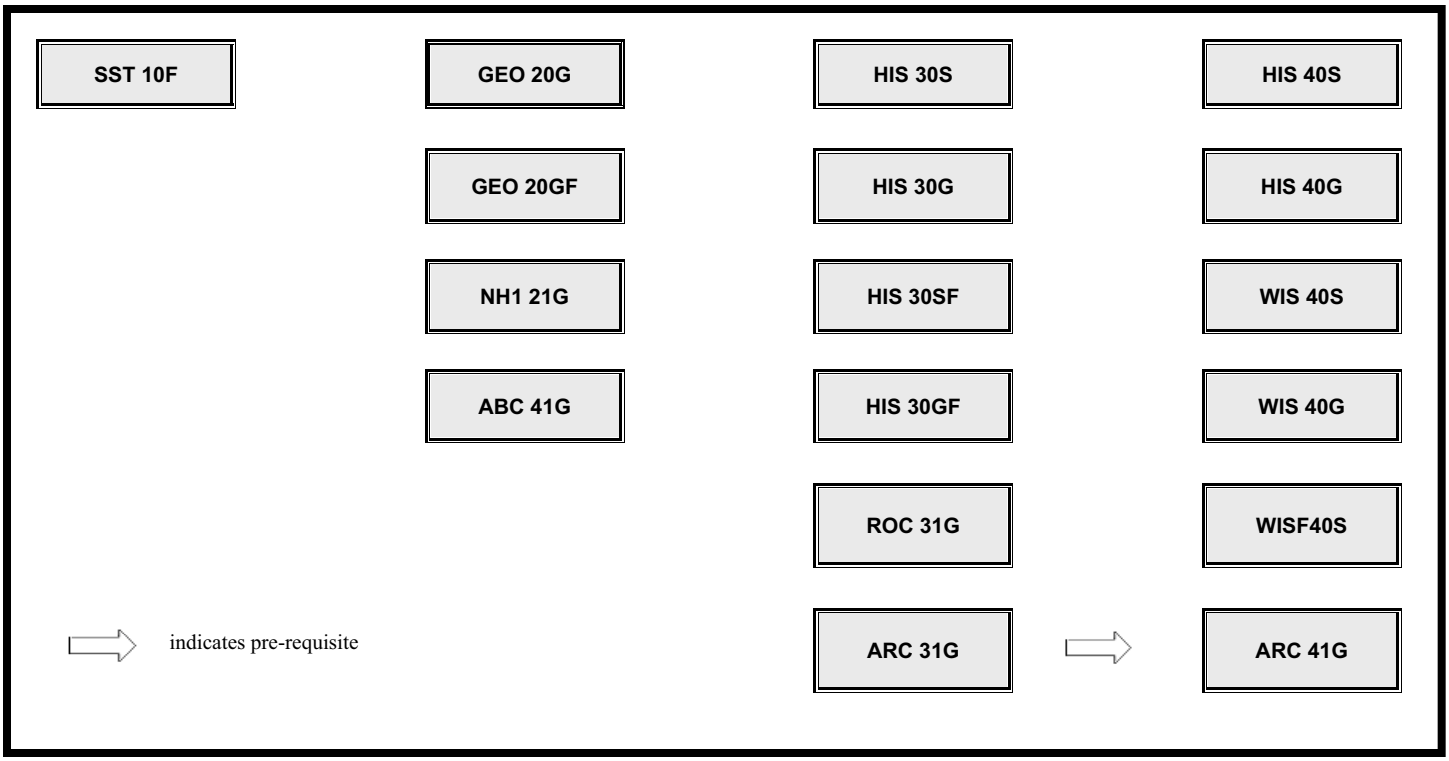
PSYCHOLOGY 31G (PSY31G)

A new course which will introduce the concepts of psychology and give students a basic knowledge in order to complete the Psychology 42S Advanced Placement course in one semester in grade 12. Some topics which will be covered in the 32S course are: History of Psychology, Scientific Methods, States of Consciousness (including Sleep and Dreams), Nature vs. Nurture, Child Development, Intelligence. The course requires students to keep up on textbook reading assignments, write journal entries, participate in class discussion, complete some group activities, and do research. Beginning in 2009-2010, this course will be a prerequisite for Psychology 42S.

