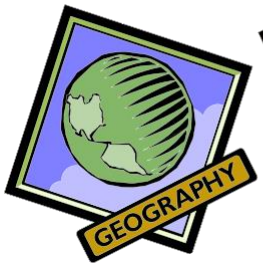
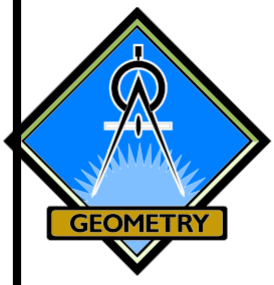
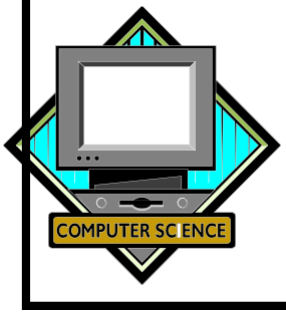


Course Descriptions

Course Subjects

English Language Arts
Mathematics
Sciences
Social Studies
Visual & Performing Arts
Physical Education & Health
Business Education
Career Studies
Information Communication Technology (ICT)
Languages
Vocational Studies





English Language Arts

English Language Arts 10F (ELA10F)
Credit Value: 1 credit
Prerequisite: none
The study of English Language Arts enables each student to understand and appreciate language, and to use it to confidently and competently in a variety of situations for communications, personal satisfaction and learning. English Language Arts 10F student will be ex-posed to a variety of language and communication forms. These forms include novels, oral communication, short stories, drama, poetry, articles, technical writing, and the media. This course will stress reading, writing, speaking, listening, viewing, and thinking skills.

READING IS THINKING 10S (RT10S)
Credit Value: 1 credit
Prerequisite: none
A transitional English Language Arts course designed to prepare grade 9 students for high school. Students will be provided with strategies to improve reading, writing and comprehension skills across the curriculum. This course will also assist learners in organization, study skills and establishing homework routines.

English Language Arts 20F (ELA20F)
Credit Value: 1 credit
Prerequisite: English Language Arts 10F
The emphasis in ELA 20F is on acquiring language and literacy skills through listening, speaking, viewing, and representing, as well as reading and writing. Students will learn to read and produce a wide range of texts, including media, transactional, and literary texts. In this course students will reflect upon and use prior knowledge to extend and enhance their language and understanding. This course addresses a variety of informal and formal discourse, including oral discussions, free-writing, letters, improvised drama, journals, reports, formal presentations, short stories, fiction, and poetry. Students will engage with and com-pose texts that inform, persuade, analyze, foster under-standing and empathy, reflect culture, express feelings and experiences and bring enjoyment.

READING IS THINKING 20S (RT20S)
Credit Value: 1 credit
Prerequisite: none
An English Language Arts course designed to focus on basic literacy skills for grade 10 students. Students will be provided with strategies to improve reading, writing and comprehension skills across the curriculum. Students will also be assisted with organization, study skills and reinforcing homework routines.

READING IS THINKING 30S (RT30S)
Credit Value: 1 credit
Prerequisite: Reading is Thinking 20S (RT20S)
An English Language Arts course that continues its focus on basic literacy skills for grade 11 students. Students will practice and implement the provided strategies to improve reading, writing and comprehension skills across the curriculum. Students will demonstrate their organization, study skills and reinforcing homework routines.

ELA: Comprehensive Focus 30S (ELA30S)
Credit Value: 1 credit
Prerequisite: English Language Arts 20F
In this course, students will develop a range of literacy skills that deepen their engagement with the appreciation of a variety of texts and help them function more effectively in their own lives, and in the global community. The language uses explored in the Comprehensive Focus include both pragmatic and aesthetic uses. This course addresses a variety of informal and formal discourse, ranging from oral discussions, free-writing, letters, improvised drama, and journals to reports, formal presentations, fiction, and poetry. Students will listen, speak, read, write, view and represent to explore thoughts, ideas, feelings, experiences, and comprehend and respond personally and critically to a variety of texts, manage ide-as and information, and celebrate and build community.

ELA: Transactional Focus 30S (ETF30S)
Credit Value: 1 credit
Prerequisite: English Language Arts 20F
The aim of ELA: Transactional Focus 30S is to introduce practical language used in newspapers, business communications, journals, magazines, advertising, etc. There is an emphasis on analytical skills, both oral and written. The student is expected to do considerable reading, writing and speaking.

ELA: Comprehensive Focus 40S (ELA40S)
Credit Value: 1 credit
Prerequisite: any ELA 30
The purpose of ELA: Comprehensive Focus 40S is to further develop student control of language. Students will explore and will compose aesthetic and pragmatic texts in approximate balance. The course provides students with opportunities to explore and produce a broad range of texts along the whole continuum of pragmatic, expressive and aesthetic language uses. Because an emphasis of the course is style, the course offers students a broad range of language experiences in literature (short stories, novels, journalism), transactional (reports, research papers), poetry (the sonnet, the ballad, modern, etc.), drama (reader's theatre, mimes, improvisation), and technical communication.

ELA: Transactional Focus 40S (ETF40S)
Credit Value: 1 credit
Prerequisite: any ELA 30
The focus of this elective is 70% pragmatic and 30% aesthetic. Transactional language refers to those forms of communication with a pragmatic purpose; purposes most commonly associated with the world of words, research, consumerism, journalism, pop culture and education. The aim of ELA: Transactional Focus 40S is to examine and compare practical language used in newspapers, business communications, journals, magazines, advertising, etc. There is an emphasis on analytical skills, both oral and written. The student is expected to do considerable reading, writing and speaking.

ELA: Literary Focus 40S (ELL40S)
Credit Value: 1 credit
Prerequisite: any ELA 30
The Grade 12 Literary focus emphasizes aesthetic purposes and texts. The texts to which students listen and those they read and view are approximately 70% aesthetic in purpose and 30% pragmatic. Pragmatic texts are selected as they present themselves in the process of inquiry into aesthetic texts, or as students explore sources for their own creative work. While students work as poets, playwrights, video producers, or fiction writers most of the time, they also have opportunities to compose for pragmatic purposes in the natural course of their work. This course involves an intensive study of various forms of literature: short stories, novels, plays, poetry, and film.

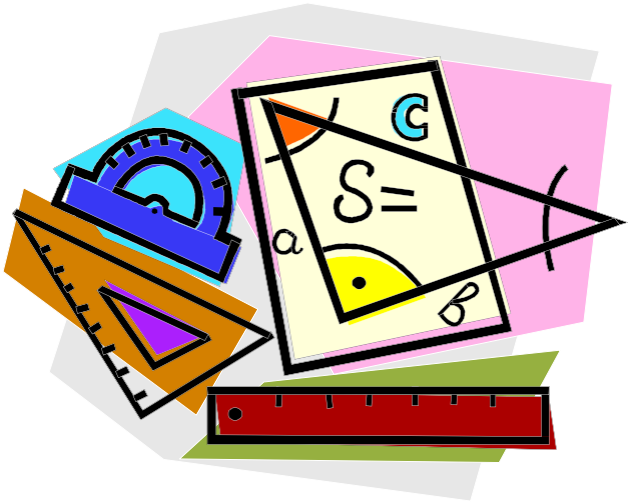
Mathematics

Transitional Mathematics 10F (MAT10F) -3923
Credit Value: 1 credit
Prerequisite: none
This course is for students who need to develop skills for mathematics 10F. Students improve attitudes towards learning, motivation, mathematical skill, communication and work skills. Students will be expected to demonstrate mathematical understanding, thinking and communication and behaviors such as responsibility, learning, effort, perseverance, respect for self and others. (Transitional Mathis cannot be used as the compulsory math. Students taking Transitional Math must also complete Foundations Math (0080) to meet graduation requirements.)

TRANSITIONAL MATH and GRADE 9 MATH Combination – (MAT10F & MAT10F)
Credit Value: 2 credits
Prerequisite: none
These courses are designed for students who have struggled with Math in previous years and would benefit from additional time to first review previous content before learning the grade 9 content. Students will take math in both semesters and receive two credits. The additional practice helps students make the transition from Grade 8 mathematics to Grade 9 mathematics.

Mathematics 10F (MAT10F)
Credit Value: 1 credit
Prerequisite: none
Mathematics 10F is a foundation course designed to assist students in developing their ability to communicate mathematically. The course is divided into a series of strands: Statistics, Number Sense, Powers, Polynomials, Linear Relations, Circle Geometry, Geometry, Probability and Transformations. The general outcomes for the new grade 9 math curriculum allow for more hands on activities to promote concrete understanding of concepts. It also allows the student more time to focus on developing problem solving skills. Finally, it enables students to move on with deeper understanding of mathematics.

Essential Mathematics 20S
(MAE20S) Credit Value: 1 credit
Prerequisite: Mathematics 10F
Consumer Mathematics 20S is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Consumer Mathematics emphasizes consumer applications, problem solving, decision making, as well as number sense and number use. Topics include: wages, salaries, and expenses; banking services; computer spreadsheets; making sound consumer decisions; and using sampling and probability techniques to solve problems.

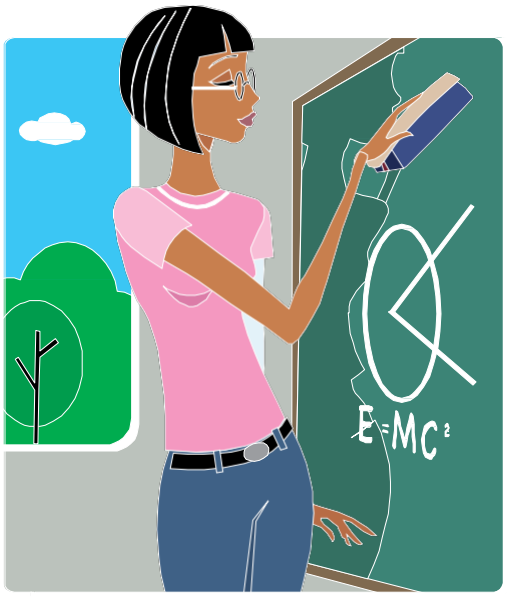


Introduction to Applied and Pre-Calculus Mathematics 20S (APM20S)
Credit Value: 1 credit
Prerequisite: Mathematics 10F
Introduction to Applied and Pre-Calculus Mathematics 20S provides students with mathematical understanding and critical-thinking skills that have been identified for specific post-secondary programs of study. The topics studied form the foundation for topics to be studied in both Grade 11 Applied Mathematics and Grade 11 Pre-Calculus Mathematics. Components of the curriculum are both context driven and algebraic in nature. Students will engage in experiments and activities that include the use of technology, problem solving, mental mathematics, and theoretical mathematics to promote the development of mathematical skills.

Essential Mathematics 30S (MAE30S)
Credit Value: 1 credit
Prerequisite: Essential Mathematics 20S
Essential Mathematics 30S is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Consumer Mathematics emphasizes consumer applications, problem solving, decision making, as well as number sense and number use. Topics include: income and debt; data analysis; owning and operating a vehicle; measurement technology; relations and formulas; applications of probability; personal income tax; and preparing a business plan.

Applied Mathematics 30S (MAP30S)
Credit Value: 1 credit
Prerequisite: Applied Mathematics 20S
Applied mathematics is one of two courses designed to prepare students for post-secondary education in math and science related fields. Applied mathematics is the more techno-logical based of the two courses, and covers many of the same topics as Pre-Calculus, but with less focus on algebra, and more on applications. Graphing, data collection, laboratory activities are incorporated to provide students with a broad base of knowledge that will be built upon in future courses. Some of the topics include linear inequalities, quadratic functions, spreadsheets, and data analysis. This course requires the purchase of a graphing calculator.

Pre-Calculus Mathematics 30S (MAT30S)
Credit Value: 1 credit
Prerequisite: Introduction to Applied and Pre-Calculus Mathematics 20S
Pre-Calculus Mathematics 30S introduces students to quadratics, trigonometric equations, factoring, rational, polynomial, and radical functions. It is intended for students who plan to pursue a math based area of study in a post-secondary level.



