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GENERAL INFORMATION

Thank you for considering Lord Selkirk Regional Comprehensive Secondary School (LSRCSS) and its programs. This registration booklet contains information that we hope will be helpful in choosing courses and planning your high school experience.

Our school offers a complete range of educational opportunities for all students. Our facility accommodates a wide variety of programs that meet entrance requirements for community colleges, universities, trade schools, and employment.

Programs

- Academic and Advanced Programs
- Vocational Programs
- French Immersion
- Music, Choral, and Performing Arts Programs
- Languages Programs
- Independent Self-Paced Learning Programs
- Intramural and Extra-Curricular Programs
- Enrichment Program and University Courses
- Indigenous Counsellor

Facilities:

- Swimming Pool
- Gymnasium and Indoor Track
- Internationally-Accredited Outdoor Track and Field Facility
- Student Services Centre and Life Skills Area
- Cafeteria
- Computer Labs
- Performing Arts Theatre

If you have any questions, please contact the school:

Lord Selkirk Regional Comprehensive Secondary School
221 Mercy Street, Selkirk, MB R1A 2C8

Phone: **204-482-6926**
Fax: 204-785-2571

Email : **lsrcss@lssd.ca**
https://lsrcss.lssd.ca
Twitter : **@LSRCSS_LSSD**
Instagram : **lsrcssroyals**

THE SEMESTER SYSTEM

At most feeder schools, students will take the same classes all year long. At the high school, we have a semester system where students take half of their courses from September to January. Final marks are issued at the end of January. At the beginning of February, a new set of five courses begins and continues until the end of June when final marks for those courses are issued.

In Grade 10, most students will be registered in a total of 10 courses. There will be five courses each semester. Students are encouraged to try to have two or three core classes and two or three elective classes each semester. This balance allows the heavy high school workload to be evenly distributed throughout the year. It is important that students settle into classes quickly and not fall behind in work or review as it can be very hard to catch up. Regular attendance is imperative for success.

SCHOOL DAY

Period 1	9:00 a.m. - 10:05 a.m.
Period 2	10:10 a.m. - 11:10 p.m.
Period 3	11:15 a.m. - 12:20 p.m.
Lunch	12:20 p.m. - 1:15 p.m.
Period 4	1:20 p.m. - 2:25 p.m.
Period 5	2:30 p.m. - 3:30 p.m.

FEES

Students are required to pay a student fee of $20.00 per school year. The money is used to subsidize a wide range of student activities.

Students wishing to use a school locker must rent a school lock at the beginning of the year. Additional lockers may become available throughout the year.

INDEPENDENCE AND RESPONSIBILITY

Students are expected to be independent in high school. Each student has a different timetable and a different set of teachers. Each of these teachers has expectations regarding behaviour, homework, etc. and students are expected to take responsibility for knowing what these expectations are and following them. High school teachers are helpful and want their students to be successful, and they expect students to ask for help and be involved in their own learning.

EXPECTATIONS

There is an increase in the amount of homework and the demand for students to be organized, to attend class and to complete and hand in assignments without constant teacher supervision. Teachers have high expectations related to the quality of work handed in. Teachers also expect students to be responsible and mature as they prepare for post-secondary education and careers. The number of assignments students receive depends on a variety of factors such as the course load, student abilities, student goals, and course levels.

ONLINE REGISTRATION

In order to streamline the registration process, the Lord Selkirk Regional Comprehensive Secondary School (LSRCSS) enables students to register online. Prior to the beginning of February 2022, LSRCSS administrators will distribute the Registration Guide and Forms to current Grade 9 students entering Grade 10. Due to COVID-19 restrictions, the usual Grade 9 High School Tours and Open House for parents will not be scheduled; instead, various LSRCSS departments will share informational and instructional videos digitally.

Current Grade 10 and 11 students will have access to the Registration Guides and Forms in March 2022. Prior to beginning the registration process, staff will assist students to better understand the online system and available courses. Students seeking career assistance or information about post-secondary institutions can speak to LSRCSS counsellors.

PROGRAM MAJORS

When students enter the high school, they are designated with a General Studies Major. Students are encouraged to try a variety of courses in their Grade 10 year. During their Grade 10 year, students may find they are more interested in certain courses than others. It is during Grade 10 that students may choose to focus on a certain program major for Grades 11 and 12.
Once a program major is established, students will register for the courses required for that program major.

Program majors available include :

- General Studies
- Applied Commerce & Technology
- French Immersion
- Human Ecology
- Performing Arts
- Visual Communications

Vocational program majors available include :

- Automotive Technology
- Culinary Arts
- Design Drafting
- Electrical Trades Technology
- Graphic Design
- Hairstyling
- Digital Print Media
- Industrial Welding & Metal Fabrication

COURSE NUMBERS

The course numbering system consists of a nine-character, alphanumeric code. An example is: CA20S8791.

The first and second characters are letters that designate school departments.

The third character is a number that represents the grade level:
1 - courses developed for Grade 9
2 - courses developed for Grade 10
3 - courses developed for Grade 11
4 - courses developed for Grade 12

The fourth and fifth characters are numbers that represent the course designation:
0 - Developed or approved by Government for 1 credit
5 - Developed or approved by Government for .5 credit
1 - Developed by school and approved by Government for .5 or 1 credit
2 - Advanced level courses for 1 credit
G - General
S - Specialized
F - Foundation
M - Modified
E - EAL

The sixth through ninth characters are numbers that represent the course curriculum.

STUDENT SERVICES: SCHOOL COUNSELLORS

School support and counselling services are offered at LSRCSS. School Counsellors are available to help with a variety of topics, ranging from:

- Social/Emotional Support (i.e. relationships, grief, family concerns, etc.)
- Academic planning, such as: school registration, credit checks, timetable changes, information about alternate credit options
- Information about Post-Secondary Education, scholarships, and career support
- Liaison and advocate for students with parents/teachers/ outside agencies
- Referral agent for division clinicians and outside agencies (Social Work, Community Mental Health, AFM, etc.)

Students may seek an appointment with a School Counsellor by completing an appointment request slip in the Student Services area and placing it in the appropriate Counsellor's mailbox. Parents are welcome to seek information and guidance for their children through our School Counsellors.

LEARNING SUPPORT: LEARNING SUPPORT TEACHERS

The Learning Support Teachers offer a variety of support services for students. Learning Support Teachers are available to coordinate services in the following ways:

- Work with classroom teachers to address the diverse learning needs of students in the school by gathering and sharing information, modelling strategies, co-teaching, and supporting the planning for and implementation of appropriate educational programming.
- Liaison and advocate for students with parents/teachers/ outside agencies.
- Refer students to Divisional clinicians and outside agencies: School Psychology, Social Work, Speech and Language, Occupational Therapy, Physical Therapy, Community Mental Health, AFM, etc.
- Provide additional supports during assigned resource periods.

Parents are welcome to seek information and support for their children through our Learning Support Teachers.

INDIGENOUS STUDENT CENTRE

The Indigenous Student Centre – is now known as Spirit World Helpers, which is a name that was given to this area by an Elder. We are a team of educators/counsellors, and EA's that focus on a meaningful connection with students who are Indigenous and non-Indigenous. We all utilize our education and understanding of Indigenous perspectives to make connections with our youth to achieve Mino-Bimaadiziwin (the good life).

CAREER CENTRE

The Career Counsellor provides assistance for students to plan for life after high school. Available services include planning for post-secondary education, apprenticeship, resume writing, scholarship exploration, etc.

UNIVERSITY DUAL CREDIT COURSES

University Dual Credit courses allow students to earn a high school credit **and** a university credit at the same time while attending Lord Selkirk Regional. Present courses offered are currently partnered with the University of Winnipeg. Students in Grade 12 that have enrolled in at least one 40S course and maintain a 70% average overall are able to start their post-secondary studies while still in high school and not have to pay university tuition for the course. Students currently pay only the university student application fee of $100.

University Dual Credit courses are instructed by university accredited instructors in our school and fit in the regular student timetable. The English 1 course will count as a full (1.0) high school credit and a 6-credit hour university course. Please verify course offerings each semester with a counsellor in the Career Centre or in the department course listings of the registration guide.

COMMUNITY CAREER CREDITS

HIGH SCHOOL APPRENTICESHIP PROGRAM

(HSAP9801-9808)

This program allows students to gain experience and authentic apprenticeship hours towards certification in a skilled trade. Students can earn up to eight 40S credits towards high school graduation for having gained employment in the skilled trades under a certified journeyperson or designated trainer that will apprentice them. Please see the Apprenticeship Coordinator in the Career Centre for further information.

CREDITS FOR EMPLOYMENT

(CFE 0304-30G, CFE 0304-40G)

This course recognizes the skills students learn for having gained meaningful employment. Students may earn up to two CFE credits for having gained employment and having accumulated a designated number of employment hours. For further information about any of the Community Career Credits listed above, please see the Career Counsellor.

VOLUNTEER CREDIT

The Department of Education and The Lord Selkirk School Division recognizes the importance of volunteerism and giving back to the community.

As a result, students are able to earn up to one high school credit for volunteering 110 hours of non-paid community service. Please see the Career Counsellor.

GRADUATION REQUIREMENTS

GRADE 9	
Compulsory Courses	**Credit**
English 10	1
Mathematics 10	1
Science 10	1
Social Studies 10	1
Physical Education / Health 10	1

GRADE 10	
Compulsory Courses	**Credit**
English 20	1
Mathematics 20	1
Science 20	1
Geography 20	1
Physical Education / Health 20	1

GRADE 11	
Compulsory Courses	**Credit**
English 30	1
Mathematics 30	1
History 30	1
Physical Education 30	1
One Elective at the 30 Level	1
Refer to the specific program major to ensure you are meeting the requirements when planning your high school program.	

GRADE 12	
Compulsory Courses	**Credit**
English 40	1
Mathematics 40	1
Physical Education 40	1
Two Electives at the 40 Level	2
Refer to the specific program major to ensure you are meeting the requirements when planning your high school program.	

Total *Compulsory* Credits (Grades 9 – 12) = **17 Credits**

Total *Elective* Credits (Grades 9 – 12) = **13 Credits**

Total Credits for Graduation – **30 Credits**

Selection of courses should be made on the basis of a student's needs, interests, and abilities, as well as the admission requirements of the post-secondary institution or work situation to which the student aspires. Students should review and discuss the different course offerings with parents / guardians, current teachers, and school counsellors. Many of our courses require prerequisites before a student is eligible to take them. This means students must pass a lower grade course in order to take an upper grade course. If individual core / elective courses are failed with a mark lower than 40%, students must repeat the course. If individual core courses are failed with a mark higher than 40%, students may be eligible to recover the course through our Flex program. Excessive absences contributing to a failing grade may prevent acceptance into ISPL.