PSYCHOLOGY 42S ADVANCED PLACEMENT

This course prepares students to write the Advanced Placement Psychology exam. Additional topics include Personality theory, Disorders & Therapies, Neuroscience, and others. Methods of learning include textbook reading assignments, group projects, research paper, class discussion, journals, etc.

SOCIAL SCIENCES



ARCHIVE ARC31G

Archiving is a school-initiated course. Participants are required to complete an in-service on basic archiving principles. Students are expected to complete 110 hours of work related to the archive. Projects include web site design, video editing, artifact accessioning, conservation and research. As students are expected to work independently, acceptance into the course is by personal interview.

ARCHIVE ARC41G

Students who successfully complete ARC31G may be asked to join ARC41G. Students are expected to run the archive in a responsible manner. In addition to regular archiving duties students must deal with public inquiries, records management, and conservation issues.

SOCIAL STUDIES SST10G

The intent of this course is to help students gain a better understanding of the country in which they live, their roles within that society, and the role of Canada within the world.

GEOGRAPHY GEO20G

Geography 20G is a contemporary study of the Canadian geography. Students examine the physical, social, environmental, cultural, economic, and political aspects of Canadian life and current issues associated with them. Connections will be shown to exist from the local community to the global community.

GEOGRAPHIE GEO20GF

The course content is the same as GEO20G, with all instruction in French. The course is intended for immersion students. This will be a required course for students hoping to obtain the French Immersion diploma.

HISTORY HIS30S/ HIS30G

This course examines Canadian historical events, policies, conflicts and people that have shaped our nation. Students will link past events to current issues of today. History 30G examines content similar to the History 30S course. The main distinction is the sophistication of assignments, tests, and slower pace at which the course progresses.

NATIVE HISTORY NH121G

This course traces the history of aboriginal people in Canada, with consideration given to both oral and written accounts. Topics include: Ancient History, Pre-contact Era, Post contact and Fur Trade, Post-Contact, Treaties, Assimilation and modern aboriginal issues. This course also discusses aboriginal accomplishments in Canada.

ABORIGINAL CULTURAL EXPLORATION 41G

This course is an examination of traditional Aboriginal culture, customs, beliefs, teachings, worldviews, ceremonies, medicines, music and food. Although there is much commonality amongst Aboriginal nations across North America there is also much diversity. The focus of this course will be on Aboriginal nations in Canada with major emphasis on Manitoba's First Nations, Metis and Inuit cultures. However content remains broad and encompasses the teachings of many Aboriginal nations.

L'HISTORIE HIS30GF / 30SF

The course content is the same as History 30S and History 30G, with all instruction in French. The course is intended for immersion students. This will be a required course for students hoping to obtain the French Immersion diploma.

WORLD HISTORY HIS40S / HIS40G

This course covers the entire scope of World History from the earliest hominids to modern man. The ability to perform academic research and understand historical writings are an asset. Students in the 40G course are responsible for understanding the core content while students in the specialized stream will be required to develop essay skills.

WORLD ISSUES WIS40S /WIS40G

This course looks at different ideologies and religions that make up the world. Terrorism, globalization, the environment, and human rights are a few topics that are examined. Emphasis is placed on current events. WIS40G examines content similar to the WIS40S course. The main distinction is the sophistication of assignments, tests, and slower pace at which the course progresses.