Pre-Calculus Mathematics 40S (MAT40S)
Credit Value: 1 credit
Prerequisite: Pre-Calculus Mathematics 30S
Core topics include graphing polynomials, trigonometry, geometric sequence, logarithms, probability, and permutations and combinations. It is designed to provide students with sufficient background to pursue an education at the post-secondary level that includes science, and math related outcomes (engineering, statistics)

Applied Mathematics 40S (MAP40S)
Credit Value: 1 credit
Prerequisite: Applied Mathematics 30S
Applied Mathematics 40S is the more technological based of the two courses, and covers many of the same topics as Pre-Calculus, but with less focus on algebra, and more on applications. Graphing, data collection, laboratory activities are incorporated to provide students with a broad base of knowledge that will be built upon in future courses. Some of the topics include matrices, finance, design and measurement, and sequence and series. The course culminates with a provincial final exam worth 30% of the final grade. This course requires the purchase of a graphing calculator.

Essential Mathematics 40S (MAE40S)
Credit Value: 1 credit
Prerequisite: Essential Mathematics 30S
Essential Mathematics 40S is a continuation of the Essential Math 30S program. Core topics include Personal Finance, Design & Measurement, Government Finances, Investments, In-come Taxes, Variation & Formulas, Career Research, & Statistics. The course is set up to give students the knowledge and hands-on skills to deal with life tasks and make good life decisions. Students will be required to use number skills, reasoning, problem solving, and communication skills. Students write a 3-part provincial exam in this course which is made up of a project, portfolio, and written exam.

Sciences

Science 10F (SCI10F)
Credit Value: 1 credit
Prerequisite: none
Science 10F is an introduction to a variety of topics including genetics and heredity, chemistry, electricity and the universe. The course offers many hands on activities and opportunities to explore science related issues. Students will have an opportunity to develop scientific literacy. A combination of science-related attitudes, skills, and knowledge to develop inquiry, problem-solving, and decision-making abilities.

Science 20F (SCI20F)
Credit Value: 1 credit
Prerequisite: Science 10F
Science 20F is a general science course that covers topics from the areas of Biology, Chemistry and Physics. Topics in this course include Chemical Reactions, Motion, Weather and Ecology. Students will have an opportunity to develop scientific literacy. A combination of science-related attitudes, skills, and knowledge to develop inquiry, problem-solving, and decision-making abilities.

Current Topics in Science 30S (0139)
Credit Value: 1 credit
Prerequisite: Science 20F (SCI20F)
Current Topics in the Sciences 30S provides the basis for learning, teaching, and assessing science in a topical and interdisciplinary manner. Multidisciplinary topics based on current issues serve as the organizing themes for this course, in which scientific knowledge and its implications are presented in a unified manner, integrating the areas of biology, chemistry, physics, the geosciences and the space sciences. The course shifts the focus from teaching concepts and facts to teaching critical thinking and problem-solving skills developed through the study of a particular topic, from which key concepts and facts will evolve naturally from the context at hand.

Biology 30S (BIO30S)
Credit Value: 1 credit
Prerequisite: none
Students will learn about the different body systems in Biology 30S. They will identify the various structures of the body and describe their function. Students will learn how every-day decisions can affect the systems of the body.

Biology 40S (BIO40S)
Credit Value: 1 credit
Prerequisite: Biology 30S (BIO30S)
Students will learn about Genetics and Biodiversity in Biology 40S. In the Genetics section, they will develop their understanding of inheritance and the mechanisms of inheritance. In the Biodiversity section, they will learn about the evolution and organization of organisms.

AGRICULTURE 30S
Credit Value: 1 credit
Prerequisite: none
The course is taught from a science perspective and is designed to give students more of an understanding about the various disciplines with the area of agriculture. The year begins with plant science. Students study the anatomy and physiology of plants, they learn about Manitoba soils, weather affecting agriculture, the technology of plant production and about Manitoba crops. Animal science is next with students learning animal nutrition, animal husbandry, the technology of animal production and about Manitoba livestock. A section on agriculture engineering covers farm machinery, the farm workshop and buildings, and machines used for plant and animal production. The year finishes with horticulture - including landscaping and plant propagation (students learn how to grow a variety of plants from seed cuttings).

HORTICULTURE 30S
Credit Value: 1 credit
Prerequisite: none
These courses will provide students with skills that can be applied to their personal or professional lives. An overview of soil, basic plant structures, greenhouse management and landscaping will be integrated with vegetable and flower production. The attached greenhouse will be used extensively in plant production and management. Students will be required to complete labs, research projects and daily assignments. In addition, field trips and work experience will be essential components of this program.

HORTICULTURE 40S
Credit Value: 1 credit
Prerequisite: HORTICULTURE 30S
This course will build on the skills and knowledge acquired in the 30S program. Topics that will be covered - analyzing soils, application of fertilizers and soil amendments, plant structure and physiology, caring and maintenance of grounds, pesticides, herbicides, insecticides, nursery crop production-grafting, budding and pruning, and greenhouse management.

Chemistry 30S (CHE30S)
Credit Value: 1 credit
Prerequisite: Science 20F
The Chemistry 30S course covers five main units of study: Physical Properties of Matter, Gases and the Atmosphere, Chemical Reactions, Solutions, and Organic Chemistry. Physical and chemical properties and trans-formations are compared through a series of demonstrations and lab experiments. The mathematical aspect of chemistry, the concept of the mole, and the rules of nomenclature make this course challenging. Strong math and organizational skills are required to do well in this course.

Chemistry 40S (CHE40S)
Credit Value: 1 credit
Prerequisite: Chemistry 30S
Chemistry 40S is a continuation/extension of the Chemistry 30S course. Concepts learned in 30S are applied to the study of reaction rates, chemical equilibrium, acid-base equilibrium, solubility equilibrium, and oxidation- reduction reactions. Independent laboratory and math skills are essential for success in this challenging course.

Physics 30S (PHY30S)
Credit Value: 1 credit
Prerequisite: Science 20F
Physics is the most basic and fundamental of all the sciences. Physicists want to understand how things work. This includes everything from electrons to the universe itself. In this introductory course, students will study experimental techniques, motion, forces, fields, waves and radiation. Problem-solving, critical thinking and the science of everyday life are all key components to the course. It is strongly recommended that students taking PHY30S have successfully completed Intro to Applied and Pre-Calculus Mathematics 20S as strong math skills are essential to be successful in the study of physics.

Physics 40S (PHY40S)
Credit Value: 1 credit
Prerequisite: Physics 30S
Physicists combine critical-thinking and creativity to understand the relationships and interactions in the world that surrounds us. As an extension of Physics 30S, this course enables students to further their scientific literacy through the study of experimental techniques, motion, forces, fields, and light. It is strongly recommended that students taking Physics 40S have successfully completed Applied Mathematics 30S or Pre- Calculus 30S as strong mathematical skills are essential to be successful in the study of Physics.

Social Studies

Social Studies 10F (SOC10F)
Credit Value: 1 credit
Prerequisite: none
Social Studies focuses on the opportunities and challenges at the core of Canada's contemporary plurality. This course covers such topics as Canadian Identity, multiculturalism, regional disparity, government, the legal system, and the role Canada plays in the Global con-text.

Geography 20F (GEO20F)
Credit Value: 1 credit
Prerequisite: none
This course focuses on the study of North America. Students will study the relationship between geography and sustainable development and how this affects people in Canada and the United States.

History of Canada 30F (HISR3F)
Credit Value: 1 Credit
Prerequisite: Geography 20G
The Grade 11 History of Canada (30F) curriculum supports citizenship as a core concept and engages students in historical inquiry. Students focus on the history of Canada from pre-contact times to the present. Through this process students think historically and acquire enduring understandings related to the following five themes in Canadian history:
1. First Nations, Metis, and Inuit Peoples
2. French-English Duality
3. Identify, Diversity, and Citizenship
4. Governance and Economics
5. Canada and the World

The course is divided into 5 clusters: The First Peoples and Nouvelles France (before 1763); British North America (1763-1867); Becoming a Sovereign Nation (1867-1931); Achievements and Challenges (1931-1982); Defining Contemporary Canada (1982 to present).

Geography: Physical 30S (1124)
Credit Value: 1 Credit
Prerequisite: Geography 20F
Students will gain an understanding of their physical surroundings and how they affect their activities in this course. The course deals with the study of maps – earth as a planet, forms of the earth and climate. It also deals with the study of man's relationship to climate, economic activities and population.

Current Topics in First Nations, Metis and Inuit Studies 40S (ABSR4S)
Credit Value: 1 Credit
Prerequisite: None
This is a full-credit course intended for Grade 12 students, which examines Indigenous realties within contemporary and historic Canadian and global settings. The course is inclusive of the traditional values and worldviews of First Nations, Metis, and Inuit peoples. The objective of "Current Topics in First Nations, Metis, and Inuit Studies" is to provide both Indigenous and non-Indigenous students with knowledge of Indigenous cultures and traditions, and to encourage Indigenous students to take pride in the accomplishments of their peoples. This knowledge will enable Indigenous students to participate meaningfully as citizens of their cultural community, of contemporary Canadian society, and as active and engaged global citizens. Non-Indigenous students will become knowledgeable of the world views, histories, cultures, and accomplishment of Indigenous peoples, and thus be able to engage in an informed and empathetic manner in debates concerning Indigenous issues at local, national, and global levels.
Units of Study include:

1. Image and Identity
2. First Nations, Metis, and Inuit Relations with Government
3. Towards a Just Society
4. Indigenous Peoples and the World
5. A Festival of Learning (Independent Study Project)

This course may be taken by Grade 11 or Grade 12 students.

Psychology 40S (PSYR4S)
Credit Value: 1 Credit
Prerequisite: Grade 11 and 12 students only
Psychology is an introduction to the field of Psychology and the major theorists who have influenced past and current research. General topics include: Perception, Consciousness, Memory Learning, Intelligence, Human Development, Personality, Stress, Abnormal Behavior, Theories and Therapies.

Global Issues: Citizenship & Sustainability 40S (GIS40S)
Credit Value: 1 credit
Prerequisite: none
Global Issues focuses on current issues around ideologies, war and terrorism, international relations, energy and the environment, and economic development. Students will develop a greater understanding of the historical, current, and future implications of world issues. They will learn to analyze the effects of world issues on quality of life within different political, social, and economic systems. Students will explore various perspectives and gain informed opinions on world issues.

Cinema 40S (CIN40S)
Credit Value: 1 credit
Prerequisite: none
This course will engage Grade 12 social studies students in an exploration of the connections between film, history, society, and culture. Students will view and analyze films as artifacts of their culture of origin, reflecting on films about history and films as history. They will critically analyze the role of film in interpreting the defining themes of 20th century history (e.g., war, power, revolution, ideology, racism, gender, propaganda, technology). Students will also reflect on the role of film in shaping their own historical consciousness.

Law 40S (LAW40S)
Credit Value: 1 credit
Prerequisite: none
This credit is an introduction to the Canadian legal system. It is designed to enable the students to discover their relationship to the law, their legal rights and obligations, and how the law affects them now and in the future. The course deals with crimes, torts, the system of the courts, trial procedures, contracts and family law. Students should develop an appreciation for the need for law and the reason why law must develop and change. Developing a tolerance and sensitivity toward others as well as practicing the skills of a reasonable and empowered citizen are goals of the program. Court and jail visits and visits by various individuals involved in the practice of law or law enforcement are designed to give the students enrolled a practical first-hand experience. The final mark consists of chapter tests, assignments, a project based on student choice, and final exam if necessary.