POST SECONDARY ENTRANCE REQUIREMENTS

It is the responsibility of each student who plans to enroll in a post-secondary institution to ensure that they take the specific courses required for entrance. For specific information about these programs, the student should make an appointment with their school counsellor or the career advisor. Entrance scholarships are available at all three institutions listed below.

Although each faculty requires specific courses, the following are the basic general entrance requirements for post-secondary schools in Winnipeg:

UNIVERSITY OF MANITOBA

1. Must qualify for graduation: 30 credits.
2. Must have at least six credits at the Grade 12 level including Physical Education 40F, which is necessary for high school graduation but not for university admission.
3. University 1 Admission: A minimum of 70% average over the following, with no mark less than 60% in each course:
    - An English 40S course
    - A Mathematics 40S course
    - Two Academic 40S courses
4. Certain faculties request specific courses and averages to be accepted. Students are encouraged to consult with their counsellor or the University of Manitoba handbook or website for this information.

UNIVERSITY OF WINNIPEG

1. Must qualify for graduation: 30 credits.
2. Must have at least six credits at the Grade 12 level, including Physical Education 40F, which is necessary for high school graduation but not for university admission.
3. General Entrance Requirements : A minimum of 65% average calculated using the following :
    - An English 40S
    - A Mathematics 40S
    - One other 40S credit from a different subject area
4. Certain faculties require specific courses and averages to be accepted. Students are encouraged to consult with their counsellor or the University of Winnipeg handbook or website for this information.

RED RIVER COLLEGE

1. High school graduation is required.
2. Each program has specific course requirements. Please refer to the Red River College handbook or website or consult with a school counsellor.

All students are encouraged to use the counselling services available at Lord Selkirk Regional Comprehensive High School to plan their high school program, particularly in Grades 11 and 12. This will help ensure that the specific entrance requirements in their field of interest will be met. Where career plans are not definite, students should select courses that will cover the broadest span of entrance requirements possible.

*Please note post-secondary institutions outside of Manitoba have other entrance criteria.

GRADE 10 COURSES

English Program Grade 10 Compulsory Courses	**French Immersion** Grade 10 Compulsory Courses
English 20	Francais Arts Langagieres 20
Minimum of one Math: o Introduction to Applied & Pre-Calculus Mathematics 20 o Essential Mathematics 20	Mathematiques au Quotidien 20
Geographic Issues 20	Les Enjeux Geographie 20
Science 20	Science Naturelles 20
Physical Education / Health 20	**PLUS**
	English 20
	Physical Education / Health 20

Business Communications 30	Junior Symphonic Band 20 (Before School)	Intro to Welding 20
Career Development Planning 20	Vocal Jazz 20	Basic SMAW (arc) Procedures 30S
Entrepreneurship 20	Fundamentals of Graphic Design 20	English-Enriched 20
Hardware and Software Essentials 20	Drawing 20	Intro to Applied and Pre-Calculus Mathematics 20
Personal Finance 20	Visual Arts 20	Essential Mathematics 20
Computer Science 20	Print Media Fundamentals 20	Intro to Applied and Pre-Calculus Mathematics-Enriched 20
Family Studies 20	Intro to Photography 20	Science-Enriched 20
Textile Arts and Design 20	Intro to Automotive Technology 10 & Intro to Heavy Duty Equipment Technology 20	Woodwork Technology 20 & Woodwork Technology 30
Food and Nutrition 20		
Drama 20	Cooking Principles 20	American History 20
Drama Production 20	Design Drafting Essentials 1 20	French: Communication & Culture 20
Concert Band 20	Intro to Electrical Trades Tech 20	Spanish 20
Concert Choir 20 (Noon Hour)	Exploration of Hairstyling 10	
Jazz Band 20		

- Grade 11 30-level courses may be requested if pre-requisites are met.

- Courses offered outside of timetable:
  - Symphonic Band (before school)
  - Concert Choir (noon hour)

GRADE 11 COURSES

English Program Compulsory Courses	**French Immersion** Compulsory Courses
Minimum of one English: ○ Comprehensive 30 ○ Literary 30 ○ Transactional 30	Langue et Communication 30
	Mathematiques au Quotidien 30
	Histoire du Canada 30
Minimum of one Math: ○ Applied Math 30 ○ Essential Math 30 ○ Pre-Calculus Math 30	**PLUS** One English 30 Physical Education 30
	PLUS
Canadian History 30	Minimum of one 30-level elective
Physical Education 30	

Accounting Essentials 30	History of Western Music 35S	Graphic Communication Technology 40	Comprehensive English 30
Business Communications 30	Jazz Improvisation 30	Electrical Trades DC Fundamentals 30	Transactional English 30
Career Development Building 30	Symphonic Band 30 (before or after school)	Residential Wiring 30	Creative Writing 31
Computer Science 30	Vocal Jazz 30	Electrical Wiring Methods 30	Literary English-Enriched 30
Cyber Security Essentials 30	Garde Manger 30	Illustration for Graphic Design 30	Essential Mathematics 30
Operating Systems 30	Patisserie & Baking 30	Graphic Design and Layout 30	Applied Mathematics 30
Retailing Perspectives 30	Vegetables, Fungi, Starches & Farinaceous Products 30	Interactive Graphic Design 30	Pre-Calculus Mathematics 30
Family Studies 30	Automotive Systems and Service 20 & Engine Fundamentals and Service 30	Basic Haircutting and Thermal Styling 20	Pre-Calculus Math-Enriched 30
Textile Arts and Design 30	Drivetrain Fundamentals and Service 30 & Chassis Fundaments and Service 30	Basic Salon Services 20	Biology 30
Food and Nutrition 30		Intermediate Haircutting and Barbering 30	Chemistry 30
Drama 30	Visual Arts 30	Hair Colouring 30	Physics 30
Chamber Choir 30	Contemporary Art Making 30	Intermediate Hairstyling and Artificial Hair 30	Sport Psychology 31
Composition (1) 35 Composition (2) 35	Photographic Equipment 30	Metal Design / Fabrication & Oxy-Acetylene Procedures 30	French: Communication & Culture 30
Concert Band 30	Design Drafting Essentials 2 30	Basic GMAW (MIG) Procedures 30	Spanish 30
Concert Choir 30 (noon hour)	Architectural Design Drafting 30	Advanced SMAW (ARC) Procedures 40	Hockey Skills Academy 11
Drama Production 30	Engineering Design Drafting 30	Woodwork Technology 20 & Woodwork Technology 30	Hockey Skills Academy 21
Film Studies 30	Design 30		
Fundamentals in Music I 30	Pre-Press 30		
Jazz Band 30	Print Production 30		

- Grade 12 40-level courses may be requested if pre-requisites are met.

- Courses offered outside of timetable:
  - Symphonic Band (before or after school)
  - Concert Choir (noon hour)

GRADE 12 COURSES

English Program Compulsory Courses		French Immersion Compulsory Courses
English 40 (choose one) ○ Comprehensive 40 ○ Literary 40 ○ Transactional 40	**Mathematics 40 (choose one)** ○ Applied Math 40 ○ Essential Math 40 ○ Pre-Calculus Math 40	Langue et Communication 40
		Mathematiques au Quotidien 40
		Enjeux Mondiaux: Citoyennete et Durabilite 40
	PLUS	**PLUS**
	Physical Education 40	One English 40
	Two 40-level electives	Physical Education 40

Business Management 40	Automotive Electrical Systems 40 & Vehicle Systems Part 1 40	Advanced Electrical Wiring Methods 40 & Applied Electrical Trades Technology 40	Pre-Calculus Mathematics 40
Accounting Systems 40			Intro to Calculus and Advanced Math Topics 40
Computer Science 40	Vehicle Systems Part 2 40 & Applied Diagnostic Strategies 40		Pre-Calculus Mathematics Enriched 40
Economic Principles 40		Chemical Texture Services 30	Biology 40
Career Development Transitioning40S	Breakfast & Dairy 40	Advanced Hairstyling and Colouring 40	Chemistry 40
Applied Business Technologies 40	Menu Planning & Food Costing 40	Advanced Haircutting and Chemical Texture 40	Physics 40
Family Studies 40	Meats, Poultry, Fish & Seafood 40	Salon Operations & Client Services 40	Advanced Biology 42
Textile Arts and Design 40	Stocks, Soups & Sauces 40	Certificate Preparation 40	Advanced Chemistry 42
Food and Nutrition 40	Advanced Engineering Design Drafting 40	Advanced GMAW (MIG) Processes and Procedures 40	Advanced Physics 42
Applied Family Studies 40	Advanced Architectural Design Drafting 40	Advanced Metal Design/Fabrication 40	Canadian Law 40
Drama 40	Applied Architectural Design Drafting 40	Applied Specialties and Qualifications 40	Cinema as a Witness to Modern History 40
Chamber Choir 40	Applied Engineering Design Drafting 40	Comprehensive English 40	Current Topics in First Nations, Metis, & Inuit Studies 40
Composition (1) 45 Composition (2) 45	Advanced Design 40	Literary English 40	Global Issues: Citizenship and Sustainability 40
Concert Band 40	Advanced Pre-Press 40	Transactional English 40	History of Western Civilization 40
Concert Choir 40S (noon hour)	Advanced Print Production 40	Language and Literary Forms 40	Dual Credit Intro to Global Citizenship 42
Drama Production 40S	Applied Print Media 40	Language and Transactional Forms 40	Psychology 40
Fundamentals in Music II 40S	Advanced Graphic Design and Layout 40 & Advanced Illustration for Graphic Design 40	Dual Credit English 1 42	World Geograpphy: A Human Perspective 40
History of Western Music 45	Advanced Interactive Graphic Design 40 & Graphic Design Portfolio 40	Dual Credit Academic Writing 42	Sociology 41
Cinema as a Witness to Modern History 40		A World of Relitions: A Canadian Perspective 40	French: Communication & Culture 40
Jazz Band 40		Creative Writing 41	Spanish 40
Jazz Improvisation 40	Advanced Residential Wiring 40 & Electrical Trades AC Fundamentals 40	Literary English Enrichment 40	Visual Arts 40
Symphonic Band 40 (after school)		Essential Math 40	Advanced Photographic Equipment 40
Vocal Jazz 40		Applied Mathematics 40	Advanced Digital Darkroom 40
			Applied Media Technology 40

- Courses offered outside of timetable:
  - Symphonic Band (after school)
  - Concert Choir (noon hour)

GENERAL STUDIES

Program Major

The General Studies Program Major provides an opportunity for students to explore a variety of programs and electives at Lord Selkirk Regional. This general academic major provides the students a chance to (a) obtain a three-year high school program of general education, (b) prepare for post-secondary study, and (c) allow flexibility and choice in concentrating their study in humanities, mathematics, sciences, arts, or any combination of these studies.