LE MONDE CONTEMPORAIN WIS40GF/40SF (WORLD ISSUES FR. IMMERSION)

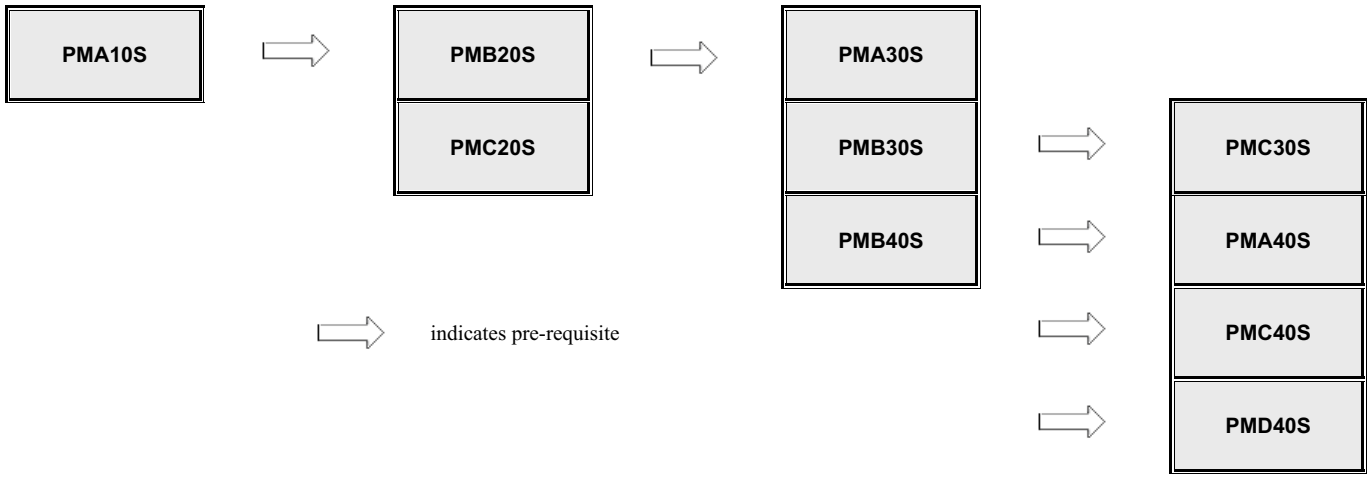
Ce cours analyse les topiques diverses des idéologies et religion qui font partis de notre monde. La globalisation, le terrorisme, l'environnement et les droits humains sont quelques topiques examinés en classe. La mise au point de ce cours est basée sur des actualités du monde.

HISTORY OF ROCK ROC 31G

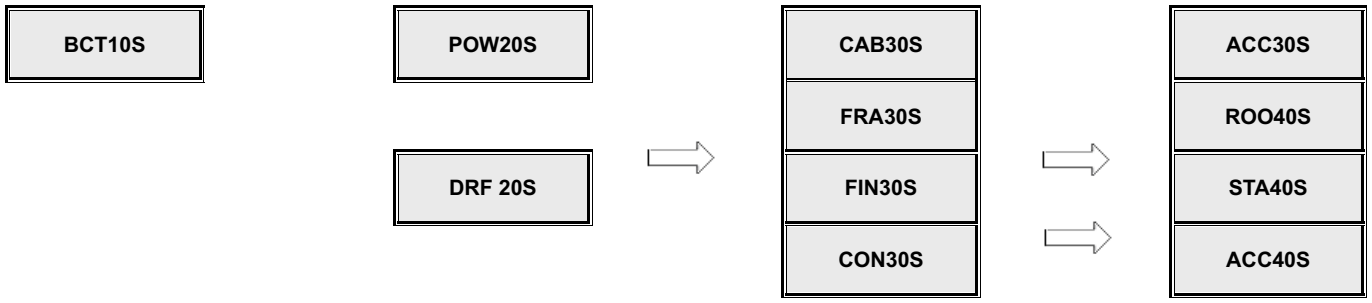
History or Rock is a full credit school initiated course. Students will examine the origins of Rock music from the Second World War to the present. The course requires students to participate in a public musical performance. There is a mandatory final exam.