Peer Assistance 41G
Credit Value: 1 credit
Prerequisite: none
This course introduces students interested in pursuing a career in "human services" to some of the aspects of this field of work. Students develop an understanding of the skills and abilities required to work in human services. Students gain an awareness of various disabilities through instruction and practicum working with students and disabilities. Through one - on - one tutoring, students will be given an opportunity to put into practice theory taught in the instruction portion of the course.

Visual & Performing Arts

Art 10G (ART10G)
Credit Value: 1 credit
Prerequisite: none
This course is a general introduction to the subject of art. The students will learn about the elements of design through various in class assignments and weekly sketching assignments. Students will be exposed to a number of different mediums and techniques such as pencil
sketching, charcoal and acrylic paint. Students will explore line, value, space, color, design and grids. Students will also study famous artists and their works in art history.

Art 20G (ARTR2G)
Credit Value: 1 Credit
Prerequisite: Art 10G would be an advantage, but not mandatory.
This course is based on the Senior High Art Curriculum Guide. It focuses on extensive work in Art Process, Production, Critical Appreciation, Design and Media Technique. Students are expected to have some self-direction and spend some out of class time on Art Production. At this level the student will gain greater expertise and confidence in their artistic knowledge and capabilities with a great deal of teacher direction. Students who choose this course may further their studies by taking Art 30G. Homework should be expected.

Band 10G (BANR1G)
Credit Value: 1 credit
Prerequisite: Grade 8 Level of performance/skills on a band instrument
Students will develop musical skills in a band situation. All students enrolled in this option are expected to take part in the Grade 9 Band performing group. Students will participate in a minimum of three concert performances throughout the year, and perform music at a grade 3 level. Students' skills will be developed in the areas of theory, sight-reading, group performance, small ensemble performance, discovery of historical styles, group skills and overall music appreciation. **As a precursor, students who choose this course may further their studies by taking Jazz Band 10G.**

Band 20G (BANR2G)
Credit Value: 1 Credit
Prerequisite: Band 10G or Level 3 Performance Skills on a Band Instrument
Students will develop musical skills in a band situation. All students enrolled in this option are expected to take part in the Senior Concert Band performing group. Students will participate in a minimum of three concert performances throughout the year and perform music at a grade 3.5 level. Student skills will be developed in the areas of Theory, Sight-Reading, Group Performance, Small Ensemble Performance, Discovery of Historical Styles, group skills, and overall music appreciation. Students who choose this course may further their studies by taking Jazz Band 20G.

Band 30S (BANR3S)
Credit Value: 1 Credit
Prerequisite: Band 20G, Level 3.5 Performance Skills on a Band Instrument
Students will develop musical skills in a band situation. All students enrolled in this option are expected to take part in the Senior Concert Band performing group. Students will participate in a minimum of three concert performances throughout the year and perform music at a grade 4 level. Student skills will be developed in the areas of Theory, Sight-Reading, Group Performance, Small Ensemble Performance, Discovery of Historical Styles, Group Leadership and overall Music Appreciation. Students who choose this course may further their studies by taking Jazz Band 30G.

Band 40S (BANR4S)
Credit Value: 1 Credit
Prerequisite: Band 30G, Level 4 Performance Skills on a Band Instrument
Students will develop musical skills in a band situation. All students enrolled in this option are expected to take part in the Senior Concert Band performing group. Students will participate in a minimum of three concert performances throughout the year and perform music at a grade 5 level. Student skills will be developed in the areas of Theory, Sight-Reading, Group Performance, Small Ensemble Performance, Discovery of Historical Styles, Group Leadership and overall Music Appreciation. Students who choose this course may further their studies by taking Jazz Band 40G.

Drama 11G (DRMR1F)

Credit Value: 1 Credit

Prerequisite: None

Drama at all four Senior levels, is based on the new Manitoba Drama Curriculum. It is an outcome-based course that draws upon skills, techniques, attitudes and performance-knowledge pulled from each "wing' of the "Arts Butterfly". This course emphasizes mutual respect, promptness and group responsibility through the use of improvisational techniques, scene/play analysis and group/individual rehearsal process. This gives students the opportunity to receive one-on-one instruction, which allows for immediate and personal feedback, which is essential to the developmental process of the actor's craft. As part of the class, students are expected to perform for peers, for the school and in the community.

Drama 20G (DRMR2F)

Credit Value: 1 Credit

Prerequisite: Drama 11G

The Drama course, in each of its four grade levels, is based on a spiral curriculum. As students return to a concept, skill or task, their experiences will be built on previous learning. The result will be an ever-increasing maturity of dramatic skills. This course continues to refine these skills and builds upon them by emphasizing how they culminate in a finished product. This course emphasizes mutual respect, promptness and group responsibility through the use of improvisational techniques, scene/play analysis and group/individual rehearsal process. As part of the class, students are expected to perform for peers, for the school and in the community. Students will help produce and may act in a major dramatic play at the end of the academic year. Students will also learn the rudiments of theatrical production such as Sound Production, Stage Fighting, Costuming, Set Design/Construction as well as those of Promotion, Advertising and Front-of-House/Stage Management. Students who choose this course may further their studies by taking Drama 30S.

GUITAR 20G
Credit Value: 1 credit each
Prerequisite: none (Open to Grade 9 Students)
This is an acoustic guitar program designed to teach the basic skills of guitar playing. No previous background in guitar or music is required to take this course. The curriculum will contain an introduction and constant study of chords, music notation and their application to the guitar. There will also be small ensemble work and performance opportunities. The program involves the learning of basic classical guitar techniques, open string chords, reading notation, and ensemble playing experience. Evaluation is continuous throughout the semester with a mixture of written and practical playing assignments. The final grade is the cumulative mark of all tests and assignments.

GUITAR 30S
Credit Value: 1 credit each
Prerequisite: GUI20G GUI40S
This is an acoustic guitar program designed to teach intermediate skills of guitar playing. The curriculum will contain a constant study of music notation and their application to the guitar. There will also be small group ensemble work and performance opportunities. The program involves the learning of open and closed string chords, scales, reading notation, and ensemble playing experience. Students must provide their own acoustic guitars. Evaluation is continuous throughout the semester with a mixture of written and practical playing assignments. The final grade is the cumulative mark of all tests and assignment.

GUITAR 40S
Credit Value: 1 credit each
Prerequisite: none
Students will receive instruction and gain practical playing experience in rock, blues, contemporary, jazz and country music playing styles. They will learn how to improvise using a variety of scales and chord patterns. The student will continue to improve their note reading ability through applied concept application. Students must provide their own electric and acoustic guitars. Evaluation is continuous throughout the semester with a mixture of written and practical playing assignments. The final grade is the cumulative mark of all tests and assignments.

Physical Education and Health

Physical Education 10F (PED10F)
Credit Value: 1 credit
Prerequisite: none
The Physical Education 10G course will concentrate on the rules, strategies, and skills required for a variety of team and individual sports with an emphasis on participation. The course is set up around the five general learning outcomes (Movement, Fitness Management, Safety, Personal and Social Management, and Healthy Lifestyle Practices) outlined in the Provincial Physical Education/Health Education Curriculum.

Physical Education 20F (PED20F)
Credit Value: 1 credit
Prerequisite: none
Students have the opportunity to create their own physical education plan. Participant choices include a variety of team and individual sports/activities and health components that are taught in the school gymnasium, outdoors, and in local community facilities. All activities are participation based with the focus being on the five general learning outcomes (Movement, Fitness Management, Safety, Personal and Social Management, and Healthy Lifestyle Practices) outlined in the Provincial Physical Education/Health Education Curriculum.

Physical Education 30F (PED30F) & Physical Education 40F (PED40F)
Credit Value: 1 credit each
Prerequisite: none
These compulsory courses are designed to help students take greater ownership of their own physical fitness, promote the discovery of activities suited to their own individual interests, and encourage active lifestyles that persist into their futures. Students will focus on the five general learning outcomes (Movement, Fitness Management, Safety, Personal and Social Management, and Healthy Lifestyle Practices) outlined in the Provincial Physical Education/Health Education Curriculum. Students are required to do a minimum of 30% of their course as an “In-Class” component. For the remaining 70% of the course, students may develop and implement on their own time, a personal physical activity plan as part of a physical activity practicum.

As part of the course requirements, all participants will be required to develop and submit a personal fitness portfolio containing their fitness plan, risk management plans, and physical activity logs. Upon meeting the course requirements, students will be graded using a Standing or Incomplete designation.

Recreational Leadership 11G (PHEY1G)
Credit Value: 1 Credit
Prerequisite: None
Students in this course should have a genuine interest in Physical Education. Students will learn how to run special whole-school events and intramurals. Students will be in the classroom and in the gymnasium to experience fundamental skills in tournament scheduling and special school event activities. Classroom work will consist of reflective journals, written tests and assignments. Students will be required to volunteer 50 hours of Community Service work. Volunteer hours include working at cross-country meets, indoor track meets, outdoor track meets, swim meets, soccer tournaments, volleyball and basketball tournaments.

HOCKEY 11G (1 CREDIT)
Credit Value: 1 credit each
Prerequisite: none
The goal of the course is to provide a program that will meet the individual learning needs of highly motivated students. The program will deliver an intense program of learning outcomes delivered through a variety of meaningful instructional strategies. Students will commit to improving their hockey knowledge and skills through participation on-ice sessions, classroom theory activities, dry land and cross-training sessions and video analysis. The hockey instruction is based on the following areas of study:
A. Theory Areas
1. Study of International Hockey
2. Issues in Canadian Hockey
3. Sports Psychology
4. Dry land Training
5. Fitness Training/Testing
6. Safety
B. Technical Areas
1. Fundamental Skill Development
2. Power Skating
3. Individual tactics
4. Team Tactics
5. Position Specific Skills and Strategies
6. Team Play Systems
7. Special Team Systems
C. Dry land Training Areas
1. Weight Training
2. Skill Stations
3. Circuit Training
4. Cross Training
5. Fitness Testing

HOCKEY 21G (1 CREDIT)
Credit Value: 1 credit each
Prerequisite: none

The goal of the course is to provide a program that will meet the individual learning needs of highly motivated students. The program will deliver an intense program of learning outcomes delivered through a variety of meaningful instructional strategies. Students will commit to improving their hockey knowledge and skills through participation on-ice sessions, classroom theory activities, dry land and cross-training sessions and video analysis. The hockey instruction is based on the following areas of study:

A. Theory Areas
1. Study of International Hockey
2. Issues in Canadian Hockey
3. Sports Psychology
4. Dry land Training
5. Fitness Training/Testing
6. Safety

B. Technical Areas
1. Fundamental Skill Development
2. Power Skating
3. Individual tactics
4. Team Tactics
5. Position Specific Skills and Strategies
6. Team Play Systems
7. Special Team Systems

C. Dry land Training Areas
1. Weight Training
2. Skill Stations
3. Circuit Training
4. Cross Training
5. Fitness Testing

Health Education Only 10F/20F/30F/40F (9830)
Credit Value: Not a Credit Course
Prerequisite: None.
This course is not for credit but still valuable as if focusses on the “Health” education only part of the Physical Health Education Course.

BUSINESS EDUCATION

Futures in Business 15G (FUBR1G)
Credit Value: 0.5 Credit
Prerequisite: None
Futures in Business is a half-credit course. This course is designed to provide students with skills and knowledge that help them to become active participants in the local business community and make a successful transition from school to work. Students will cover the following topics: Introduction to Business, Money Management, Stock Market, Communications and Career Development.

RETAILING 20S (RET 20S)
Credit Value: 1 Credit
Prerequisite: None
In this course, you will learn how to operate a cash register (in our school store), how to merchandise products, and how to deal with customers. This course will assist you in finding a part-time or full-time job. You will also develop skills necessary for your success in the workplace.

Start Your Own Business 25G (1225)
Credit Value: 0.5 credit each
Prerequisite: none
This course is designed to contribute to the growth and development of students and to emphasize skills that will assist young people to plan and start small businesses.