In planning for a General Studies program, students are required to complete all required courses for graduation and electives to meet the 30 credits for graduation. Required courses account for 17 of the credits. Electives should be chosen to meet the future needs and interests of each student. A minimum of one grade 11 elective and two grade 12 electives must be taken for graduation.

Students who are planning to enter a university or community college program are recommended to take courses at the 'S' level and to schedule courses that meet the requirements of their chosen university faculty or program.

All students entering the high school in Grade 10 are designated General Studies Majors. Students are encouraged to register for courses that interest them. Once a student enters Grade 11, a program major needs to be followed closely, making sure all mandatory program major courses are selected. When a student enters Grade 12, a program major must be declared; otherwise, the student will be designated a General Studies Major.

	Grade 10		Grade 11		Grade 12
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 Phys. Ed. 30 History 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Electives	Selection based on interests / future needs.	**Electives**	Selection based on interests / future needs.	**Electives**	Selection based on interests / future needs.

APPLIED COMMERCE & TECHNOLOGY

Program Major

Prepare yourself to learn real-world knowledge that will help you in all areas of your high school, university education, and potential career. Here is where you will learn the skills to help you with the rest of your life.

Major Students: Applied Commerce & Technology major students must select **SEVEN** courses over their high school education to major. **ONE** course must be at the 40S level.

Non-Major Students: Students who are not majors are encouraged to take any of the courses as electives.

All Applied Commerce & Technology courses without a prerequisite are available to ALL grade levels.

	GRADE 10	GRADE 11	GRADE 12
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed 20	English 30 Mathematics 30 History 30 Phys.Ed 30	English 40 Mathematics 40 Phys. Ed 40
Electives	Hardware & Software Essentials 20	Computer Science 30 *(Programming)*	Accounting Systems 40
	Computer Science 20 *(Programming)*	Cyber Security Essentials 30	Economics Principles 40
	Career Development 20 *(2 extra credits granted with employment)*	Career Development 30 *(2 extra credits granted with employment)*	Business Management 40
	Entrepreneurship 20	Accounting Essentials 30	Computer Science 40 *(Programming)*
	Personal Finance 20	Operating Systems 30	Applied Business Technologies 40
	Business Communications 30 *(Suggested Gr. 10)*	Business Communication 30	Career Development 40 *(2 credits-students at work for PM classes)*
		Retailing Perspectives 30	

APPLIED COMMERCE & TECHNOLOGY

Program Major

Applied Commerce & Technology Streams
There are two streams within Applied Commerce & Technology

- Computer Science (Programming)
- Finance & Entrepreneurship

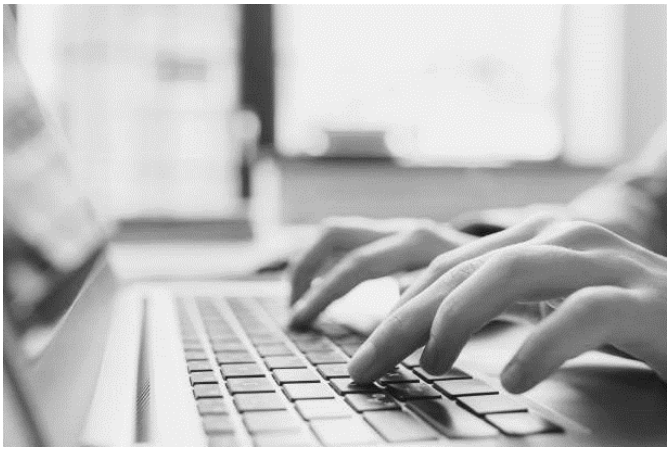
Computer Science suggested courses:
Computer Science 20, Computer Science 30, Computer Science 40, Business Communications 30, Operating Systems 30, Hardware & Software 20, Cyber Security 30, Applied Business Technologies 40

Finance & Entrepreneurship suggested courses:
Entrepreneurship 20, Personal Finance 20, Accounting 30, Business Communications 30, Retailing Perspectives 30, Career Development 30, Accounting 40, Business Management 40, Economics 40, Applied Business Technologies 40.

GRADE	COURSE DESCRIPTIONS	PREREQUISITES
10	**Business Communications 30S (BC30S0314)** Communication skills and techniques are essential for success in business, university, and as an essential life skill. This course will focus on developing written, verbal, and visual communication skills. With an emphasis on typing 40 words per minute, the course will integrate current technologies to assist students in developing communications that are clear, concise, and error free.	None
	Career Development – Planning 20S (CE20S0098) As students prepare to enter the workforce, this course will help them find their first job and allow them to research future career options. All aspects of career development will be explored, from research tools and career resources, to education and training opportunities. **By taking this course students can earn 2 additional credits if they have a part-time job.**	None
	Entrepreneurship 20S (BC20S0319) Engage your entrepreneurial spirit! This course allows students to be their own boss! Students will learn about what it takes to own a business. Students will learn about the aspects of running a business, analyzing marketing strategies, and investigating pricing strategies. Students will develop a mini in-school business venture.	None
	Hardware and Software Essentials 20S (HW20S9103) This hands-on course is an introduction to computer hardware, operating system management, network environments, and repair and configuration. Students will be required to disassemble and reassemble computers, troubleshoot potential problems with hardware, operating systems, and applications. Students successfully completing this course will gain troubleshooting skills that can be used in both home and workplace environments.	None
	Personal Finance 20S (BC20S0324) Want to learn about money? Take this course! We will teach you everything you need to know and answer all your questions: How am I going to pay for school? What is a credit score? How do I get a loan? How do I buy stocks? How do I budget myself? How do I avoid money stress? We focus on real life financial skills that you'll be glad you learned in high school!	None
	Computer Science 20S (Programming) (CP20S0280) This course introduces students to programming using the languages of Scratch and C#. Students will learn to input, process, and output information. They will also learn about making decisions, looping, and using methods. Learn skills in the fastest growing sector of our economy.	None

GRADE	COURSE DESCRIPTIONS	PREREQUISITES
11	**Retailing Perspectives 30S (BC30S0325)** • Learn the basics of customer service. • Do you want to know how a store marks up their prices to sell to customers? • Building and branding a store image. • Scheduling, conflict resolution, and managing employees.	None
	Business Communications 30S (BC30S0314) Communication skills and techniques are essential to success in business, school, and life. This course will focus on developing written, verbal, interpersonal, and visual communication skills. With an emphasis on typing 40 words per minute, the course will integrate current technologies to assist students in developing communications that are clear, concise, and error free.	None
	Career Development - Building 30S (CE30S0099) This career development course is designed to connect school learning with the workplace. Students will leave this course with certifications in LIFT Business Ethics, Safe Workers of Tomorrow, WHMISs training, Safety 1st, and Edge Factor career options. Students will be exposed to a wide variety of community speakers sharing their career experiences. Students may also have an out-of-school work experience component within the community. **By taking this course students can earn 2 additional credits if they have a part-time job**.	None
	Computer Science 30S (Programming) (CP30S0280) Deepen your understanding of object-oriented programming while creating console and GUI single frame applications using Java.	Computer Science 20S
	Cyber Security Essentials 30S (BC30S9106) Are your computer devices secure? This course focuses on securing operating systems such as Microsoft Windows. Students will focus on developing a toolbox of anti-malware products to scan and remove harmful computer viruses, worms, spyware, and rootkits. Students will be given the knowledge on how to identify and prevent hackers from remotely connecting to your devices.	Hardware & Software Essentials 20S
	Accounting Essentials 30S (BC30S0309) Do you like working with money? Thoughts of owning your own business one day? This course is a must! Students will cover the accounting cycle, cash control, payroll, and income tax. Assignments will be completed using Excel, QuickBooks, and Turbo Tax.	None
	Operating Systems 30S (BC30S9104) Are you interested in being able to troubleshoot common computer software problems? Would you like to know more about how operating systems run your computer? Would you like to know more about virtualization and cloud computing? Do you know the story of how Apple and Microsoft revolutionized the computer industry? The content of this course includes installation, configuration, and management of current operating systems, the history of the personal computer, and understanding why organizations are investing in virtualization and cloud computing.	Hardware & Software Essentials 20S

GRADE	COURSE DESCRIPTIONS	PREREQUISITES
12	**Business Management 40S (BC40S0316)** Students will demonstrate employability skills, business management, planning, and leadership.	None
	Accounting Systems 40S (BC40S0310) This is a second look at your company books, starting with adjusting and closing entries for a merchandising firm. Students will also learn about inventory, payroll, and specialized journals.	Accounting Essentials 30S
	Computer Science 40S (Programming) (CP40S0280) Expand your object-oriented programming knowledge by creating multi-frame GUI applications using Visual Basic.	Computer Science 30S
	Economic Principles 40S (BC40S0318) Do you want to understand what sets the prices of gas at your local gas station or how minimum wage, poverty, and education are all linked? Economics is about making choices regarding the efficient use of our world's scarce resources. It helps us understand wages and employment, wealth and poverty, government budgets and taxation.	None
	Career Development – Transitioning 40S – 2 Credits (CE40S0100/BC40S0326) (made up of Life/Work Transitioning credit & Topics & Trends in Business) This career development course is designed to put Grade 12 students in the world of work. You will transition from the classroom to the community in your desired career profession. Employment opportunities in the past have included insurance agencies, accounting, construction, medicine, and ECE's. This is a great opportunity for students to test drive a career. The core focus of this course is employability skills, personal management, and social responsibility. Students will spend approximately 50% of the afternoon at a work placement. **It is the responsibility of the student to get to their work placement. This may require the use of a vehicle.**	None
	Applied Business Technologies 40S (BC40S0311) This course is a Grade 12 level course, however, students in grade 10 through 12 are encouraged to register as early as possible. You will learn all of the programs necessary for your high school courses offered both here and remotely. Employers and universities expect students will come to their workplaces and programs with a thorough understanding of Office Products.	None



FRENCH IMMERSION

Program Major

Le programme d'immersion française a pour but de produire des élèves qui sont fonctionellement bilingues en employant le français comme langue d'enseignement et de communication. Le programme comprend quatre résultats d'apprentissage dans les domaines de la comprehension orale, de la comprehension écrite, de la production orale et de laproduction écrite. Les élèves vont aussi voir plusieurs avantages que la connaissance de la langue française offre au Canada et ailleurs. Ce programme vise en somme a développer la capacité de l'élève a communiquer, à apprendre, à developper des stratégies et a apprécier la culture de la francophonie.