VOCATIONAL

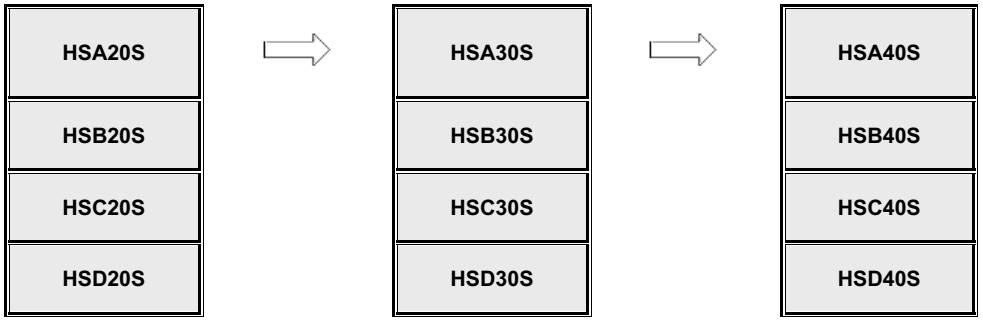
AUTOMOTIVE TECHNOLOGY



BUILDING CONSTRUCTION



HAIRSTYLING



BUSINESS EDUCATION/MARKETING

AUTOMOTIVE TECHNOLOGY

INTRODUCTION TO AUTOMOTIVE TECHNOLOGY (PMA10S)

enables the student to recognize the relationship between career and employment opportunities and the automotive technology program. This includes the safety procedures required, the tools and equipment used, and the mechanics of welding, soldering, tubing and hoses, fasteners and materials used in mechanical operations. The school will supply eye protection. This credit is the prerequisite to all other automotive technology credits.

ENGINE FUNDAMENTALS (PMB20S)

The student should be able to define an engine and identify the basic parts of the engine. The student should be able to explain engine operational theory relating to engine compression ratio, horsepower, volumetric efficiency, and mechanical efficiency. This involves identifying, testing and maintaining cooling, lubrication and ignition systems. This course is a prerequisite for PM30SC

CHASSIS THEORY AND SERVICE (PMC20S)

To develop in the student an understanding of suspension systems, steering and alignment. This will be evident through service procedures in wheel bearing, tire repair and wheel balancing, wheel alignment, and brake service, including disc and drum resurfacing. Safety and safe operating principles are stressed.

DRIVE TRAIN THEORY AND SERVICE (PMA30S)

The student should be able to define clutches manual transmissions, drive lines, drive axles, and differentials, and perform operations pertaining to all drive train components.

FUEL SYSTEMS AND TUNE UP (PMB30S)

The student will be able to define fuel systems and identify components of fuel systems using carburetors, fuel injection, mechanical and electric fuel pumps. Repair procedures include service of filters, supply lines, tanks, fuel gauges, and mechanical and electric fuel pumps. Introduction to computer controlled electronics, inputs, outputs, and sensors. This course is a prerequisite for all Senior 4 automotive technology courses.

ENGINE RECONDITIONING (PMC30S)

prerequisite (PMB20S) - To develop an understanding of engine overhaul diagnosis and engine replacement. Work related performance will be evident through diagnosis of problems and repair of cylinder heads, valves, pistons, rings, crankshaft and bearings, and engine blocks.

AUTOMATIC TRANSMISSIONS AND TRANSAXLES (PMA40S)

Prerequisite (PMB40S) – To develop an understanding of the operating principles of automatic transmissions and transaxles. Competency will be demonstrated by removal and installation of transmissions and transaxles and performing services to the transmission components.

AUTOMOTIVE ELECTRONICS (PMB40S)

Prerequisite (PMB30S) – The student should be able to define electrical current and pressure, AC and DC current relating to batteries, alternators and electrical components. The work related performance includes re-building starters, alternators and distributors and repairing lights, wiring harnesses and electronics.