Visions and Ventures: Entrepreneurship 30S (1277)
Credit Value: 1 credit each
Prerequisite: none
Students will be given the opportunity to develop business communication and creativity skills, research ideas, organize and launch a business, create a formal business plan and evaluate their success.

PROMOTIONS 30S
Credit Value: 1 credit each
Prerequisite: none
In this course, you will learn how to develop promotional materials for yourself or a fictitious company. You will develop a portfolio (resume, awards, certificates, community involvement, etc.) and present this in a simulated interview situation. You will also develop skills necessary for your success in the workplace.

RELATIONS IN BUSINESS 30S
Credit Value: 1 credit each
Prerequisite: none
In this course, you will learn how to develop relationships within the workplace with your co-workers, supervisors, managers, etc. You will have an opportunity to take personality tests and assess yourself. You will also develop skills necessary for your success in the workplace.

ACCOUNTING PRINCIPLES 30S
Credit Value: 1 credit each
Prerequisite: none
Accounting 30S is an introductory-level course for students who want to learn about manual accounting systems. Accounting is essential for banking, investing, saving and consumer decisions as well as entrepreneurial pursuits. Many entry-level occupations require a basic knowledge of accounting.

ACCOUNTING SYSTEMS 40S
Credit Value: 1 credit each
Prerequisite: none
Accounting Systems 40S expands on topics covered in Accounting Principles 30S. Topics covered include: review of accounting principles; merchandise purchase and sales; merchandise payments and receipts; adjusting and closing entries; inventory systems; computer application packages (general ledger, accounts receivable, accounts payable, inventory, and payroll), analyzing and interpreting Financial Statements and special transactions. The purpose of Accounting Systems 40S is to prepare students for a junior clerical accounting job or for further study at post-secondary institutions. Simulations are used to give students actual experience doing the complete accounting cycle for one accounting period.

MANAGEMENT 40S (MAN40S)
Credit Value: 1 credit
Prerequisite: none
In this course, you will learn about labor laws & employment standards, human rights, workplace safety & health, communications, customer service, assertiveness, conflict, stress management, discrimination/harassment, ethics, theft, and unions. You will write a business plan with a cash flow projection. You will also develop skills necessary for your success in the workplace.

MARKETING PRACTICUM 40S (MAR40S)
Credit Value: 1 credit
Prerequisite: none
In this course, you will learn about marketing and promoting services and products for a fictitious company or a non-profit organization. You will write a marketing plan with a cash flow projection. You will also develop skills necessary for your success in the workplace.

ECONOMICS 40S
Credit Value: 1 credit
Prerequisite: none
Economics course is intended to provide students with:
- skill development in the area of business education,
- provide them with basic information about economic system,
- provide them with the opportunity to explore the nature of economic study as experienced at the post-secondary levels,
- and show how the economy affects business, government and the individual.

Topics:
1. Basic Economic Concepts
2. Market System
3. Macroeconomics
4. Government and the Economy
5. Business Cycle, Inflation and Unemployment
6. International Economy
7. Economy of Manitoba

CAREER STUDIES

Career Development & Life/Work Exploration 10S (LWPR1S)
Credit Value: 1 Credit
Prerequisite: None
This course is available to any Grade 9 student. It is based on the notion that one of the greatest 21st century skills is the ability to adapt to continuing changes in the workforce, exploring topics such as personal management strategies, society and the economy, as well as how to secure, create, and maintain employment in the workforce. Students will learn about current job markets, employability skills, resume writing, and new and exciting fields of employment from presenters in the field. This course is a foundation for understanding employability skills and students will gain knowledge and skills to help build and maintain a positive self-image and learn how self-image influences their lives. They will also learn to develop the skills necessary for effective communication, teamwork, and leadership for future careers.

Career Development and Life/Work Planning 20S (LWPR2S)
Credit Value: 1 Credit
Prerequisite: None
This course is available to any Grades 10 to 12 student, but is recommended for Grade 10 students. Students taking this course will find it helpful in career planning, enhancing their decision making skills, improving their communication skills and increasing their awareness of the world of work. Areas covered during the course include: developing abilities to help make and carry out educational, career and personal plans; assessing their abilities, skills and interests related to the world of work; evaluating their personal work abilities; identifying occupational career clusters of interest, shortening their focus list of occupations; understanding the impact their education has on career choices, as well as a practical work-related experience. Work placements occur after the student completes the educational component of the class. Students will discuss their work placement location with the instructor before going for the interview. Most students are placed at businesses of their choice. While part-time employment is not one of the objectives of the course, many students do get hired on a part-time basis.

Career Development and Life/Work Building 30S (LWBR3S)
Credit Value: 1 Credit
Prerequisite: None
This course is available to any Grades 11 and 12 student interested in developing a better understanding of themselves and how they fit into the world of work. The course will include areas of study and/or skill development in the following: skills for self-assessment to identify personal interests, abilities and needs to assist students with effective job searching; students will acquire critical skills in the academic teamwork and personal management areas of the Conference Board of Canada; understanding the need for money management, budgeting and independent living skills; developing an employability skills portfolio for prospective employers; exposure to the workplace through a job placement. Work placements occur after the student completes the educational component of the class. Students will discuss their work placement location with the instructor before going for the interview. Most students are placed at businesses of their choice. While part-time employment is not one of the objectives of the course, many students do get hired on a part-time basis.

Career Development and Life/Work Transitioning 40S (LWTR4S)
Credit Value: 1 Credit
Prerequisite: None

This course is available to students in Grades 11 and 12. Students must have completed at least a 21G or a 31G credit. The course will include the following areas of study: a self-assessment of their own abilities and how they relate to different occupations of interest, making use of effective job search skills; developing and understanding the essential skills as described by the Conference Board of Canada; discussion of employment standards of Manitoba, paycheques, deductions, budgets, and looking into W.H.I.M.S. and Worker compensation issues. At the 41G level, the student is responsible for taking the initiative of finding work placement. Work placements occur after the student completes the educational component of the class. Students will discuss their work placement location with the instructor before going for the interview. Most students are placed at businesses of their choice. While part-time employment is not one of the objectives of the course, many students do get hired on a part-time basis.

Senior Years Apprenticeship Option (SYAO) (SYAR41-48)
Credit Value: Potentially 8 credits
Prerequisite: Must be 16 years old, must be taking core subjects grades 9-12, have completed grade 10, and be enrolled in an approved grade 11 or 12 program.

Start your apprenticeship while you are still in high school. It combines regular senior year's school instruction with paid, part-time, on-the-job apprenticeship training. To begin, you need a qualified, insured employer who will agree to train you as an apprentice. You will work with your school guidance counsellor and/or SYAO coordinator to ensure you meet all of the program's academic requirements. Then, together with the employer, you will set up a suitable on-the-job/academic timetable that allows you to attend all of your required high school subjects. The SYAO program provides practical, paid, work experience and the opportunity to:

- get hands on experience using highly specialized, technological equipment,
- earn up to eight supplemental academic credits for graduation,
- get paid a specific rate that's more than minimum wage (rate of pay depends on the trade),
- apply your on-the-job training hours to continued, full-time apprenticeship training after graduation,
- use the skills you learn for a career in management or to start your own business.

INFORMATION COMMUNICATION TECHNOLOGY (ICT)

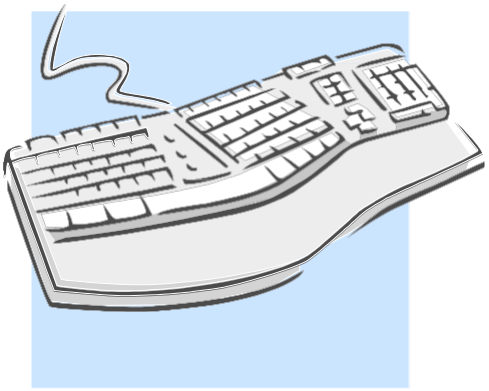
Applying Information and Communication Technology (ICT) Part I 15F (ICTA15F)
Credit Value: 0.5 credit
Prerequisite: none

Computer Applications provides an understanding of the computer, how it works, and how it influences the daily lives of every citizen. The course is a necessary part of the student's general education for they will live and work in an increasingly technological society. The purpose of the course is to make the students familiar with the following productivity tools: word processing, database management, spreadsheets, presentations, and to introduce them to basic programming. The software used in this course is Microsoft Office 2000 Professional and Microsoft Visual Basic.

Applying Information and Communication Technology (ICT) Part II 15F (ICTA15F)
Credit Value: 0.5 credit
Prerequisite: none

Students continue in their studies of how to apply ICT. Computer Applications provide an understanding of the computer, how it works, and how it influences the daily lives of every citizen. The course is a necessary part of the student's general education for they will live and work in an increasingly technological society. The purpose of the course is to make the students familiar with the following productivity tools: word processing, database management, spreadsheets, presentations, and to introduce them to basic programming. The software used in this course is Microsoft Office 2000 Professional and Microsoft Visual Basic.

Keyboarding 25S (1270)
Credit Value: 0.5 credit
Prerequisite: none



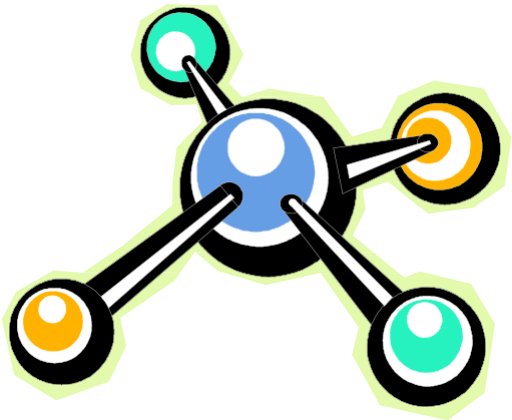
This course prepares you with skills to set up or format a document. Any instruction that tells you how to arrange a piece of work is called formatting or format. Work done on a computer or electronic typewriter is called a document. This course is designed to support students as they develop their keyboarding skills.

Computer Science 20S (COSR2S)
Credit Value: 1 Credit
Prerequisite: None

This course is the first level of Computer Science offered. It introduces students to the basics of computer programming and teaches students to solve problems using a combination of logic and creativity which is useful in many different courses and disciplines. Students are also provided with a firm foundation for further studies in Computer Science. Students wishing for an opportunity to use or to practice their problem-solving, math, and logic skills, as well as their creativity, will find this course challenging and fun. Prior computer programming is not necessary.

Computer Science 30S (COSR3S)
Credit Value: 1 Credit
Prerequisite: Computer Science 20S
This course is the second level of Computer Science offered. It introduces students to more advanced computer science topics. This course continues to engage students in solving problems using a combination of logic and creativity which is useful in many different courses and disciplines.
It is assumed that students entering this course will already have a background in the basics of computer programming (or at least have a strong interest in pursuing this topic), and are ready to explore Computer Science in more depth. Students wishing for an opportunity to use or to practice their problem-solving, math, and logic skills, as well as their creativity, will find this course challenging and fun.

Computer Science 40S (COSR4S)
Credit Value: 1 Credit
Prerequisite: Computer Science 30S
This course is the third level of Computer Science offered. Students will cover advanced Computer Science topics in the Java programming language. Computer Science 40S is an in-depth course that is recognized for university entrance as a 40S level course at the Universities of Manitoba, Winnipeg and Brandon as well as at Red River College and other colleges and universities. Students entering this course should have a solid background in computer programming and be interested in practicing and using their problem-solving and logic skills in a creative way.



Digital Pictures 25S (DPC25S) / Digital Film 25S (DFM25S)
Credit Value: 0.5 credit each
Prerequisite: Applying ICT 15G A and B or Applications ICT 15G A and B
This course introduces students to the principles, concepts, and practices of computers related to both personal and business world. This involves "hands-on" experience with many software programs such as Adobe Elements 3.0, which is a photo-editing pro-gram. The first half of this course will provide the students with the skills and knowledge to convey a message through an original image. The second half of the course will allow students to plan and create a variety of published documents.