The goal of the French Immersion program is to produce students that are functionally bilingual through French instruction and communication. The program includes four learning outcomes in the areas of oral comprehension, written comprehension, oral production proficiency, and written production proficiency. Students will begin to understand the many advantages of being bilingual in Canada and abroad. In conclusion, the program's aim is to develop the capacity of the student to communicate, learn, and appreciate the culture of the francophone world.

Grade 10		Grade 11		Grade 12	
Compulsory Courses	English 20 Phys. Ed 20 Français Arts Langagiers 20 Les enjeux géographiques du XXIe siècle 20 Sciences de la nature 20 Mathématiques au quotidien 20	**Compulsory Courses**	English 30 Phys. Ed. 30 Langue et Communication 30 Histoire du Canada 30 Mathématiques au quotidien 30	**Compulsory Courses**	English 40 Phys. Ed. 40 Langue et Communication 40 Les enjeux mondiaux : citoyenneté et durabilité 40 Mathématiques au quotidien 40
Electives	Plus Non-Major Electives	**Electives**	Plus Non-Major Electives	**Electives**	Plus Non-Major Electives

Students must earn at least 14 credits from courses taught in French to meet the minimum requirements of the Provincial French Immersion Program Diploma:

- In Grade 9, a minimum of four credits from courses taught in French.
- In Grade 10, a minimum of four credits from courses taught in French.
- In Grade 11, a minimum of three credits from courses taught in French.
- In Grade 12, a minimum of three credits from courses taught in French.

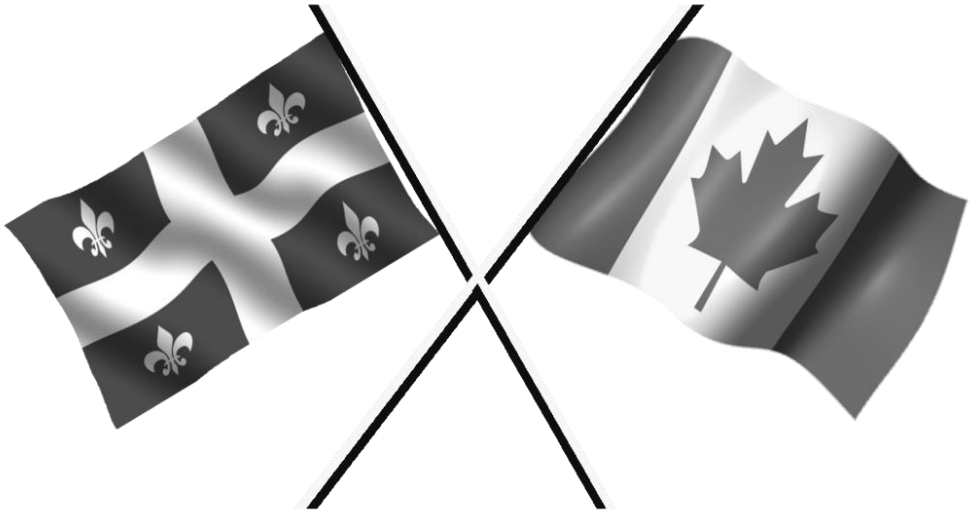
*Note that students cannot earn credits in both French Immersion courses and their English equivalents.

FRENCH IMMERSION

Program Major

Grade	Course Descriptions	Prerequisites
10	**Français Arts Langagiers 20F (FC20F0401)** Ce cours aidera les élèves à développer leurs habiletes de compréhension orale et écrite ainsi que leurs compétences en production « ecrete et orale au travers de la littérature francophone authentique, du cinéma français, de activités orales et des compositions écrites. This course will help students develop their oral and written comprehension skills as well as their written and oral production proficiency through authentic francophone literature, French film, oral activities and written compositions.	Français 10F
	Les enjeux geographiques du XXIe siècle (SU20F1180) Dans ce cours, les élèves explorent la nature de la géographie et développent des compétences liées à la pensée géographique. Les élèves utiliseront les méthodes et les outils de la géographie, y compris les systèmes d'information géographique (SIG), pour examiner les enjeux et proposer de solutions. In this course, students explore the nature of geography and develop skills related to geographical thinking. Students will use the methods and tools of geography, including geographic information systems (GIS) to examine issues and to propose solutions to the same.	Science umaines 10F
	Sciences de la nature 20F (SN20F0120) Ce cours se compose de quatre unités principales : dynamique dans les écosystèms, chimie en action, le mouvement et la dynamique météorologique. Ces unités aident à fournir aux élèves quelques concepts scientifiques de base afin qu'ils puissent mieux comprendre les enjeaux du monde qui les entoure. Ces unités fournissent également une introduction à la biologie, la chimie, la physique et les sciences de la terre. This course consists of four major units : Dynamics in Ecosystems, Chemistry in Action, in Motion, and Weather Dynamics. These units help to provide students with some basic scientific concepts so that they can better understand issues in the world around them. These units also provide an introduction to biology, chemistry, physics, and earth sciences.	Sciences Naturelles 10F
	Mathématiques au quotidien 20S (MQ20S3000) Ce cours est conçu pour fournir aux élèves les connaissances mathématiques et les habiletés do pensée critique qui leur permettront d'entrer dans la maorité des métiers et d'entrer directement dans le marché du travail. Les décisions de consommation que les élèves prendront dans leur vie future sont examinées. This course is designed to provide students with the mathematical understanding and critical thinking skills identified for entry into the majority of the trades and for direct entry into the workforce. Consumer decisions, which students will encounter in their future lives are examined.	Mathématiques 10F
11	**Langue et Communication 30S (FC30S0432)** Ce cours aidera les élèves à perfectionner leurs habiletés de compréhension orale et écrite ainsi que leurs compétences en production écrite et orale au travers de la littérature, de la poésie et du théâtre francophones authentiques, du cinéma et des médias français, de la musique et de la culture francophones, des présentations orales et des compositions écrites formelles. This course will help students perfect their oral and written comprehension skills as well as their written and oral production proficiency through authentic francophone literature, poetry, and theatre, French film and media, francophone music and culture, oral presentations, and formal written compositions.	Français Arts Langagiers 30S
	Histoire du Canada 30F (HS30F0105) Ce programme appuie la citoyenneté comme concept de base et fait participer les élèves à des enquetes historiques. Guideés par des questions essentielles, les élèves se concentrent sur l'histoire du Canada de la période prédédant le contact jusqu' à aujourd'hui. Grâce à ce processus, les élèves réfléchissent à l'histoire et acquièrent des connaissances drables sur cinq thèmes centraux de l'histoire du Canada. This curriculum supports citizenship as a core concept and engages students in historical inquiry. Guided by essential questions, 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 five central themes in Canadian history.	Les enjeux géographiques du XXIe siècle 20F
	Mathématiques au quotidien 30S (MQ30S3000) Ce cours s'adresse aux étudiants dont la planification postsecondaire ne met pas l'accent sur les mathématiques et les sciences. Les élèves travaillent sur les concepts et les compétences mathématiques que l'on retrouve dans la vie quotidienne d'une société technologique. This course is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Students work on mathematical concepts and skills encountered in everyday life in a technological society.	Mathématiques au quotidien 20S

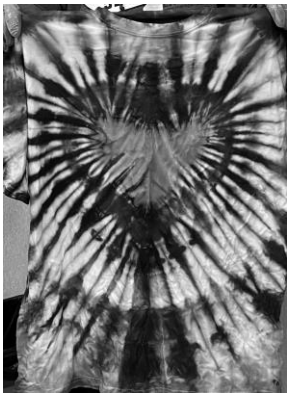
Grade	Course Descriptions	Prerequisites
12	**Langue et Communication 40S (FC40S0432)** Ce cours aidera les élèves à perfectionner leurs habiletés de compréhension orale et écrite ainsi que leurs compétences en production écrite et orale au travers de la littérature, de la poésie et du théâtre francophones authentiques, du cinéma et des médias français, de la musique et de la culture francophones, des présentations orales et des compositions écrites formelles. This course will help students perfect their oral and written comprehension skills as well as their written and oral production proficiency through authentic francophone literature, poetry, and theatre, French film and media, francophone music and culture, oral presentations, and formal written compositions.	Français Arts Langagiers 30S
	Enjeux mondiaux : citoyenneté et durabilité 40S (HS40S1128) Les élèves mènent des enquêtes sur les répercussions sociales, politiques, environnementales et économiques d'une variété de questions contemporaines et émergentes dans le monde. Au travers de leur enquête, ils se concentrent sur les questions de qualité de vie aux niveaux local, national et mondial. La concentration quotidienne sur les affaires courantes est une partie importante de ce cours. Il n' y a pas d'examen, mais un élément clé du cours est la planification et la mise en œuvre d'un projet de recherche-action communautaire. Students conduct inquiry into the social, political, environmental, and economic impact of a variety of contemporary and emerging issues in the world. Through their inquiry, they focus on questions of quality of life locally, nationally, and globally. Daily focus on current affairs is an important part of this course. There is no exam, but a key component of the course is the planning and implementation of a community-based action research project.	Histoire du Canada 30F
	Mathématiques au quotidien 40S (MQ40S3000) Ce cours s'adresse aux étudiants dont la planification postsecondaire ne met pas l'accent sur les mathématiques et les sciences. Les sujets traités sont : l'analyse des jeux et des chiffres, le financement des véhicules, les statistiques, la mesure de précision, le financement du logement, la géométrie et la trigonométrie, le financement des entreprises, la probabilité et la vie professionnelle. This course is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Topics include: analysis of games and numbers, vehicle finance, statistics, precision measurement, home finance, geometry and trigonometry, business finance, probability, and career life.	Mathématiques au quotidien 30S



HUMAN ECOLOGY

Program Major

Human Ecology courses provide an interdisciplinary approach that integrates social and physical science theory and action through the study of everyday living. It contributes to empowering individuals to become active and informed members of society who are able to live independently, within thriving families, and in dynamic communities. The Human Ecology areas include Family Studies, Food and Nutrition, and Textile Arts and Design.



	Grade 10		Grade 11		Grade 12
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 History 30 Phys. Ed. 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Electives	Food and Nutrition 20	**Electives**	Food and Nutrition 30	**Electives**	Food and Nutrition 40
	Family Studies 20		Family Studies 30		Applied Family Studies 40
	Textile Arts & Design 20		Textile Arts & Design 30		Family Studies 40
	Plus Non-Major Electives		Plus Non-Major Electives		Textile Arts &Design 40
					Plus Non-Major Electives

Human Ecology majors must select two subject areas and take a minimum of two courses in each area over three years. (Food and Nutrition, Family Studies, and Textile Arts & Design)

Family Studies 40 must be taken by all Human Ecology program majors.