CLIMATE CONTROL AND ACCESSORIES (PMC40S)

Prerequisite (PMB40S) – The student should be able to identify components of the car heater and air conditioning systems and diagnose and service components of the climate control system. The principles of refrigeration and heat exchanger systems are discussed.

DIAGNOSIS AND CORRECTION (PMD40S)

Prerequisite (PMB40S) – The student should be able to identify various engine testing instruments relating to basic engine problems in electrical fuel and emission control. Computerized fuel injection and related systems are discussed and work to correct problems in these systems is performed as encountered. The student must complete 40 practical job sheets to receive course credit. Due to the heavy practical load on the students , attendance is critical. Students who exceed more than 15 absences will not meet the practical shop requirement to earn credit in the course.

BUILDING CONSTRUCTION

BUILDING CONSTRUCTION 10S (BCT10S)

by designing and building projects students develop the following: drafting and layout skills, an understanding of the unique vocabulary of the woodworker, a proficiency in the use of basic hand tools, an ability to use some portable power tools , and an appreciation of procedures and material used in applying a finish.

DRAFTING 20S (DRF20S)

begins with an introduction to isometric and orthographic projections. The focus is on Architectural Drafting utilizing both manual and ACAD procedures. A study of framing techniques and the building codes is required and is reinforced with a study of blueprint reading. In addition to the standard “practice” draw-

ings, students will prepare a full set of working drawings for a residence.

POWER TOOLS 20S (POW20S)

because there is no prerequisite for this course, students start with basic drafting and hand tools but quickly progress to study the proper and safe operation of stationary power tools. Activities normally will include group projects for school or community use, both assigned and individually designed using basic wood joinery items.

CABINETS 30S (CAB30S)

Is a specialty branch of carpentry, leading to apprenticeship as a separate trade. Cabinet-makers work with kitchen cabinets, vanities, case goods, built in desks, work stations and entertainment units. The focus is on efficient layouts, precision machining and fine finishes.

CONCRETE 30S (CON30S)

The foundation course for general carpentry, offers students an introduction to one of the most versatile building materials, exploring the historical and modern uses of concrete in building foundations, floors, sidewalks, and specialty applications. The carpenter's role in building forms, placing and finishing concrete, and working with specialized mixtures will be followed.

FINISHING 30S (FIN30S)

Gives students exposure to the interior trim and millwork details in residential projects, door casings, baseboards, built-in features, flooring, feature wall paneling and other specialty items. Different hardwoods, laminates and hardware will be featured.

FRAMING 30S (FRA30S)

Explores the world of wood framing, the most common construction method for North American homes, focusing on the western platform system of framing, as well as looking at some alternatives such as timber framing and log construction. Tools, materials and methods used in the building industry will be covered.

ADVANCED CARPENTRY 30S (ACC30S)

Continues from either finishing or cabinet making and focuses on the basics of furniture building, from wood lawn furniture, chairs, tables, desks and other free-standing projects of the students' choice, from start to finish.

ROOF FRAMING 40S (ROO40S)

Is an advanced level of framing, focusing on rafters, roof trusses, dormers, eaves, gables and chimneys. Different roofing materials such as asphalt shingles, sheet metal, built-up flat roofs and cedar shakes will be studied.

STAIRS 40S (STA40S)

Is an advanced level of general carpentry dealing with stairs, landings and railings. Stair theory will cover interior and exterior stairs, decks, porches, gazebos, etc.

ADVANCED APPLICATIONS IN CARPENTRY (ACC40S)

This is a Grade 12 course with a prerequisite of Grade 11 courses which will concentrate on advances in materials and methods in the construction industry. CNC programming and application will form part of the course, as well as energy use and environmental issues in building systems.

HAIRSTYLING

HAIRSTYLING

Four option credits per year (12 credits total). This course is accredited by the Department of Apprenticeship and Training. Upon completion the student is qualified to work in any salon as an apprenticing hairstylist.