Web Design 35S (WBD35S) / Interactive Websites 35S (WEB35S)
Credit Value: 0.5 credit each
Prerequisite: Prerequisite: Applying ICT 15G A and B or Applications ICT 15G A and B
The first half of this course is to pro-vide students with the skills and knowledge to design, develop, and publish a simple website to display information. The second half of this course is to provide students with the skills and knowledge to design, develop, and publish a website to display and gather information as well as creating an interactive web-site using Flash MX.

Print Communications 25S (0222)
Credit Value: 0.5 credit
Prerequisite: Applying ICT 15G A and B or Applications ICT 15G A and B
The purpose of this course is to reinforce and extend the ICT knowledge, attitudes, and skills acquired by students in the Early and Middle Years. The course will further prepare students to use ICT to learn and demonstrate their learning in all Senior Years courses.

Desktop Publishing 35S (0223)
Credit Value: 0.5 credit
Prerequisite: Applying ICT 15G A and B or Applications ICT 15G A and B
The purpose of this course is to reinforce and extend the ICT knowledge, attitudes, and skills acquired by students in the Early and Middle Years. The course will further prepare students to use ICT to learn and demonstrate their learning in all Senior Years courses.

Yearbook (DIHR2S/DPHR3S) Digital Pictures 25S (DIHR2S) and Desktop Publisher 35S (DPHR3S)

Credit Value: 1 Credit
Prerequisite: None
To assist in the completion of Your School's yearbook, students are requested, "for credit", to work as a team in planning and producing our yearbook. Countless hours are required in taking pictures, editing, reviewing, and managing the "snapshot" of school life for posterity. The rewards are endless! Credits will comprise of two (0.5 courses) encompassing Digital Pictures 25S (DIHR2S) and Desktop Publisher 35S (DPHR3S).

The above "Yearbook Work" will not be offered as a class in a slot within our timetable. Students will be expected to meet at various times under the direction of a teacher. If you are committed, flexible, creative, a team player, enjoy writing, like to work under pressure but enjoy to see the "fruits of your labour", you may be a candidate to work on our yearbook. Consider signing up! You will feel appreciated!

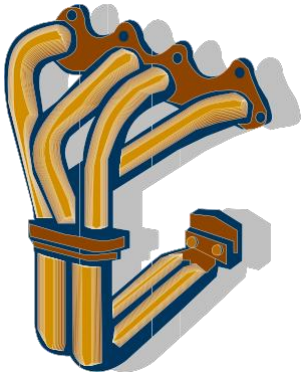
Automated Office 40S (1274)
Credit Value: 1 credit
Prerequisite: none
This is a course designed for students who are pursuing business and office work immediately after graduation and for those students who are looking to develop their computer software skills to prepare them for entering the workforce.

VOCATIONAL STUDIES

AUTOMOTIVE TECHNOLOGY / POWER MECHANICS

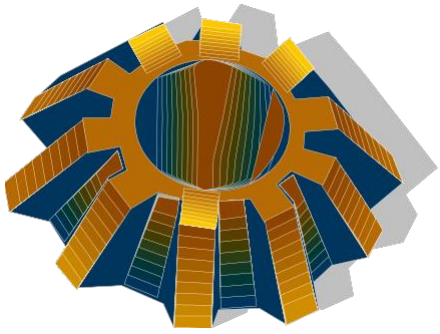
Power Mechanics (Automotive) 15G (PMHR1G)
Credit Value: 0.5 Credit
Prerequisite: None
This fun introductory course will introduce students who are interested in cars to learn how they operate. No experience is required, as the student will learn how to safely work in the auto lab. Many automotive topics will be examined including tool use, origin of power, engine operation, as well as many other systems that work together within the automobile. Emphasis will be placed on the student working "hands on" with cars. The student will become a member of the automotive world at large. Students who choose this course may further their studies by taking Power Mechanics 20G/30G/40S.

Power Mechanics (Automotive) 20G (POMR2G)
Credit Value: 1 Credit
Prerequisite: 15G Recommended, but not required.



A very popular course which is divided into units or sections that coincide with the many systems that make automobiles operate. The student will learn how to safely function in an automotive environment, then move into the following topics; engines and how they operate, the cooling system, the lubrication system, the fuel system, the drive train system, the electrical system, tires and brakes, suspension and steering, along with troubleshooting. The course will allow students to work "hands-on" in the lab and will provide a great deal of background to maintain their cars or pursue a career in the area. Students who choose this course may further their studies by taking Power Mechanics 30G – 40S.

Power Mechanics (Automotive) 30G (POMR3G)
Credit Value: 1 Credit
Prerequisite: None, Power Mechanics 20G recommended, not mandatory.
A very popular course which is divided into systems. After the student learns to function safely in an automotive environment, they will move on to study automotive systems. Cylinder heads, valve operations, combustion chambers, valve grinding and other related top-end topics will be stresses along with many other topics relating to automotive systems. This course is hands-on based and will allow students to go beyond routine maintenance on their vehicles.



Power Mechanics (Automotive) 40S (POMR4S)
Credit Value: 1 Credit
Prerequisite: None, Power Mechanics 30G recommended, not mandatory.
This very popular course is divided into systems; some previously covered will be elaborated upon, while new topics related to automotive systems will also be explored. Students will be expected to use technology to interface/scan the onboard computers of modern cars. As well, the student will gain invaluable knowledge of the operation of fuel injected systems as well as many other related subjects. Diagnosis and problem-solving skills will definitely develop. Students who choose this course may further their studies by taking automotive/mechanical courses at Red River College or other post-secondary training.

INTRODUCTION TO AUTOMOTIVE TECHNOLOGY 10S (ATA10S)
Credit Value: 1 Credit
Prerequisite: None
This course is aimed at the students with an interest in the mechanical repair of the automobile. The program provides students with basic entry-level skills necessary to function in a high school automotive shop setting. Core topics such as shop safety, fire safety, auto shop layout and major and minor equipment will be covered.

BASIC SERVICE 20S(ATA20S)
Credit Value: 1 Credit
Prerequisite: None
This course will cover basic automotive service and repair. The focus will be on lube service, cooling system service, tires, fluid levels, belts, hoses, lighting and general maintenance.

ENGINE FUNDAMENTALS 20S (ATB20S)
Credit Value: 1 Credit
Prerequisite: None
This course introduces the student to design features, component relationship and operation of 2 and 4 stroke cycle engines. Focus will be on minor vehicle engine servicing and will include a unit on disassembly and reassembly of 4 stroke lab engines. Basic hand tools, shop safety, use of technical manuals and shop orientation will be emphasized.

BRAKE SYSTEMS 30S (ATA30S)
Credit Value: 1 Credit
Prerequisite: ATA20S and ATB20S
This course covers types of operation, diagnosis, service, and repair of brake systems. Topics include drum, disc, hydraulic, vacuum boost, electrically powered boost, anti-lock and parking brake systems.

DRIVE TRAIN 30S (ATB30S)
Credit Value: 1 Credit
Prerequisite: ATA20S and ATB20S
The student will study the construction, function, and servicing of manual transmission and transaxles, clutch assemblies, drive shafts, differentials, universal and constant velocity joints. The student will be able to trace power flow in the power train; identify components; diagnose problems; adjust and replace clutch assemblies; service shafts and joints; and overhaul transmissions, transaxles, and differentials.

CHASSIS 30S (ATC30S)
Credit Value: 1 Credit
Prerequisite: ATA20S and ATB20S
This course teaches the student how to identify, diagnose and service suspension and steering systems. Including shocks, struts, steering linkage and four-wheel alignment.

AUTOMOTIVE ELECTRICAL SYSTEMS 30S (ATD30S)
Credit Value: 1 Credit
Prerequisite: ATA30S and ATB30S
This course covers basic electrical theory, wiring diagrams, test equipment, diagnosis, repair and replacement of batteries, starters, and alternators. Topics include Ohm's Law, circuit construction, wiring diagrams, circuit testing, and basic troubleshooting.

AUTOMOTIVE ELECTRONICS 40S (ATA40S)
Credit Value: 1 Credit
Prerequisite: ATC30S and ATD30S
Students will review basic electricity and then study basic electronic components and circuits. The use of meters in trouble-shooting electrical circuits, accessory, lighting and gauge circuits and accessing and interpreting computer fault codes will be covered as well. The service and repair of these circuits and related components will be emphasized.

FUEL SYSTEMS 40S (ATB40S)
Credit Value: 1 Credit
Prerequisite: ATC30S and ATD30S
This course is a study of computer controlled electric fuel pumps, and electronic fuel injection. The student will learn how to diagnose clean service, repair and adjust these components using modern equipment and procedures.

DIAGNOSIS AND CORRECTION 40S (ATC40S)
Credit Value: 1 Credit
Prerequisite: ATA40S and ATB40S
This course is a study of engine mechanical, electrical, and fuel system problems that result in poor performance, high fuel consumption, and high exhaust emission levels. The student will learn to determine engine performance using hand held instruments, scope patterns, and exhaust analysis. The results will be compared to factory specifications and any necessary adjustment and repairs will be made to correct existing problems.

SPECIAL APPLICATION 40S (ATD40S)
Credit Value: 1 Credit
Prerequisite: ATC40S
This course is designed for the student who is completing Automotive Technology. Students will be exposed to a wide variety of shop based activities chosen to review and enhance previously learned skills as well as to introduce new concepts and skills.

Power Mechanics Technology 15G/25G (7966)
Credit Value: 0.5 Credit each
Prerequisite: None
This course is designed with the novice in the automotive industry in mind. The course adopts a theoretical approach to power mechanics. The course includes:
- safety and tool identification
- fasteners and gaskets
- use of manuals
- theory of engine operation
- lubrication systems
- cooling systems
- fuel systems
- electrical systems
- wheels and tires
- trouble shooting

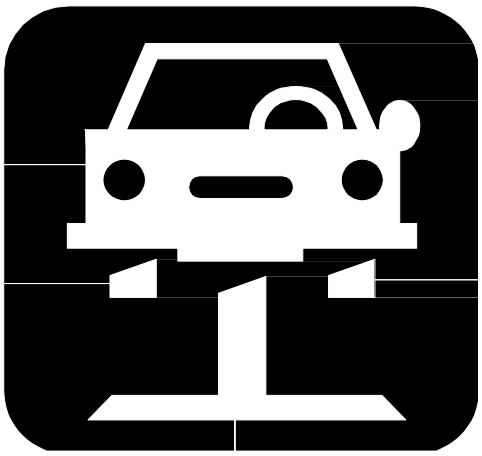
If you like discovering how automobiles operate and learning about car components, you will find the course valuable. Students will develop further the necessary skills and techniques required to properly disassemble, inspect and reassemble two and four stroke cycle engines. School supplied engines are used but students will have the opportunity to bring in other engines to work on. Students will also learn about basic car maintenance and how to buy a good used car. Advanced welding techniques will also be covered and students will complete a welding project as determined by the instructor. Safe shop work habits will be stressed.

AUTOMOTIVE TECHNOLOGY 15G (AT15G)
Credit Value: 0.5 Credit
Prerequisite: None
This is an optional course intended for students wishing to sample automotive technology. The emphasis is on hands-on activities. Students are introduced to safety, tools and equipment, automotive systems and service procedures.

AUTOMOTIVE TECHNOLOGY 20G (AT20G)
Credit Value: 1 Credit
Prerequisite: None
A student wanting to develop skills in the automotive service and repair industry must have knowledge of the basic principles related to automotive systems and service. Students learn safety, tool and equipment, automotive systems and service procedures and are introduced to diagnosis strategies.

POWER MECHANICS - PM30SA, PM30SB, PM30SC, PM30SD
Credit Value: 4 courses, 1 credit per course
Prerequisite: Power Mechanics Technology 15G/25G (7966)
The 30S Power Mechanics course deals with the theory, operation and repair of major vehicle systems. Topics covered throughout the 2 semesters include: Semester 1: (A) Engine reconditioning and machine shop operation (B) Drive train, manual transmissions, differentials, axles and drivelines. Semester 2: (C) Brakes, hydraulics fundamentals and ABS (D) Chassis, suspensions, and steering wheel alignment procedures.