A minimum of six credits in Human Ecology is required to complete a Human Ecology major.

HUMAN ECOLOGY

Program Major

Grade	Course Descriptions	Prerequisites
10	**Family Studies 20S (FA20S0487)** Students focus on the skills and knowledge parents and caregivers need, with emphasis on maternal health, pregnancy, birth, and the early years of human development. Students will learn about the developmental needs, affective care, and guidance of young children.	None
	Textile Arts and Design 20S (TX20S0488) Students examine the broader knowledge and skills required to design and create textile products. Students will examine the basics of creative costuming, cultural fashion design, and consumer practices that have an impact on individuals within their community.	None
	Food and Nutrition 20S (FN20S0489) Students focus on the individual within the family unit and the influence that marketing and media have on family food choices. Students will gain a strong understanding of the categories of nutrients, why our bodies need them and what foods are consumed for health and well-being.	None
11	**Family Studies 30S (FA30S0487)** Students focus on childrens' relationships within their families. Students will learn about development needs, affective care, and positive interactions with children in the nursery school.	Family Studies 20S
	Textile Arts and Design 30S (TX30S0488) Students focus on enhanced knowledge and skill development in textile design and construction. Students will examine the areas of creative costuming, cultural fashion design, and consumer practices that have an impact on individuals and communities.	Textile Arts & Design 20S
	Food and Nutrition 30S (FN30S0489) Students focus on the individual within the community and Canada, including the influence regions have on our food choices and personal practices. Students will be exposed to food and production in Manitoba and examine food availability within Manitoba.	Food and Nutrition 20S
12	**Family Studies 40S (FA40S0487)** Students emphasize the transition from adolescence to adulthood with the ability to examine and practice skills that help develop healthy interpersonal relationships. The skills and knowledge will provide the opportunity for students to make informed and responsible life management choices now and in the future.	Family Studies 20S
	Textile Arts and Design 40S (TX40S0488) Students focus on advanced knowledge and skill development in textile design and construction. Students will examine in-depth areas of creative costuming, cultural fashion design, and consumer practices that have an impact on individuals and communities.	Textile Arts & Design 30S
	Food and Nutrition 40S (FN40S0489) This course is a critical examination of the individual as a responsible citizen and will explore sustainability and ethical practices within food production and access. Students will examine food security and barriers that exist to achieving food security for all people.	Food and Nutrition 30S
	Applied Family Studies 40S (FA40S0491) This course prepares students for a caregiving role with infants, toddlers, and children through the study of child development. The skills and knowledge are applied to a 40-hour practical experience with children where students will observe, guide behaviour, ensure health and safety, and participate in play-based learning experiences.	Family Studies 30S

PERFORMING ARTS

Program Major

A Performing Arts Program Major offers students the opportunity to specialize in the performing arts. Because our students often become very involved in all three areas, many have a broad sampling of courses. Students can choose a specific focus – Band, Vocal, or Drama, or may have a more broad experience. Students must select at least three Performing Arts courses at the Grade 10 level, at least four P.A. courses at the Grade 11 level, and at least four P.A. courses at the Grade 12 level to achieve a Performing Arts Major designation. The selections may be from any of the three P.A. areas and in any combination, offering the students the ability to tailor their experience to their interests and skill sets. Many students end up with more than the required credits.

Grade 10		Grade 11		Grade 12	
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 Phys. Ed. 30 History 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Electives	**Select three or more from the list below**	**Electives**	**Select four or more from the list below**	**Electives**	**Select four or more from the list below**
	Concert Band 20		Concert Band 30		Concert Band 40
	Jazz Band 20		Jazz Band 30		Jazz Band 40
	Symphonic Band 20		Symphonic Band 30		Symphonic Band 40
	Drama 20		Jazz Improvisation 30		Jazz Improvisation 40
	Concert Choir 20		Drama 30		Drama 40
	Vocal Jazz 20S		Drama Production 30		Drama Production 40
	Drama Production 20		Film Studies 30		Cinema as a Witness to Modern History 40
	Plus Non-Major Electives		History of Western Music 35		History of Western Music 45
			Composition (1) 35 Composition (2) 35		Composition (1) 45 Composition (2) 45
			Fundamentals in Music I 30		Fundamentals of Music II 40
			Concert Choir 30		Concert Choir 40
			Vocal Jazz 30		Vocal Jazz 40
			Chamber Choir 30		Chamber Choir 40
			Plus Non-Major Electives		Plus Non-Major Electives

Program Major

Grade	Course Descriptions	Prerequisites
10	**Drama 20S (EN20S0239)** This introductory acting course aims to develop student awareness of the drama elements (movements, sound voice, design) and process (relaxation / preparation, concentration, imagination, listening, observation, characterization). Emphasis will be on the drama experience.	None
	Drama Production 20S (EN20S0246) Students produce a piece of theatre for public performance. From auditions and acting, to set building and ticket sales, this course will challenge students with a wide spectrum of language tasks. Students taking this course are expected to commit to some hours outside of regular school time.	None
	Concert Band 20S (BD20S0258) Concert Band offers students an opportunity to grow, explore, and refine their learning, literacy, and musicianship; inspiring a greater and more discerning interest, understanding, and appreciation of music, culture, and the arts.	Band 10S
	Concert Choir 20S (VO20S0260) This course is designed for students who have an interest in learning music through singing. In this course students will learn the fundamentals of vocal production, develop aural and reading skills, and grow as choral musicians through performance of various styles of choral repertoire. **This course runs at noon hour.**	None
	Jazz Band 20S (BD20S0264) Students will participate, experiment and explore music through performance, listening, and viewing of the medium of Jazz. The course is largely focused on improvisation and communication within the group while students continue to innovate in the Jazz field. Students will learn to play ever-increasing variety of styles while gaining a more comprehensive understanding of the jazz idiom.	Registered in Concert Band 20S
	Junior Symphonic Band 20S (BD20S0262) The Junior Symphonic Band is a performance based large ensemble that challenges each student to attain the highest level of performance, understanding, and musicianship while acquainting them with an increased awareness, ever-expanding knowledge and appreciation of music and the arts. A student can earn one Symphonic Band credit each year and earn a total of three Symphonic Band credits if they participate in the Symphonic Band Program in Grade 10, Grade 11, and Grade 12. Students may choose to participate in both the Junior Symphonic Band and the Senior Symphonic Band during the same school year. However, students will only be eligible to earn one credit through the Senior Symphonic Band course and the Junior Symphonic Band course would be strictly an enrichment experience. **The Junior Symphonic Band class meets on Tuesday and Thursday mornings before school.**	Registered in Concert Band 20S
	Vocal Jazz 20S (VO20S0266) This course is designed for students who would like to sing in a smaller vocal setting. In this ensemble, students learn to perform with microphones. Students learn vocal jazz techniques and style through the study of jazz as well as current popular music repertoire.	Registered in Concert Choir 20S

Grade	Course Descriptions	Prerequisites
11	**Drama 30S (EN30S0239)** This course continues to emphasize the elements and process of drama The experience extends to working with both published and original scripts. Students will experiment with the interpretation, creation, and performances of scripts.	Drama 20S or Drama Production 20S
	Chamber Choir 30S (VO30S0268) This course is designed for students who participate in Concert Choir and would like to work in a smaller vocal setting, singing more select styles of vocal repertoire. This ensemble is selected by audition only. Due to the nature of chamber repertoire, students must have a strong sense of musical independence and above-average vocal technique.	Audition Required Registered in Concert Choir 30S
	Composition (1) 35S (MU35S0265) **Composition (2) 35S (MU35S0273)** Composition enables students to explore the creation and structure of music from their own creative abilities. Writing melodies, advanced studies in harmony, musical form and structure are all explored in the composition units of this course. The use and application of instruments, their families, and how they work together are heavily studied in the Orchestration units of this course. This course consists of two half-credits. Students must choose both.	Registered in Concert Band 30S
	Concert Band 30S (BD30S0258) Concert Band offers students an opportunity to grow, explore, and refine their learning, literacy, and musicianship; inspiring a greater and more discerning interest, understanding, and appreciation of music, culture, and the arts.	Concert Band 20S
	Concert Choir 30S (VO30S0260) This course is an extension of Concert Choir 20S. Students will continue to enhance their vocal skills to attain a greater understanding of general music harmony, terminology and musicianship as it pertains to the singer. Many different styles of music will be explored through performances. **This course runs at noon hour.**	Concert Choir 20S
	Drama Production 30S (EN30S0246) Students produce a piece of theatre for public performance. From auditions and acting, to set building and ticket sales, this course will challenge students with a wide spectrum of language tasks. Students taking this course are expected to commit to some hours outside of regular school time.	Drama 20S
	Film Studies 30S (FM30S0276) This course will introduce students to the study of film as an artistic, commercial, and entertainment media. As part of this course, films/film clips will be regularly viewed and analyzed in class.	English 20F
	Fundamentals in Music I 30S (MU30S0272) Fundamentals in Music I is a close-knit class that introduced basic musical theory and ear training. This course strengthens your skills as a musician through the study of theory, music philosophy, and its connection to life, relationships and sound. The course is open to all students including those not enrolled in the music program.	The ability to read music beyond the beginner level.