(NOTE: ALL HAIRSTYLING GRADS IN THE PROVINCE ARE REQUIRED TO DO THIS.)

GRADE 10

TERM 1 - Introduction to Hairstyling
TERM 2 - Basic Hairstyling
TERM 3 - Basic Hairstyling and Thermal Styling
TERM 4 - Related Salon Services

GRADE 11

TERM 1 - Permanent Waving and Straightening
TERM 2 - Haircutting
TERM 3 - Hair Colouring
TERM 4 - Hairstyling

GRADE 12

TERM 1 - Salon Management and Employability skills
TERM 2 - Advanced Hairstyling and Colouring
TERM 3 - Advanced Haircutting, Waving and Straightening.
TERM 4 - Certificate Preparation

BUSINESS EDUCATION/MARKETING

RETAILING 20S (RET20S)

Retailing 20S provides a basic introduction to the skills and practices required in job-entry level positions in retail merchandising. The course is appropriate to a wide range or abilities, and, as such, is useful as an overview of marketing for all interested students. Retailing 20S provides vocational preparation both for students seeking part-time and full-time retail employment.

In addition to covering material in the textbook, Retailing students work in the school store, Locker to Locker, during the noon hours and school dances. They receive a spare and/or marks in exchange for out of class time worked.

Locker to Locker provides a service to the students and staff by selling products in four department areas: Confectionery, School Supplies, Sportswear and Miscellaneous. Grade 10 Retailing students work under the supervision of Grade 12 Marketing students. Here they get practical experience in all aspects of working for a small retailing business.

BUSINESS RELATIONS 30S (BRL30S)

This course deals with relationship concepts that would be of special interest to marketing students in their study of people- centered activities. The course not only deals with interpersonal relationships on the job, but also with special relationships between employer-employee, employee-employee, salesperson-customer and vendor-buyer. In addition, the topics dealing with communication skills and personality help to make the course valuable to any student in the school. Students may be scheduled to work in the school store, if needed, in order to have the store open in more blocks during the day. Students may also be assisting in window displays in a semester where Promotions is not offered.

PROMOTIONS 30S (PRO30S)

Promotions 30S is designed to help students develop skills in the theoretical and practical applications of projects related to assessing needs, catering to appeals and meeting needs through advertising, display, personal selling and special activities. In addition to covering material in the textbook, Promotion students are responsible for creating window displays for Locker to Locker and may have the option of working in the school store.

MANAGMENT 40S (MAN40S)

Management 40S introduces students to leadership principles and practices in the management cycle of planning, organizing, directing, and controlling. As such, the course provides a systematic approach to handling routine activities, problem solving in business and personal life and is suited to any student.

MARKETING PRACTICUM 40S (MAR 40S)

Marketing Practicum provides job preparation in the school store, Locker to Locker. Students manage the store, performing all tasks including housekeeping, ordering, store stocking, pricing, training and supervising Retailing workers as well as maintaining financial records for the store.
Prerequisities: Managment 40S (concurrently) plus 2 other marketing courses.