POWER MECHANICS - PM40SA, PM40SB, PM40SC, PM40SD
Credit Value: 4 courses, 1 credit per course
Prerequisite: POWER MECHANICS - PM30SA, PM30SB, PM30SC, PM30SD
The 40S Power Mechanics course deals with the theory, operation and repair of advanced vehicle systems. Topics covered throughout the 2 semesters include: Semester 1: (A) Electrical systems operation and service, batteries, charging and starting systems, and wiring. (B) Fuel systems operation and service. Carburetion, fuel injection and emission control devices. Semester 2: (C) Automotive electronics and computers principles. Ignition systems, diagnostic flow charts and scan tools operation. (D) Advance diagnostic skills and computerized sub systems.



INDEPENDENT LIVING

Independent Living 20G (HOER2G)
Credit Value: 1 Credit
Prerequisite: None
How ready are you to live on your own? The course includes 4 units: Nutrition and Foods cover topics including quick breads, yeast breads, poultry, pastry, eggs and cheese with a FOOD LAB component on each topic; Consumerism looks at budgets, needs vs. wants, rights and responsibilities of consumers, credit and banking; Housing covers how to find the right apartment, responsibilities of a renter, how to solve landlord and tenant disagreements; and Clothing care needed to survive in the world as an independent person. The practical component will involve food labs, field trips and quick clothing repair techniques.

Independent Living 30G (HOER3G)
Credit Value: 1 Credit
Prerequisite: Independent Living 20G (HOER2G)
How resourceful are you? What is resource management? How do values and goals affect our decision making? Learn how to identify the resources available to you. The foods and nutrition unit will explore nutrition through foods topics such as meat, grains, fruits, milk and fish. A Food Lab component is involved in each of the food topics. The consumer unit will look at government agencies involved in each of the food topics. The consumer unit will look at government agencies involved to help consumers. The housing unit will look at the types of housing available based upon one's needs throughout the life cycle. The clothing unit will involve wardrobe planning and laundry procedures.

Independent Living 40G (HOER4G)
Credit Value: 1 Credit
Prerequisite: **Independent Living 30G (HOER3G)**
This course includes components which emphasize the knowledge, skills and behaviour necessary for individuals to make informed decisions, solve problems and maximize their potential as individuals and as contributing members of their families and the community. The course will include a nutrition unit looking at one's personal eating habits, activity and energy needs. The Food Lab component will involve planning and preparing nutritious meals. The housing and consumer unit will involve designing and decorating a living space reflecting one's personality and taste within a set budget.

FAMILY STUDIES, FOOD & NUTRITION

Family Studies 10F
Credit Value: 1 Credit
Prerequisite: None
This course provides an opportunity for students to learn some practical skills that can be used every day. It includes a student of nutrition, human relationships, as well as developing some hands-on skill in the area of clothing construction and care. This course provides an overview of various topics relating to adolescence. Topics include relationships with friends, family, and dating partners. Conception, prenatal care, the birth process and money management in a future career will be included.

Family Studies 15F (FSHR1F)
Credit Value: 0.5 Credit
Prerequisite: None
This course is an overview of the Family Studies course offered at the Grade 10 - 12 levels. Students gain an understanding of human needs and how those needs can be met by the individual and society. Students will study unit topics on communication, self-concept, decision-making, values and goals. Child development and the Real Baby simulation introduction is a major component of this program. Relationships with family and peers will also be topics for unit discussion.

Family Studies 20G (FASR2G)
Credit Value: 1 Credit
Prerequisite: None
Are you interested in a career in teaching, child care, social work or the medical profession? An Introduction of child development including physical, emotional, intellectual and social development from conception to toddler years is explored. The Real Baby simulation is a major component of this course.
The curriculum and parenting simulation together form a powerful tool to give the insightful picture of the skills required to effectively care for a child. Students who choose this course may further their studies by taking Family Studies 30G/30S.

Family Studies 30G, 30S (FASR3G), (FASR3S)
Credit Value: 1 Credit
Prerequisite: Family Studies 20G (FASR2G)
Does Early Childhood Education interest you? This course focuses on pre-school and early school age child development. Activities that promote physical, social, intellectual and emotional development will be explored. Students will observe and take part in children's' activities in a daycare setting. Students who choose this course may further their studies by taking Family Studies 40G/40S. This course can be taken as a university entrance course for the University of Manitoba or the University of Winnipeg at 40S. The student would be expected to do additional assignments to 30G.

Family Studies 40G, 40S (FASR4G), (FASR4S)
Credit Value: 1 Credit
Prerequisite: Family Studies 30G, 30S (FASR3G), (FASR3S)
This course is an in-depth study about your personal growth and development as you enter adulthood. Your personal values and goals are explored and are applied to relationships with family, peers and significant others. Students will also explore and develop career goals. Students will investigate careers that they are interested in and will shadow a member in that career for a short period of time. This course can be taken as a university entrance course for the University of Manitoba or the University of Winnipeg at 40S. The student would be expected to do additional assignments to 40G.

Home Economics 15G (HEC15G)
Credit Value: 0.5 credit
Prerequisite: none
The course is only for one term, designed with an emphasis on basic food preparation & nutrition. Students will prepare basic foods which can be applied to daily living. A focus on the current *Canada Food Guide* and how that relates to each individual student will be addressed. Basic food & kitchen safety, kitchen equipment, food labelling, recipe reading and terminology, personal hygiene and well-being will all be the focus.

Food and Nutrition 15G (FNHR1G)
Credit Value: 0.5 Credit
Prerequisite: None
What's for Dinner? Learn how to plan simple nutritious meals and snacks! The basics of food and kitchen safety are stressed in the food labs. Students will become a more informed consumer by reading food labels, identifying supermarket advertising traps, and learn how to make a consumer complaint effectively in the marketplace. The nutrition unit will cover Canada's Food Guide, basic nutrients, their functions and deficiencies. Students who choose this course may further their studies by taking Food and Nutrition 20G.

Food and Nutrition 20G (FDS20G)
Credit Value: 1 credit
Prerequisite: none
This course offers students opportunities to explore the significance of food and expand their understanding of the relationship between food and healthy lifestyle. Cooking labs provide opportunities to prepare and serve food that is nutritious, safe and appealing to the senses. In additions, the basic nutrients and relevant consumer issues including reading labels, food safety, and mental health will be studied.

Food and Nutrition 30S (FDS30S)
Credit Value: 1 credit
Prerequisite: none
This course offers students opportunities to explore food topics such as Canada's food supply and cultural diversity. Students will expand their understanding of the relationship between food and healthy lifestyle. Cooking labs provide opportunities to prepare and serve food that is nutritious, safe and appealing to the senses. The basic nutrients and relevant consumer issues including reading labels, food safety, and grocery shopping, are also covered. Students assist in designing the food preparation classes.

Food and Nutrition 40S (FDS40S)
Credit Value: 1 credit
Prerequisite: none
This course is designed with an emphasis on advanced food preparation & nutrition. Students will prepare a variety of different foods which can be applied to daily living. The focus will be on Canada and global food issues, careers in foods, as well as planning, preparing and serving food.

WOODWORKING, CARPENTRY & BUILDING TECHNOLOGY

Woodworking (Skateboards) 15G (WOHR1G)
Credit Value: 0.5 Credit
Prerequisite: None
This woodworking course will focus on the building of skateboard decks using an alternative method than mass-produced decks. Elements and principles of design and street art will be explored. Students will focus on safety in the woodshop, correct use of tools as well as the science and math related to deck building. There is a material cost to this course.

Woodwork Technology 15G (WDT15G)
Credit Value: 0.5 credit
Prerequisite: none
This course is a general introduction to woodworking with an emphasis on lab work. Some of the topics studied are safety, design and planning, problem solving, materials, hand and power tool operations, wood joints, gluing, clamping, and finishing.

Woodwork Technology 20G (WDT20G)
Credit Value: 1 credit
Prerequisite: Woodwork Technology 15G
Students in Woodworking Technology 20G study more advanced topics such as furniture design and planning, power tools, advanced adhesives, wood turning, and mass production.

Woodwork Technology 30G (WDT30G)
Credit Value: 1 credit
Prerequisite: Woodwork Technology 20G
This course continues the development of skills introduced in Woodworking Technology 10G and 20G. Topics include furniture construction, wood bending, lamination, wood turning, and career education.

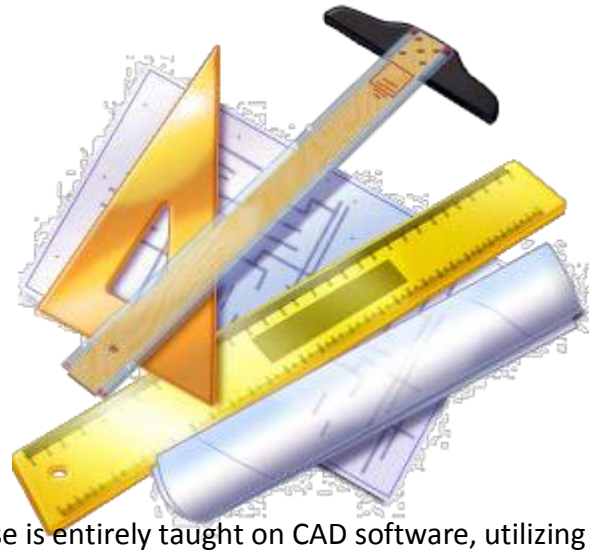
Wood Technology 40G (WDT40G)
Credit Value: 1 credit
Prerequisite: Woodwork Technology 30G
Woodworking Technology 40G gives students a foundation in the construction field. Course topics include CAD, woodworking machines, concrete form construction, framing, roof systems, exterior/interior finishing, stair building, drafting, drywall, residential wiring, residential plumbing and acoustics.

POWER TOOLS 20S (BCA20S)
Credit Value: 1 credit
Prerequisite: BCA10S
Students are introduced to portable and stationary power tools associated with carpentry and woodworking. Emphasis is placed on the cabinet making industry. Machine safety is thoroughly covered in this course. Tools commonly used are the table saw, jointer, thickness planer, radial arm saw, band saw, and shaper.

Applied Technology 40S (APTR4S)
Credit: 1 Credit
Prerequisite: At least one previous credit at the Grade 10 or 11 Level from the Technology Education Department is recommended.
This course will allow students to further develop their interests and skill sets in any of the Technology or Human Ecology courses. Students will learn through hands on, research and presentation activities. Participants must decide which program they wish to advance with at the beginning of the course. Students are expected to be independent workers.

DRAFTING & DESIGN

INTRODUCTION TO DRAFTING 10S
Credit Value: 1 credit
Prerequisite: None



This beginning course in Design Drafting provides the student with the opportunity to explore careers in Architecture, Engineering and Drafting Technology. In this first block of design drafting the student is introduced to drawing practices typical to the Architectural and Engineering professions. These will include basic layout, lettering, line conventions, scale work, sketching, orthographic multi-view projections, and basic dimensioning. Visualization and the concepts associated with producing drawings are emphasized throughout the course. Architectural and machine drawing disciplines are introduced as various units of the course are covered. The course is entirely taught on CAD software, utilizing the latest release of AutoCAD Software. Evaluation is based on drawings produced by the student and periodic theory assignments and tests. Students will also have the opportunity to compete in Provincial sponsored events. One such event is the Manitoba Skills Cardboard Boat Race in a swimming pool.