Program Major

Grade	Course Descriptions	Prerequisites
11	**Jazz Band 30S (BD30S0264)** Students will participate, experiment and explore music through performance, listing, and viewing of the medium of Jazz. The course is largely focused on improvisation and communication within the group while students continue to innovate in the Jazz field. Students will learn to play an ever-increasing variety of styles with gaining a more comprehensive understanding of the jazz idiom.	Registered in Concert Band 30S
	Jazz Improvisation 30S (BD30S0270) Jazz Improvisation introduced the practice, history, theory, and experience of creating stylistic Jazz solos in a small group setting. Students learn and explore different styles of Jazz while improvising solos that fit the style and sound while still performing in their own individual style. The course allows students to participate and grow through the great library of Jazz repertoire and study the musicians that played them.	Jazz Band 30S
	Symphonic Band 30S (BD30S0262) The Senior Symphonic Band is a performance-based large ensemble that challenges students to attain the highest level of performance, understanding, and musicianship while acquainting them with an increased awareness, ever expanding knowledge and appreciation of music and the arts. A student can earn one Symphonic Band credit each year and earn a total of three Symphonic Band credits if they participate in the Symphonic Band Program in Grades 10, 11, and 12. Students may choose to participate in both the Junior Symphonic Band and the Senior Symphonic Band during the same school year. However, students will only be eligible to earn one credit through the Senior Symphonic Band course and the Junior Symphonic Band course would be strictly an enrichment experience. The Senior Symphonic Band class meets after school on Tuesdays and Thursdays.	Audition Required for Senior Symphonic Registered in Concert Band 30S
	Vocal Jazz 30S (VO30S0266) This ensemble will serve as an extension of Concert Choir. The students will continue to cultivate a deeper understanding of the jazz idiom through the performance of a variety of styles. This ensemble is selected by audition only. Due to the size and nature of vocal jazz, students must have a strong sense of musical independence and above-average vocal technique.	Audition Required Registered in Concert Choir 30S

Grade	Course Descriptions	Prerequisites
12	**Drama 40S (EN40S0239)** At this level, students should understand the nature and scope of drama and be able to plan sustained original creations as well as work with existing scripts using a variety of resource formats.	Drama 30S or Drama Production 30S
	Chamber Choir 40S (VO40S0268) This course is designed for students who participate in Concert Choir and would like to work in a smaller vocal setting, singing more select styles of vocal repertoire. This ensemble is selected by audition only. Due to the nature of chamber repertoire, students must have a strong sense of musical independence and above-average vocal technique.	Audition Required Registered in Concert Choir 40S
	Composition (1) 45S (MU45S0265) **Composition (2) 45S (MU45S0273)** Composition enables students to explore the creation and structure of music from their own creative abilities. Writing melodies, advanced studies in harmony, musical form and structure, are all explored in the composition units of this course. The use and application of instruments, their families and how they work together are heavily studied in the Orchestration units of this course. This course consists of two half-credits. Students must choose both.	Registered in Concert Band 40S
	Concert Band 40S(BD40S0258) Concert Band offers students an opportunity to grow, explore, and refine their learning, literacy, and musicianship; inspiring a greater and more discerning interest, understanding, and appreciation of music, culture, and the arts.	Concert Band 30S
	Concert Choir 40S (VO40S0260) This course is an extension of Concert Choir 30S. The student will continue to enhance their vocal skills to attain a greater understanding of general music harmony, terminology, and musicianship as it pertains to the singer. Many different styles of music will be explored through performances. **This course runs at noon hour.**	Concert Choir 30S
	Drama Production 40S (EN40S0246) Students produce a piece of theatre for public performance. From auditions and acting, to set building and ticket sales, this course will challenge students with a wide spectrum of language tasks. Students taking this course are expected to commit to some hours outside of regular school time.	Audition Required Drama 30S or Drama Production 30S
	Fundamentals in Music II 40S (MU40S0272) Fundamentals in Music II continues to strengthen your skills as a musician through the study of more advanced music theory, philosophy and its connection to life, relationships, and sound. The course focuses on the concept of harmony and can be considered good preparation for a university theory entrance exam. This course is built on the concepts previously presented in Fundamentals in Music I.	Fundamentals in Music I 30S
	History of Western Music 45S (MU45S0259 / MU45S0263) The History of Western Music surveys the development and evolution of music in the western world from Medieval times through to present day. Listening, analyzing, researching, writing, and discussion are integral elements of learning that are explored. The course provides a strong foundation for students entering music studies at the post-secondary level.	None
	Cinema as a Witness to Modern History 40S (SS40S1123) In this course students will evaluate cinema as a source of "information". Students will be encouraged to think critically about cinema's retelling of history and the impact society plays in the creation of film. Films viewed and analyzed will include documentaries, comedies, and a variety of dramatic selections from Canadian, American, and International cinema.	None

Grade	Course Descriptions	Prerequisites
12	**Jazz Band 40S (BD40S0264)** Students will participate, experiment and explore music through performance, listening, and viewing of the medium of Jazz. The course is largely focused on improvisation and communication within the group while students continue to innovate in the Jazz field. Students will learn to play an ever-increasing variety of styles while gaining a more comprehensive understanding of the Jazz idiom.	Registered in Concert Band 40S
	Jazz Improvisation 40S (BD40S0270) Jazz Improvisation introduces the practice, history, theory, and experience of creating stylistic Jazz solos in a small group setting. Students learn and explore different styles of Jazz while improvising solos that fit the style and sound while still performing in their own individual style. The course allows students to participate and grow through the great library of Jazz repertoire and study the musicians that played it.	Jazz Band 40S
	Symphonic Band 40S (BD40S0262) The Senior Symphonic Band is a performance-based large ensemble that challenges students to attain the highest level of performance, understanding, and musicianship while acquainting them with an increased awareness, ever-expanding knowledge, and appreciation of music and the arts. A student can earn one Symphonic Band credit each year and earn a total of three Symphonic Band credits if they participate in the Symphonic Band Program in Grade 10, Grade 11, and Grade 12. Students may choose to participate in both the Junior Symphonic Band and the Senior Symphonic Band during the same school year. However, students will only be eligible to earn one credit through the Senior Symphonic Band course and the Junior Symphonic Band course would be strictly an enrichment experience. **The Senior Symphonic Band class meets after school on Tuesdays and Thursdays.**	Audition Required for Senior Symphonic Registered in Concert Band 40S
	Vocal Jazz 40S (VO40S0266) This ensemble will serve as an extension of Vocal Jazz 30S. The students will continue to cultivate a deeper understanding of the Jazz idiom through the performance of a variety of styles. This ensemble is selected by audition only. Due to the size and nature of Vocal Jazz, students must have a strong sense of musical independence and above-average vocal technique.	Audition Required Registered in Concert Choir 40S

VISUAL COMMUNICATIONS

Program Major

The visual communications program is aimed at students who want to experience a wider variety of our visual arts courses. Students will be able to select courses from the following areas: graphic design, visual arts, digital print media, and photography.

Students will develop their own visual communication program major depending on their own interests and career goals.

Pre-requisites should be looked at carefully to ensure students register for the correct courses and levels.

Grade 10		Grade 11		Grade 12	
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 History 30 Phys. Ed. 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Select <u>three</u> or more courses from the list below		**Select <u>four</u> or more courses from the list below.**		**Select <u>four</u> or more courses from the list below.**	
Electives	Print Media Fundamentals 20 *	**Electives**	Design 30 *	**Electives**	Advanced Design 40 *
	Fundamentals of Graphic Design 20 #		Graphic Communication Tech 40 *		Advanced Pre-press 40 *
	Intro to Photography 20 @		Pre-Press 30 *		Advanced Print Production 40 *
	Drawing 20 %		Print Production 30 *		Applied Print Media 40 *
	Visual Arts 20 %		Graphic Design & Layout 30 #		Advanced Graphic Design & Layout 40 #
			Illustration for Graphic Design 30 #		Advanced Illustration for Graphic Design 40S #
			Interactive Graphic Design 30 #		Advanced Interactive Graphic Design 40 #
			Photographic Equipment 30 @		Graphic Design Portfolio 40 #
			Contermporary Art Making 30 %		Advanced Digital Darkroom 40 @
			Visual Arts 30 %		Advanced Photographic Equipment 40 @
					Applied Media Technology 40 @
					Visual Arts 40 %

Legend:
* See Digital Print Media, page 36
# See Graphic Design, page 40
@ See Photography, page 46
% See Visual Arts, page 47

VOCATIONAL PROGRAM MAJORS

Vocational programs enable students to enter the world of work upon graduation or attend college or university provided entrance requirements are met. Vocational instruction is offered in many areas including: Automotive Technology, Culinary Arts, Design Drafting, Digital Print Media, Electrical Trades Technology, Graphic Design, Hairstyling, and Industrial Welding and Metal Fabrication.

Apprenticeship Manitoba, Entrepreneurship, and Training and Trade will recognize and accredit a training provider's program where the training provider can demonstrate conformance with Apprenticeship Manitoba Technical Training and accreditation standards. If a student graduates from an accredited training program with a minimum final cumulative average of 70% or better in the trade subjects and level for which the program is accredited, he or she is entitled to receive credit toward their apprenticeship. Please see each vocational program's description for more information.

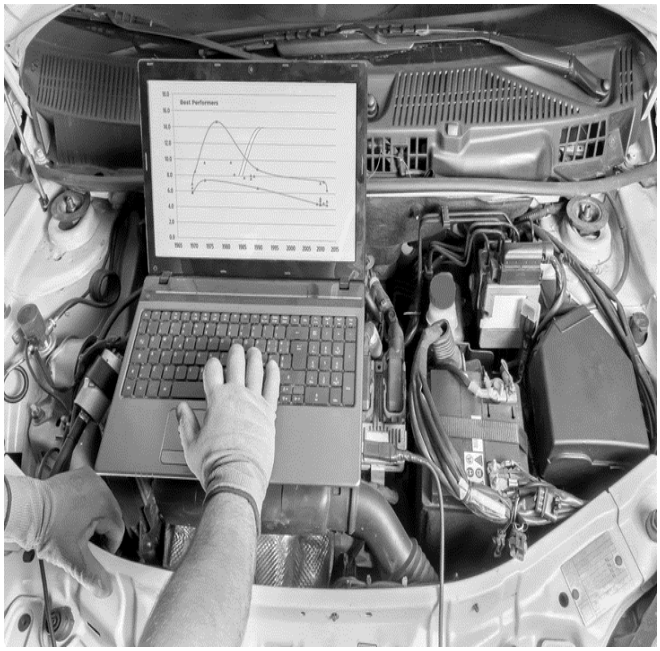
Once students are enrolled in vocational programs, the expectation is that students will closely follow safety procedures, attend regularly, be punctual, work to the best of their ability, have a positive attitude, meet all pre-requisite courses, and observe deadlines. Failure to adhere to these industry-based expectations can result in the instructor not approving the student's continuation in the vocational program. If a program is running at capacity, preference will be given to students who have declared a program major and best demonstrate these industry-based expectations.

In many of the heavy industry vocational programs, students are required to purchase safety glasses, steel-toe boots, and coveralls. Vocational teachers will let students know on the first day of class what supplies are needed. Students will have time to purchase supplies before they are required in the work areas.

Additional vocational/trades elective courses that students may wish to take are listed on pages 46 to 48.

Vocational Program Major

The Automotive Technology program follows guidelines that lead to employment and/or post-secondary education and is designed for students with a strong interest in the automotive field. The program is a combination of classroom theory and practical experiences through which students can develop knowledge and skills that lead to careers in transportation and related industries.



Students are exposed to the latest technology and equipment to learn the fundamentals and current advances in the Automotive Industry. Those students who major in Automotive Technology gain experience in the operation, diagnosis, servicing, and repair of systems and components such as engines, brakes, powertrain, suspension, and electronic and performance units. Students in their final year may also gain experience in the workplace through work practicums.

Employment opportunities exist in the technical, parts, service, and retail sectors of automotive, recreational, commercial, and agricultural facilities.

Students are required to provide and wear coveralls, safety footwear and safety glasses. To receive the LSRCSS Automotive Technology program major diploma students must complete all 10 courses.