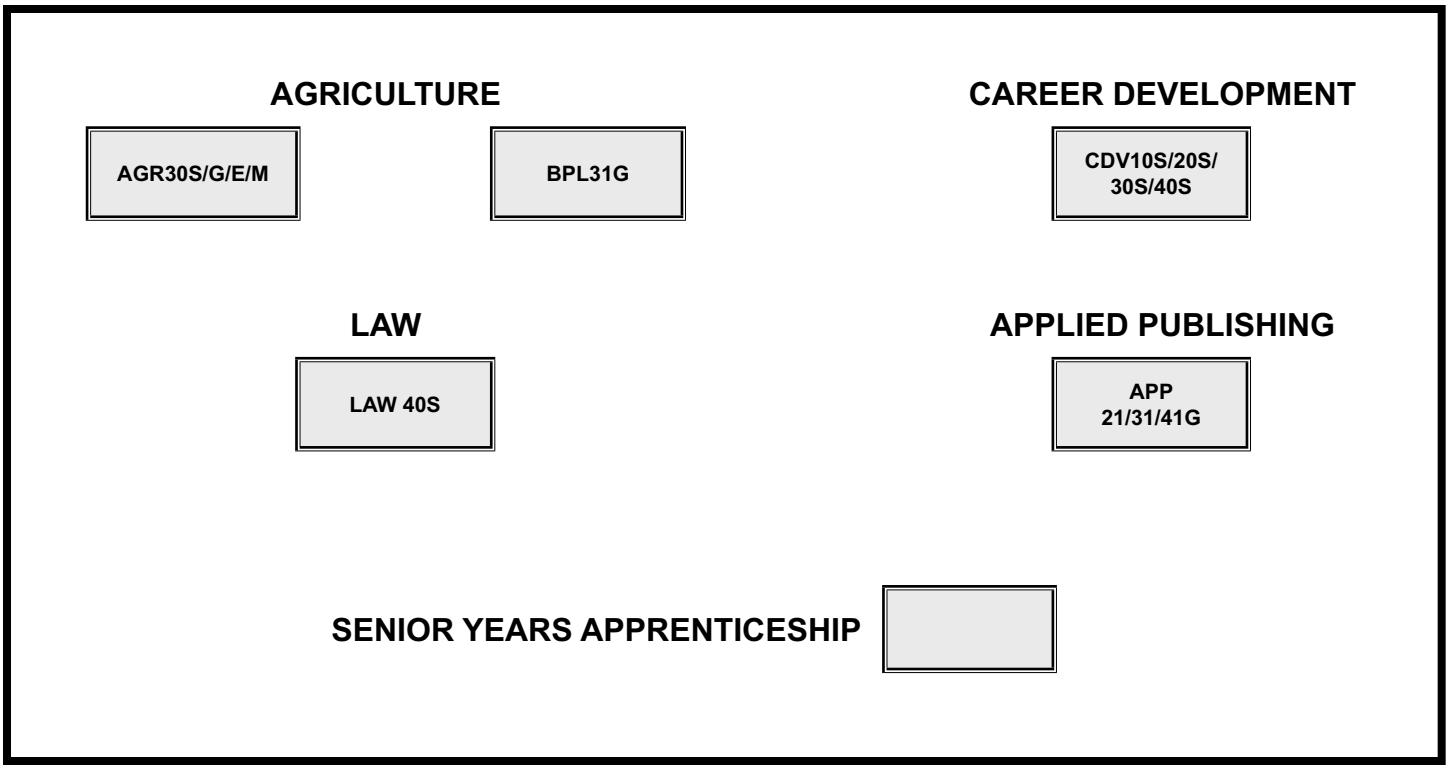
BUSINESS EDUCATION CERTIFICATE WITH A MAJOR IN MARKETING

Students who complete all 5 courses above are eligable for a Business Education Certificate with a Major in Marketing

TECHNOLOGY EDUCATION DIPLOMA IN MARKETING

Students who complete all 5 of the above Business course as well as any 3 of the following:
(1.0) Information & Communication Technology 10F, Desktop Publishing, Law 40S, Accounting Systems 40S, Accounting Principles 30S, Graphic Web Design (0.5Business credit), Interactive Media (0.5 Business credit), or Business 15G/25G,
are eligible for the Technology Education Diploma with a Major in Marketing.

SPECIAL INTEREST



AGRICULTURE

The agriculture course is a school-initiated program. It allows students to obtain up to eight supplemental academic credits (80 working hours plus 30 classroom hours = 110 hours) towards graduation. Students will receive one credit per each course completed to a maximum of eight credits.

AGRICULTURE AGR30S/G/E/M

These courses will expose the students to the various aspects of the agricultural industry It will examine soil management, animal production, plant production, farm planning, farm machinery operation, safety, and marketing.