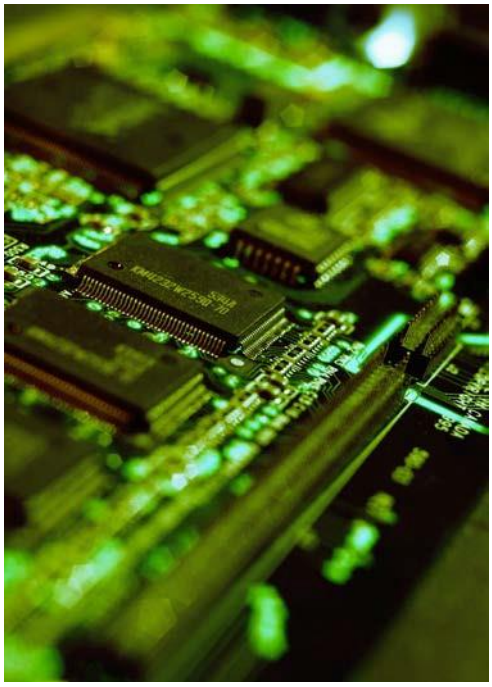
Drafting Design & Technology 15G
Credit Value: 0.5 credit
Prerequisite: None

The purpose of this course is to provide the students with an introduction to drafting. They will have the opportunity to develop skills in the use of drawing equipment while learning basic line work. Content will include: orthographic projection, pictorial drawings, dimensioning, blueprint reading, and an introduction to both machine and architectural drafting.

DRAFTING DESIGN TECHNOLOGY 20G – DF20G
Credit Value: 1 credit
Prerequisite: 10S or 15G

This course will introduce students to different topics in drafting including teamwork and communication in addition to their production work. Technical work will include basic line and measurement practices with an emphasis on drawing, incorporating layout, multi-view with dimensioning and oblique pictorial drawing. Students will predominantly produce their drawings on CAD software; however, mechanical drawings may be included to introduce students to certain topics.

ELECTRONICS



INTRODUCTION TO ELECTRONICS 10G (EL10G)
Credit Value: 1 credit
Prerequisite: None

If you are interested in Electronics and/or robotics, Electronics might be for you. In this intro class, 30 hands on electronic projects and a unit in house wiring will be used to show you this field of study.

ELECTRONICS - EL15G (Electronics)
Credit Value: 0.5 credit
Prerequisite: None

In this course, students are introduced to a variety of electronic concepts and principles. These include part identification, soldering, printed circuit boards, schematic diagrams and symbols. Students will produce several electronic projects of their choice to reinforce concepts learned. No previous electronic experience is required.

ELECTRONICS - EL20G (Electronics and Graphics)
Credit Value: 1 credit
Prerequisite: None

This course lays the foundation for understanding the basics of everything electronic. Students will learn electronic theory associated with AC and DC circuits and complete labs utilizing a variety of solid-state components. Instruction will guide students through simple to complex electronic circuits, bread boarding and circuit trouble-shooting. Advanced techniques for making printed circuit boards, soldering, assembly and testing are also covered. Basic graphic arts and screen printing techniques will also be introduced at this level...students are encouraged to bring a t-shirt to screen print on.

FAMILY AND COMMUNITY STUDIES

INTRODUCTION TO FAMILY & COMMUNITY 10S (FCA10S)
Credit Value: 1 credit
Prerequisite: None

The focus of this course will be on the individual and families. Students will study how to manage the challenges of daily life now and in the future. They will learn about changes that take place, as they become adults; their relationships with family and friends; and how to manage resources to reach goals. Students will also study the family from a global perspective, including a comparison of cultures and lifestyles. Students may also have the opportunity to interact with young children in the Crocus Plains Nursery School and the "Baby Think It Over" program.

DIMENSIONS OF LIFE 20S (Exploring Marriage & The Family) FCA20S
Credit Value: 1 credit
Prerequisite: None

This course will deal with the many aspects of family studies. The wide variations in types and patterns of families, the roles of family member's basic needs, and the various aspects of relationships. A unit of the course will focus on the process of aging, theories of aging and the implications for the aging person within the family and community environment.

INTRO TO APPLIED CHILD CARE 20S (FCC20S)
Credit Value: 1 credit
Prerequisite: None

Students will examine the meaning and responsibilities of parenting and the skills required to be a nurturing parent. Pre-natal care and the needs and potential problems of mother and child during pregnancy are emphasized. The needs of the newborn child are studied together with the required aspects of a caring environment. Students will do "on-the-job" training in Day Care Centers and in early school years classrooms.

PARENTING 20S (FCD20S)
Credit Value: 1 credit
Prerequisite: None

This course is concerned with the developing child, physically, intellectually, socially and emotionally, during the first three years of life. Special attention is given to the development of personality, language and behavioral patterns. Students are involved in first-hand observations and interaction with young children in a variety of community settings. Related "on the job training" includes experiences in day-cares and early school years classrooms.

ADVANCED PRE-SCHOOL CHILDREN 40S (FCA40S)
Credit Value: 1 credit
Prerequisite: FCC20S FCD20S

Students will examine in depth the growth and development of children aged three to five years of age. Various theories of child development are also studied to assist in providing an understanding of human growth and development. Students observe and interact with young children in the Nursery School

ADVANCED APPLIED CHILD CARE 40S (FCB40S)
Credit Value: 1 credit
Prerequisite: None
In this course, students will focus on how to plan the appropriate learning environment conducive to the continuous development of the pre-school child. This course will involve planning and organization of nursery school equipment, the establishment of routines and the provision of shared experiences, for example; art, games, songs and other curriculum areas. Special emphasis is given to the importance of learning through play and the major developmental factors in the education of the pre-school child. Students will apply their knowledge by planning and organizing the Nursery School for three, four and five year olds.

APPLIED FAMILY AND COMMUNITY 40S (FCD40S)
Credit Value: 1 credit
Prerequisite: None
This course will examine the interaction of work and family. The students will learn appropriate skills for becoming wise consumers, how to manage their money, buying on credit and meeting legal and other adult responsibilities. With high technology it is important that "high tech" be balanced with "high touch", or better interpersonal relationships. The students will learn that the family is still the chief provider of such relationships. Students will understand themselves, how to relate to others and how to function in present and future families. They will study "work", whether it be school work, work for wages, or voluntary work for personal fulfillment. They will develop the ability to balance the worlds of work and family and to understand how the degree of success in creating this balance is often a factor in the happiness and well-being of families today. Students will undertake "on-the-job: training in fields related to their future plans.

HUMAN RELATIONS / COMMUNICATIONS 40S (HCB40S)
Credit Value: 1 credit
Prerequisite: All grade 12 compulsory credits must be completed.
This course provides a general overview of the basic communication process. It includes effective and ineffective communication techniques and provides for communication practice sessions. The course also focuses on values and goals clarification and includes such topics as social and emotional needs of clients, dealing with stress, working with families and caring for culturally diverse client groups.

GERONTOLOGY 40S (HCC40S)
Credit Value: 1 credit
Prerequisite: All grade 12 compulsory credits must be completed.
This course enables the learner to explore his/her own attitudes towards old age and the aging process. It includes topics such as changes in normal aging, promoting wellness and independence, death and dying and palliative care.

WELDING

INTRODUCTION TO WELDING 10S
Credit Value: 1 Credit
Prerequisite: None
This course is designed for Grade 9 students wanting a good exposure to the metal fabrication/welding shop atmosphere. It is open to students at any level and is not a prerequisite to WGA20S and WGB20S. Students in this course will learn the importance of safety in the workplace. It offers the use of metal fabrication tools and equipment, measuring and layout tools, shearing, the basics of oxygen/acetylene welding, oxygen/acetylene cutting, and plasma arc cutting. Students will also be introduced to the Shielded Metal Arc Welding and M.I.G. (wire welding) processes.

OTHER TYPES OF CREDITS AVAILABLE

Cultural Exploration Credits

CULTURAL EXPLORATION STUDENT-INITIATED PROJECT - CESIP
Students can gain valuable educational experience by enhancing their knowledge of their own cultural origins or a cultural group that interests them through interaction with community members such as Elders and members of cultural organizations. The skills, knowledge and attitudes obtained from such activities can increase a student's self-esteem and maturity, strengthen cultural identity and/or provide greater intercultural understanding and an appreciation of cultural diversity. One credit may be available to a student who participates in such activity in the senior years for graduation purposes and does not require departmental registration.

Cultural Exploration Student-Initiated Project
The Cultural Exploration Student-Initiated Project (SIP) enables students to achieve valuable educational experience by acquiring knowledge about their culture and themselves through interaction with community members and cultural organizations. The skills, knowledge and attitudes obtained from such activity can increase a student's self-esteem and maturity, and strengthen cultural identity. The activity done by students participating in this SIP is not the responsibility of the school/school division or Manitoba Education, Citizenship and Youth but an opportunity made available to students by a cultural group to obtain credit for individual activity resulting in an awareness of their culture. A maximum of ONE credit can be earned during a student's high school career. Cultural groups have the opportunity to provide leadership opportunities for students to participate in this credit if they choose.

Community Service Credits

COMMUNITY SERVICE STUDENT-INITIATED PROJECT - CSSIP
Students may earn one Community Service credit (in the form of a SIP) within the 30 credits for graduation. These SIPs consisting of volunteer service are not to be registered with the Department. A Community Service SIP course code (8977) is available.

Community Service Credit (CSHZ4G/CSVZ4G)
Credit Value: 0.5 Credit / 1 Credit
Prerequisite: None
Students must fill out a Community Service Student—Initiated Project Form in Student Services, prior to starting their volunteer service. Students may find a placement within the school setting, or at an outside agency. Accumulating 55 hours will equal 0.5 (one-half) credit and 110 hours will equal 1 (one) credit. This credit may only be acquired ONCE for 1 (one) credit. Hours may be gathered from several different sources, and spread over several semesters.

Credits for Cadets/Private Music/Ballet

Course codes related to Cadets 11G & 21G (9982), Royal Winnipeg Ballet, and Private Music Option are listed in the Department-approved section. Reporting of student marks may include a percentage for the examination and/or an "S" for "Standing" i.e. a student receiving a Grade 12 (42S) examination percentage mark could also receive an "S" for standing (credit) for Grade 9 (12G), Grade 10 (22G), and Grade 11 (32S).

Royal Winnipeg Ballet (RWB)

Senior Years students can earn credits when they are registered in the senior levels of the RWB professional program.

Private Music Option

Senior Years students can earn up to 4 optional credits if they meet the requirements of the Conservatory Canada or the Royal Conservatory programs. Arrangements are made through the school principal or school counsellor for these credits to be recorded.

DEPARTMENT-APPROVED OTHER COURSE OPTIONS

ARTS SECONDARY LEVEL

9322	PRIVATE MUSIC OPTION	1.0	12G 22G 32S 42S
9361	ROYAL WINNIPEG BALLET	1.0	12G 22G 32S 42S

CADET CREDITS

9982	CADETS	1.0	11G 21G

Note: Code 9982 for Cadets can be used to record a maximum of 2 credits over and above provincial graduation requirements.

Sample SIC AND SIP Courses

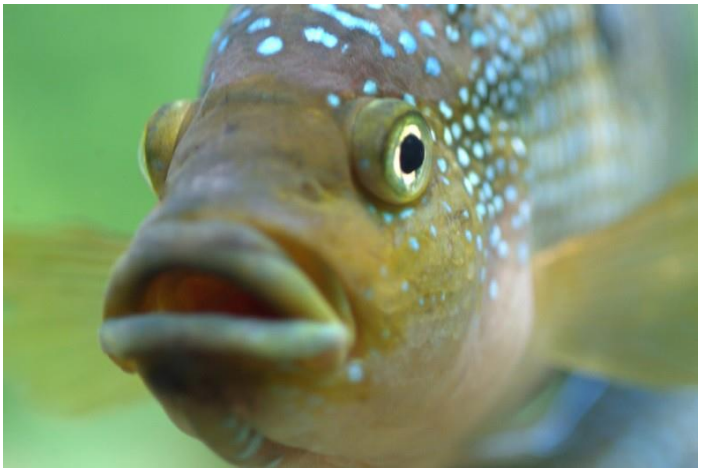
Native Studies 31G (SIC- 4565)
Credit Value: 1 Credit
Prerequisite: Native Studies 21G
This course centers on origins, archaeology, linguistics, history, history up to circa 1900 and contains much new research on Native peoples. The course is divided into 7 units.