Grade 10		Grade 11		Grade 12	
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 Phys. Ed. 30 History 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Electives	Intro to Auto-Tech 10	**Electives**	Automotive Systems & Service 20	**Electives**	Auto Electrical Systems 40
	Introduction to Heavy Duty Equipment 20		Engine Fundamentals 30		Vehicle Systems 1 40
	Plus Non-Major Electives		Drivetrain Fundamentals 30		Vehicle Systems 2 40
			Chassis Fundamentals 30		Applied Diagnostic Strategies 40
			Plus Non-Major Electives		Plus Non-Major Electives

AUTOMOTIVE TECHNOLOGY

Vocational Program Major

Grade	Course Descriptions	Prerequisites
10	**Introduction to Automotive Technology 10S (AT10S8695)** This course is intended for students in the automotive technology program. Students will build on knowledge acquired in regard to safety, tools and equipment, automotive systems, and service procedures. Information presented will expand more on actual theory and proper service of vehicles and their related components. Emphasis is on hands-on procedures.	None
	Introduction to Heavy Duty Equipment Technician 20S (AT20S8673) An introductory course designed to help students develop an understanding of possible careers in the heavy-duty equipment service and repair industry. The course will provide students with the knowledge of the basic principles related to heavy-duty equipment systems and service. Students learn safety practices, tools and equipment, and heavy duty equipment systems and service procedures, and are introduced to diagnosis strategies. Emphasis is on hands on procedures in regards to safe work practices, tools and equipment, and required job skills.	These two courses must be taken together
11	**Automotive Systems and Service 20S (AT20S8696)** 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, tools, and equipment including automotive systems and service procedures, are introduced to diagnostic strategies, and learn about tires, wheels and hubs.	All Grade 10 Auto Tech Electives These four courses must be taken together
	Engine Fundamentals and Service 30S (AT30S8697) A student wanting to develop skills in the automotive service and repair industry must have knowledge of the basic principles of the internal combustion engine, the inner workings and relations of the engine components and how those relate to vehicle operation. The student will learn procedures to service, repair, and replace engines and their components. They will also learn about the mathematics required for the automotive trade.	
	Chassis Fundamentals and Service 30S (AT30S8698) A student wanting to develop skills in the automotive industry must have knowledge of the basic principles of the vehicle chassis and its brake system. The student will be able to describe, diagnose, and repair braking, steering, and suspension systems. The student will develop an understanding of the principles of wheel and steering alignment and be able to apply the principles to diagnose and align steering systems.	
	Drivetrain Fundamentals and Service 30S (AT30S8699) A student wanting to develop skills in the automotive industry must have knowledge of the basic principles of vehicle drivetrain. The student will develop an understanding of the different drivetrain configurations and their components. The student will be able to diagnose and repair a variety of drivetrain components.	
12	**Automotive Electrical Systems 40S (AT40S8700)** A student wanting to develop skills in the automotive industry must have knowledge of the basic principles of automotive electrical systems. The student will understand the principles of electricity and electronics as they relate to automotive systems. The student will be able to diagnose, service, and repair automotive electrical circuits and components.	All Grade 11 Auto-Tech Electives These four 40S courses must be taken together
	Vehicle Systems Part 1 40S (AT40S8701) A student wanting to develop skills in the automotive industry must have knowledge of the operation of the automotive electronic and control systems. Learning about the principles of ignition, control, and communications systems will further enhance students' knowledge in electrical systems. The student will be able to diagnose, service and repair ignition, control and communications systems.	
	Vehicle Systems Part 2 40S (AT40S8702) A student wanting to develop skills in the automotive industry must have knowledge of engine management and emission systems. The student will be able to use electronic diagnostic interface to diagnose, service and repair engine management and emission systems. They will also learn about hybrid and electrical vehicles.	
	Applied Diagnostic Strategies 40S (AT40S8703) A student wanting to expand skills in the automotive industry must be able to apply diagnostic strategies to a variety of vehicle systems and components. The students will demonstrate the ability to diagnose and correct customer concerns and to complete vehicle repairs to accepted industry standards. They will also learn about components and trim.	

CULINARY ARTS

Vocational Program Major

Our Culinary Arts program is accredited with Apprenticeship Manitoba. The Culinary Arts Program will introduce you to the field of professional cooking through classwork, hands-on projects, demonstrations, practical skills development, and daily production for our school cafeteria. Safety and sanitation, tools and equipment, basic cooking methods, soup and sauce production, basic baking and pastry work, meats and poultry, menu planning, kitchen management, and cold food production are all covered throughout the three years in Culinary Arts. The training you receive here will focus on developing strong basic culinary skills and an ability to work in a clean and organized manner. The program will appeal to students with creativity, physical stamina, good manual dexterity, the ability to work under tight timelines and willingness to taste and experiment with many different and unfamiliar foods. Note: Each student will be required to purchase a chef's hat for $8.00, a hairnet if they have long hair, and to always wear long pants and closed-toed shoes for safety reasons while in our kitchen.

Career opportunities in the hospitality and tourism industry are available around the world. There is presently a tremendous demand for skilled and talented chefs, cooks, bakers, and managers, meaning you may find work in this field almost anywhere in the world you might want to live. A Culinary Arts student may become an Apprentice cook and may aspire to become a chef, pastry chef, baker, chocolatier, research chef, maitre'd, somelier, restaurant owner or manager, food service worker, or manager.

Grade 11 and 12 students should expect to spend part of their class time on production for the school cafeteria.

To receive the LSRCSS Culinary Arts program major diploma students must complete all 8 courses.

Grade 10		Grade 11		Grade 12	
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 Phys. Ed. 30 History 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Electives	Cooking Principles 20	**Electives**	Garde Manger 30	**Electives**	Menu Planning 40
	Plus Non-Major Electives		Veg. Fungi, Starches 30		Meats, Poultry, Fish 40
			Patisseries & Baking 30		Breakfast & Dairy 40
			Plus Non-Major Electives		Stocks, Soups & Sauces 40
					Plus Non-Major Electives

CULINARY ARTS

Vocational Program Major

Grade	Course Descriptions	Prerequisites
10	**Cooking Principles 20S (CA20S8791)** A basic introduction to Culinary Arts. Students will explore sanitation and safety, tools and equipment, basic cooking methods and they will develop practical skills including extensive knife work. This course is the prerequisite to all the Culinary Arts classes. Students will be expected to handle and taste animal products such as dairy, eggs and some meat products in this class.	None
11	**Garde Manger 30S (CA30S8792)** This course will introduce you to the types and preparation of salads, dressings and the principal types of sandwiches and other cold foods. Students will be expected to handle and taste animal products such as dairy, eggs and some meat products in this class.	Cooking Principles 20S
	Vegetables, Starches & Products 30S (CA30S8794) This course will introduce you to the preparation of various vegetables and fruits, fungi (mushrooms), pastas, dumplings, rice and potatoes.	
	Patisserie & Baking 30S (CA30S8793) This is an introduction to baking and pastry arts. You will learn about ingredients, yeast breads, quick breads, pies & pastry, cookies & cakes through a variety of hands-on projects.	
12	**Breakfast & Dairy 40S (CA40S8796)** This course will introduce you to a variety of egg preparations, breakfast meats, pancakes, waffles & muffins and some specialty breakfast items. As well, you will explore a variety of dairy products including cheese and some lactose-free alternatives. Students will be expected to handle and taste animal products such as dairy, eggs and some meat products in this class.	Garde Manger 30S and Veg, Starches & Products 30S and Patisserie & Baking 30S
	Menu Planning & Food Costing 40S (CA40S8797) This course will introduce you to the principles of kitchen management, from ordering food items, receiving and storing food properly, to stock rotation and planning a menu.	
	Meats, Poultry, Fish & Seafood 40S (CA40S8798) This course provides an overview of the composition and structure of meats, Canadian inspection and grading systems. Students will apply different types of cooking methods used with preparing beef, veal, pork, lamb and poultry. They will also be introduced to different types of seafood, fish and their cooking methods. Students can expect extensive handling of raw and cooked meats and seafood in this class. There will also be extensive tasting of animals products. This class may not be suitable for vegetarians and vegans.	
	Stocks, Soups & Sauces 40S (CA40S8795) In this course students will learn theory and hands on preparation procedures of stocks, soups and sauces and their thickening agents. They will also learn about the five mother sauces and their derivatives. Preparation procedures and cooking procedures for commercial stocks, soups and sauces will also be discussed. Students can expect extensive handling of raw and cooked meats in this class. This class may not be suitable for vegetarians and vegans.	

DESIGN DRAFTING

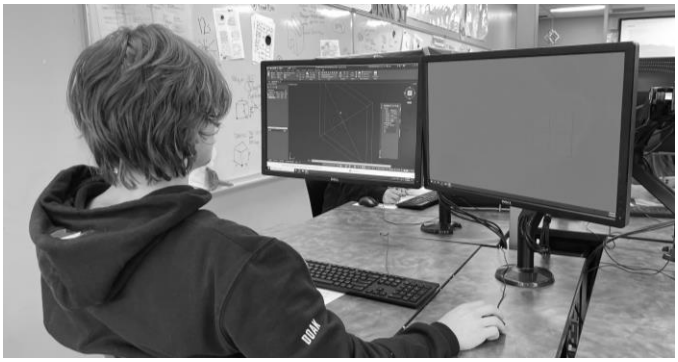
Vocational Program Major

Design drafting introduces students to the universal language of drafting. Drafting personnel are responsible for a variety of tasks, which include creating & interpreting ideas, rough sketches, specifications and calculations of engineers, architects and designers into complete and accurate working drawings. Drafting is prominent in a multitude of industries, ones that require detailed drawings that provide workers with dimensions and specifications for the object being created and its parts.

Historically, drafters have mastered the art of manual drafting, using a variety of pencils, set squares and parallel rules. These drawings had to be clear, precise and accurate. Technology is rapidly developing, allowing drafting personnel to complete more complex tasks in less time using CADD (Computer Aided Design Drafting) software. Students will be exposed to the traditional methods of drafting as well as various industry standard software and technologies.

Knowledge and understanding of the various aspects of this trade provides students with many varied and exciting job possibilities. Graduates from Design Drafting have the opportunity to pursue a variety of avenues upon completion. Potential routes could include, but are not limited to, university or college, as well possible immediate employment in some of the following fields: architecture, manufacturing, and construction. Upon completion of Design Drafting program major, graduates can train with experienced personnel to build their skills and knowledge. Once qualified, junior drafters will have the skills to pursue further opportunities such as designers, technologists and technicians.

To receive the LSRCSS Design Drafting Program Major diploma, students must complete all 8 courses.