BLUE PRINTS FOR LIFE/WORK DESIGN

This course helps the student develop a career life plan. With the accelerating workforce changes and impending skills shortages it is vital for the students to understand their goals and enable them to clarify and measure the outcomes they are striving to achieve.

SENIOR YEARS APPRENTICESHIP OPTION

Senior Years Apprenticeship Option (SYAO) combines Senior Years (high school) and on-the-job apprenticeship training. You can earn up to eight supplemental academic credits (110 working hours per credit) towards graduation and at the same time apply on-the-job work time towards continued apprenticeship training hours after you leave school. You must be 16 years of age to participate in the program. You also have to have a qualified employer to train you as an apprentice in one of 30+ trades that are offered. There is an Apprenticeship Agreement form to be completed by the student and the employer. To register the apprenticeship agreement, there is a $50.00 fee to the student.

The following are the trades that qualify for the Senior Years Apprenticeship Option:

INDUSTRIAL TRADES

Electric Motor Winder	Industrial Electrician
Industrial Instrument Mechanic	Industrial Welder
Industrial Mechanic (Millwright)	Machinist
Miner	Mould and Pattern Maker
Steel Fabricator	Tool and Die Maker

Mechanical Trades

Agricultural Equipment Technician
Automotive Machinist
Aircraft Maintenance Journeyperson
Heavy Duty Equipment Mechanic
Motor Vehicle Body Painter
Motor Vehicle Body Repair
Motor Vehicle Mechanic
Refrigeration & Air Conditioning Mechanic
Transport Trailer Technician
Truck and Transport Mechanic

Construction Trades

Bricklayer
Cabinetmaker
Carpenter
Concrete Finisher
Construction Electrician
Glazier
Crane & Hoisting Equipment Operator
Ironworker
Landscape Technician
Lather (Interior Systems Mechanic)
Painter and Decorator
Plumber
Roofer
Sheet Metal Worker
Sprinkler System Installer
Steamfitter-Pipefitter

Service Trades

Cook
Partsperson
Pork Production Technician

CAREER DEVELOPMENT (CDV10S/20S/30S/40S)

Provides students with the opportunity to earn up to 8 credits (max. of 4 a year) in doing a practical work experience in jobs, work sites and business of your choice. Explore careers you always wanted to try and get credit for it. Courses at the S2-3-4 level.

HEALTH CARE AIDE

Offered to students entering Gr. 12. Students need to complete all compulsory credits needed for graduation in the first semester. The second semester has students attend the Red River site at Southport for the Health Care Aide program. Please contact the Career Center for more information.

APPLIED PUBLISHING (YEARBOOK) (APP21/31/42G, 1/2 CREDIT)

The goal of Applied Publishing course is the completion of the school yearbook. Students will work on a part-time basis as needed gathering information, pictures, graphics and other materials. Using desktop publishing software students will help in the construction, layout and design of the yearbook. Some previous computer exprience is a definite asset when taking this course.

LAW 40S (LAW40S)

This course develops an understanding of the fundamentals of Canadian Law. Students will participate in discussions, individual and group work, analysis of cases and various legal matters. The emphasis of the course will be placed on criminal law and includes court visitations, videos, and guest speakers.

WEB CT

WEB CT is an internet based alternative instructional environment where students participate in online learning experiences to achieve credits in high school courses.
A teacher will deliver course material over the internet, in which students will be required to engage in regularly, using a computer from home or in a designated area of the school. The teacher will set the pace at twhich the course is to be completed, however students will have some fl exibility in their schedule. (ie. they may do the work in the evening or on weekends.)

WEB CT works well for students:

* who enjoy learning through the use of technology
* who have scheduling conflicts
* who may have to take a post secondary course online
* who need to leave school for extended periods of time
  (eg. athletes who often leave for games in the afternoon)

The following courses will be offered by WEB CT:

LAW40SW - LAW 40S

WIS40SW - WORLD ISSUES 40S

MAC40SW - MATH 40S

ACC40SW - ACCOUNTING 40S