Fiddling 11G (9993)
Credit Value: 1 Credit
Prerequisite: None
This course offers students the chance to experience a variety of musical opportunities: introduction to fiddles, history of fiddle culture, fiddle tab reading, fiddle ensemble, musical and rhythms notation, overview of music history, and music appreciation.

Community Studies 11G (5832)
Credit Value: 1 Credit
Prerequisite: None
Students will have the opportunity to learn teachings and oral history about their cultural roots and practices as related to the Elders and others.

Hunting 21G (9959)
Credit Value: 0.5 Credit
Prerequisite: None
Students will expand their skills and knowledge base in hunting through the Elders, community hunters and the Manitoba Hunter Education Course.

Fishing 21G (9938)
Credit Value: 0.5 Credit
Prerequisite: None
Students will develop and appreciation for the skills involved in traditional commercial fishing.



Trapping 21G (9967)
Credit Value: 0.5 Credit
Prerequisite: None
Students will learn the basic techniques for humane trapping and gain knowledge of fur markets.

Curling 21G
Credit Value: 0.5 Credit
Prerequisite: None
Students will learn the rules and develop strategy in learning the art of curling. They will collaborate with their team as they develop skills and accuracy.

COURSES AT A GLANCE

English Language Arts

English Language Arts 10F
Reading is Thinking 10S
English Language Arts 20F
Reading is Thinking 20S
Reading is Thinking 30S
ELA: Comprehensive Focus 30S
ELA: Transactional Focus 30S
ELA: Comprehensive Focus 40S
ELA: Transactional Focus 40S
ELA: Literary Focus 40S
ELA: Language and Technical 40S

Mathematics

Transitional Mathematics 10F
Transitional Math and GRADE 9 Math Combination 10F & 10F
Mathematics 10F
Topics in Math 11G
Essential Mathematics 20S
Introduction to Applied and Pre-Calculus 20S
Essential Mathematics 30S
Applied Mathematics 30S
Pre-Calculus Mathematics 30S
Pre-Calculus Mathematics 40S
Applied Mathematics 40S
Essential Mathematics 40S
Advanced Mathematics 45S
Calculus 45S

Sciences

Science 10F
Science 20F
Independent Research in Science 25G
Current Topics in Science 30S
Biology 30S
Biology 40S
Agriculture 30S
Horticulture 30S
Horticulture 40S
Interdisciplinary Studies in Water Science 40S
Chemistry 30S
Chemistry 40S
Physics 30S
Physics 40S
Environmental Science Advanced Placement 42S
Aquatic Science 41G

Social Studies

Social Studies 10F
Conflict and Peace in the 20th Century 11G
Geography 20F
American History 20G
History of Canada 30F
Geography: Physical 30S
Geography: World Human 40S
Current Topics in First Nations, Metis and Inuit Studies 40S
Psychology 40S
Global Issues: Citizenship & Sustainability 40S
Western Civilization 40S
Cinema 40S
Law 40S
World Religions 31G
Human Geography 40S
Sustainable Wilderness Education 41G
History of Rock and Roll 41G
Peer Assistance 41G
European History Advanced Placement 42S

Visual & Performing Arts

Art 10G
Art 20G
Art 30S
Art 40S
Band 10G
Band 20G
Band 30S
Band 40S
Choral/Dance 10G
Choral 20G/Dance 21G
Choral 30S/Dance 31G
Choral 40S/Dance 41G
Drama 11G
Drama 20G
Drama 30S
Drama 40S
Jazz Band 10G
Jazz Band 20G
Jazz Band 30S
Jazz Band 40S
Performing Arts 11G
Performing Arts 21G
Performing Arts 31G
Performing Arts 41G
Theatre Tech 21G
Theatre Tech 31G
Theatre Tech 41G
Guitar 20G
Guitar 30S
Guitar 40S
Grade 9, 10, 11 & 12 Guitar (Rock School)
Grade 9, 10, 11 & 12 CHOIR

Physical Education & Health

Physical Education 10F
Physical Education 20F
Physical Education 30F
Physical Education 40F
Recreational Leadership 11G
Hockey 11G
Hockey 21G
Health Only Education 10F

Business Education

Futures in Business 15G
Retailing 20S
Start Your Own Business 25G
Visions and Ventures: Entrepreneurship 30S
Promotions 30S
Relations in Business 30S
Accounting Principles 30S
Accounting Systems 40S
Management 40S
Marketing Practicum 40S
Economics 40S

Career Studies

Career Development & Life/Work Exploration 10S
Career Development and Life/Work Planning 20S
Career Development and Life/Work Building 30S
Career Development and Life/Work Transitioning 40S
Senior Years Apprenticeship Option

Information Communication Technology

Applying Information and Communication Technology (ICT) Part I 15F
Applying Information and Communication Technology (ICT) Part II 15F
Keyboarding 25S
Graphic Arts 15G
Graphic Communications Technology 20G
Graphic Communication Technology 30G
Graphic Communication Technology 40G
Design Technology 30S
Design Technology 40S
Computer Science 20S
Computer Science 30S
Computer Science 40S
Digital Pictures 25S (DPC25S) / Digital Film 25S
Animation 35S (ANM35S) / 3D Modelling 35S
Web Design 35S (WBD35S) / Interactive Websites 35S
Broadcast Media 35S (BMD35S) / Interactive Media 35S
Print Communications 25S
Desktop Publishing 35S
Relational Databases 35S
Data Collection & Analysis 35S
Data Management 30S
Introduction to Mass Media 15S
Fundamentals of Video Production 20S
Traditional Animation 20S
Intermediate Video Production I - 30S
Intermediate Video Production II - 30S
Journalism and Documentary Production 40S
Automated Office 40S

Languages

Basic French 10F
French 20F
French 30S
French 40S
Spanish 10F
Spanish 20F
Spanish 30S
Spanish 40S
Cree 11G
Cree 21G
Cree 31G
Cree 41G

Vocational Studies

Power Mechanics (Automotive) 15G Power
Mechanics (Automotive) 20G Power
Mechanics (Automotive) 30G Power
Mechanics (Automotive) 40S
Introduction to Automotive Technology 10S
Basic Service 20S
Engine Fundamentals 20S
Brake Systems 30S
Drive Train 30S
Chassis 30S
Automotive Electrical Systems 30S
Automotive Electronics 40S
Fuel Systems 40S
Diagnosis and Correction 40S
Special Application 40S
Power Mechanics Technology 15G/25G
Automotive Technology 15G
Automotive Technology 20G
Power Mechanics - PM30SA, PM30SB, PM30SC, PM30SD
Power Mechanics - PM40SA, PM40SB, PM40SC, PM40SD
Clothing, Housing and Design 15G
Clothing, Housing, and Design 20G
Clothing, Housing, and Design 30G/30S
Clothing, Housing, and Design 40G/40S
Fashion Technology 10G
Fashion Production 20S
Fashion Design 30S
Fashion Design Applications 40S
Fashion Entrepreneurship 40S
Independent Living 20G
Independent Living 30G
Independent Living 40G
Family Studies 10F
Family Studies 15F
Family Studies 20G
Family Studies 30G, 30S
Family Studies 40G, 40S
Home Economics 15G
Food and Nutrition 15G
Food and Nutrition 20G
Food and Nutrition 30S
Food and Nutrition 40S
Introductions to Culinary Arts 10S
Fruits and Vegetables 20S
Garden Manager 20S
Standardized Recipes 20S
Baking Principals and Ingredients 20S
Meats and Poultry 30S
Hospitality Basics 30S
Soups, Stocks, and Sauces 30S
Fish & Seafood 30S
Applied Food Service 40S
Kitchen Management 40S
Special Presentations 40S
Bakery Management 40S
Woodworking (Skateboards) 15G
Woodwork Technology 15G
Woodwork Technology 20G
Woodwork Technology 30G
Wood Technology 40G
Introduction to Building Construction 10S
Power Tools 20S
Building / Project Design and Surveying 20S
Framing 30S
Stairs 30S
Concrete and Masonry 30S
Interior / Exterior Finishing 30S
Intro to Cabinetry Woodwork 20G
Intermediate Cabinetry Woodwork 30G
Advanced Cabinetry Woodwork 40S
Cabinet Making 40S
Roofing 40S
Applied Construction 40S
Advanced Applied Construction 40S
Applied Technology 40S
Introduction to Commercial Art 10S
Illustration 20S
Composition 20S
Illustration 30S
Advanced Production Art (Animation) 30S
Type Design 30S
Design & Layout 20S
Advertising Layout 30S
Advanced Applications (Illustration) 40S
Animation 40S
Graphic Design 40S
Portfolio Management 40S
Introduction to Drafting 10S
Drafting Design & Technology 15G
Drafting Design Technology 20G
Drafting Design Technology 30S
Drafting Design Technology 40S
Dimensioning 20S
Section & Views 20S
Architectural Drafting 30S
Advanced Architectural 30S
Mechanical Drafting 30S
Advanced Mechanical Drafting 30S
Advance CAD 40S
Applied Architectural 40S
Applied Mechanical 40S
Specialized Applications 40S
Introduction to Electronics 10S
Electronics - EL15G
Electronics - EL20G
Electronics - EL30G
Electronics - EL40S
DC Electronic Circuits 20S
AC Electronic Circuits 20S
Semiconductor Devices 30S
Power Control Circuits 30S
Digital Logic Circuits 30S
Digital Applications 30S
Introduction to Robotics 40S
Advanced Robotics 40S
PC Repair 40S
Advanced Applications 40S
Introduction to Family & Community 10S
Dimensions of Life 20S
Parenting 20S
Food Preparation 30S
Advanced Pre-School Children 40S
Advanced Applied Child Care 40S
Human Services Tech. Initiative 40S
Applied Family and Community 40S
Introduction to Basic Hairstyling 10S
Basic Hairstyling 20S
Basic Haircutting and Thermal Styling 20S
Related Salon Services 20S
Permanent Waving and Straightening 30S
Haircutting 30S
Hair Colouring 30S
Hairstyling 30S
Salon Management & Employability Skills 40S
Advanced Hairstyling and Colouring 40S
Advanced Hair Cutting, Waxing & Straightening 40S
Certification Preparation 40S
Growth and Development 30S
Health, Environment & Safety 40S
Human Relations/Communications 40S
Concepts for Practice 40S
Personal Care Skills and Needs 40S
Introduction to Photography 10S
Photography Equipment - Darkroom and Studio Techniques 20S
Composition and Design – Expressive Photography 20S
Format Photography–The Photographic Lens 30S
Darkroom Application – Photographic Careers 30S
Basic Studio and 120 Cameras 30S
Colour Photography 30S
Portrait Photography 40S
Multi-Media and Digital Photography 40S
Product Photography and Video Production 40S
Applied Photography 40S
Metal 15G
Metal Work Technology 20G
Metal Work Technology 30G and 40S
Introduction to Welding 10S
Basic Oxygen/Acetylene Welding 20S
Basic Shielded Metal Arc Welding (Arc - 1)20S
Introduction to Gas Metal Arc Welding (M.I.G. - 1) 30S
Positional Shielded Metal Arc Welding (Arc - 2) 30S
Introduction to Gas Tungsten Arc Welding (T.I.G.) 30S
Intermediate Gas Metal Arc Welding (M.I.G. –2) 30S
Advanced Shielded Metal Arc Welding (ARC - 3) 40S
Advanced Gas Metal Arc Welding (M.I.G -3) 40S
Projects and Testing 40S
Applied Welding 40S
Cultural Exploration Student-Initiated Project
Community Service Credit
Royal Winnipeg Ballet
Private Music Option
Cadets 11G/21G