Grade 10		Grade 11		Grade 12	
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 Phys. Ed. 30 History 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Electives	Design Drafting Essentials 1 20	**Electives**	Design Drafting Essentials 2 30	**Electives**	Advanced Engineering Design Drafting 40
	Plus Non-Major Electives		Architectural Design Drafting 30		Advanced Architectural Design Drafting 40
			Engineering Design Drafting 30		Applied Architectural Design Drafting 40
			Plus Non-Major Electives		Applied Engineering Design Drafting 40
					Plus Non-Major Electives

DESIGN DRAFTING

Vocational Program Major

Grade	Course Descriptions	Prerequisites
10	**Design Drafting Essentials 1 20S (DR20S8435)** Design Drafting Essentials 1 is intended for students wishing to explore architectural/engineering design. This course focuses on an introduction to manual and CADD drafting techniques with an emphasis on project-based activities. Topics include: career development, problem solving, introduction to CADD software and emerging trends in architecture and engineering.	None
11	**Design Drafting Essentials 2 30S (DR30S8436)** Design Drafting Essentials 2 is intended for students who wish to further develop or specialize in design drafting. Content focuses on architectural and engineering design drafting, with a strong emphasis on project-based activities. Topics include: career development, problem solving, principles of design, drafting standards, computer modelling.	Design Drafting Essentials 1 20S
	Architectural Design Drafting 30S (DR30S8437) Architectural Design Drafting is intended for students continuing in the specialization of architectural design. The focus of this course will be residential design and construction, focusing on traditional and emerging trends and technologies. Topics include : sketching, design, sustainability, CADD modelling, floor plan and elevation drawings as well as interior design.	Design Drafting Essentials 2 30S
	Engineering Design Drafting 30S (DR30S8438) Engineering Design Drafting is intended for students continuing in the specialization of engineering design. This course will focus on engineering product design, students will be required to produce and share ideas and design solutions with their peers. Topics include: career development, problem solving, sketching, principles of design, drafting and engineering standards, assembly and part drawings, and hands-on design activities.	Design Drafting Essentials 2 30S
12	**Advanced Engineering Design Drafting 40S (DR40S8439)** Advanced Engineering Design Drafting is intended for students in the transition phase of engineering design drafting. Content focuses on engineering product design and manufacturing. Students will present their design solutions to their peers. Students will apply safety procedures and employability skills to their daily work. Topics include: career development, problem solving, parts, assembly, and development drawings.	Engineering Design Drafting 30S
	Advanced Architectural Design Drafting 40S (DR40S8648) Advanced Architectural Design Drafting is intended for students in the transition phase of architectural design drafting. This course provides an overview of residential building systems. Students will critique residential design and come up with appropriate solutions. Students will apply safety procedures and employability skills to their daily work. Topics include: industry (drafting and construction) standards, building materials and systems, architectural drawings (site plans, electrical, foundation, etc.)	Architectural Design Drafting 30S
	Applied Architectural Design Drafting 40S (DR40S8649) Applied Architectural Design Drafting is intended for students preparing for industry/post-secondary education in the fields of architecture or drafting. This course focuses on client-specific design for architectural (residential or light-commercial) construction projects. Communications between student and instructor will result in a proposed design solution. Students will be required to design, create, modify, and present all solutions. Students will apply safety procedures and employability skills to their daily work.	Advanced Architectural Design Drafting 40S
	Applied Engineering Design Drafting 40S (DR40S8669) Applied Engineering Design Drafting is intended for students preparing for industry/post-secondary education in the fields of engineering, manufacturing or drafting. Content includes the application of the design process for client-specific engineering and manufacturing projects. Communication between students and instructor will result in a proposed design solution. Students will be required to design, create, modify and present all solutions. Students will apply safety procedures and employability skills to their daily work.	Advanced Engineering Design Drafting 40S

DIGITAL PRINT MEDIA

Vocational Program Major

The Digital Print Media program exposes students to an exciting and innovative industry that is constantly evolving in technology. This is an industry that is around us all the time. From packaging products to vehicle wraps and signage, you will never be far from a printed product. Students will learn to create computer art and take it to a finished product. This program is for students who are creative and/or mechanically inclined.

The Digital Print Media program provides students with the skills and knowledge to design and produce attractive colourful digital artwork such as vehicle graphics, sign graphics, CD covers, web graphics, posters, magazine ads, t-shirts, decals, and much more. Students will use industry standard Macintosh computers with software such as Photoshop, InDesign, Illustrator, and Acrobat. As well as acquiring graphics software skills, students will also train on an assortment of production equipment both offset and digital as well as plotting, embroidery, and binding. Students will have the opportunity to not only learn the latest software and technologies used in industry, but they will gain experience in the entire digital print production process used in packaging, sign graphics, and vehicle wrap graphics from the design stages right through to production and finishing.

Employment can be found with commercial printing companies, advertising agencies, in-house print establishments, packaging companies, sign and vehicle wrap companies, as well as numerous others.

To receive the LSRCSS Digital Print Media program major diploma, students must complete all nine courses.

Grade 10		Grade 11		Grade 12	
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 Phys. Ed. 30 History 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Electives	Print Media Fundamentals 20	**Electives**	Print Production 30	**Electives**	Advanced Design 40
	Fundamentals of Graphic Design is highly recommended		Design 30		Advanced Prepress 40
	Plus Non-Major Electives		Pre-press 30		Advanced Print Production 40
			Graphic Communication Technology 40		Applied Print Media 40
			Plus Non-Major Electives		Plus Non-Major Electives

DIGITAL PRINT MEDIA

Vocational Program Major

Grade	Course Descriptions	Prerequisites
10	**Print Media Fundamentals 20S (GA20S8466)** An introduction into the exciting world of Digital Print Media. Students will be exposed to an industry standard digital print workflow by completing various projects such as creating decals used in both sign and vehicle wrap industries, posters, banners, t-shirts and much more. Adobe Illustrator, Photoshop and InDesign will be utilized to create their projects. Students will utilize wide-format print and cut technologies throughout the course. Fundamentals of Graphic Design is strongly recommended to take with this class.	None
11	**Design 30S (GA30S8467)** Students will apply layout, design, typography and image-editing skills using computer-generated artwork for a production of various printed materials. Adobe InDesign will be utilized to layout designs and students will incorporate skills learned in the Computer Imaging course to create eye-pleasing products such as commercial stationery, posters, CD covers, packaging, and much more. Students will be creating their projects using industry standard software and techniques.	Print Media Fundamentals
	Pre-Press 30S (GA30S8468) This course will expose students to the techniques and procedures required to prepare designs for output on various digital and offset presses. Students will learn the following techniques: imposition, trapping using spreads and chokes, colour theory, and CMYK print procedures through hands-on preparation of designs created by themselves and other designers	Print Media Fundamental
	Print Production 30S (GA30S8469) This course will focus on the operation of both offset and digital printing equipment. Students will learn safety and operating procedures as well as cost/ estimating of jobs they would see in the real world. Students will operate high-speed offset presses, paper folders, stickers, and cutting equipment and learn about basic troubleshooting and maintenance procedures.	None
	Graphic Communication Technology 40S (GA40S7958) This course will focus on creating both vector and raster graphics used in print and web design. Students will learn digital drawing techniques while creating logos, display, and signage, and much more using Adobe Illustrator. Students will also apply photo-editing skills to retouch photos, alter photos, and create colourful backgrounds for both print and electronic media using Adobe Photoshop.	None This course can be taken as an elective in Grade 12
12	**Advanced Design 40S (GA40S8470)** Students will explore higher-level Photoshop techniques in layout and design of various print media and will create more advanced multi-coloured designs. A major focus will be on design and layout for the packaging industry.	Design 30S
	Advanced Pre-Press 40S (GA40S8471) Students further expand on the techniques learned in Pre-Press 30S learning more advanced colour theory, trapping, and CMUYK output procedures for various media equipment. A more in-depth look at preparing images for print and packaging output will aid students in finishing designs for print.	Pre-Press 30S
	Advanced Print Production 40S (GA40S8472) Students will be exposed to more advanced production techniques in both the press and finishing areas and will become proficient with CMYK printing, colour matching, ink mixing, and more advanced bindery techniques.	Print Production 30S
	Applied Print Media 40S (GA40S8473) Students will choose to follow either a Graphic Design or Print Production stream. Skills learned in previous courses will be applied for the design or production of print media. A year-end portfolio will be prepared.	None

ELECTRICAL TRADES TECHNOLOGY

Vocational Program Major

Apprenticeship Manitoba has designated three Electrical Trades – Industrial Electrician, Power Electrician and Construction Electrician. Level 1 for each of these three trades has a common core, which is reflected in this high school curriculum.

A student graduating from the high school Electrical Trades Technology program can seek entry level employment as an apprentice electrician. In order to be qualified and continue as an electrician, students must seek apprenticeship and continue post-secondary training. Electrical Trades Technology graduates are typically employed by electrical contractors, the military, manufacturing facilities, maintenance contractors, wholesale electrical suppliers and utilities. They also have the option of self-employment after completing their apprenticeship.

The Electrical Trades Technology program provides a foundation for students to move into an apprenticeship position once employed. Students graduating from the high school Electrical Trades Technology program will also have a foundation to enter post secondary education in Civil Engineering Technology, Electrical Engineering Technology or Electrical Engineering.

Calculations are of significant importance in electrical theory and students should have received a mark of 70% or higher in grade 9 mathematics. It is recommended students take Intro to Applied and Pre-Calculus Math 20S.

Graduates of the Electrical Trades Technology program will be able to demonstrate the following:

- Perform basic installation of electrical systems
- Complete documentation
- Troubleshoot electrical systems
- Perform modern wiring techniques
- Communicate and work with peers and supervisors
- Critical thinking and decision making
- Work independently or as part of a team
- Time management skills
- Mechanical aptitude and manual dexterity
- Problem-solving skills
- Employabililty skills

To receive the LSRCSS Electrical Trades Technology diploma students must complete all 8 courses.

*Completion of the 8 program courses plus grade 12 pre-cal or applied math, with a 70% average, accredits students with their Level 1 in-school portion of the Electrical Trade Apprenticeship. They are also credited with 900 hours towards the required 1800 hours of Level 1.

Grade 10		Grade 11		Grade 12	
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 Phys. Ed. 30 History 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Electives	Intro to Electrical Trades Technology 20	**Electives**	Electrical Trades DC30	**Electives**	Advanced Residential Wiring 40
	Plus Non-Major Electives		Residential Wiring 30		Electrical Trades AC 40
			Electrical Wiring Methods 30		Advanced Electrical Wiring 40
			Plus Non-Major Electives		Applied Electrical Trades 40
					Plus Non-Major Electives

ELECTRICAL TRADES TECHNOLOGY

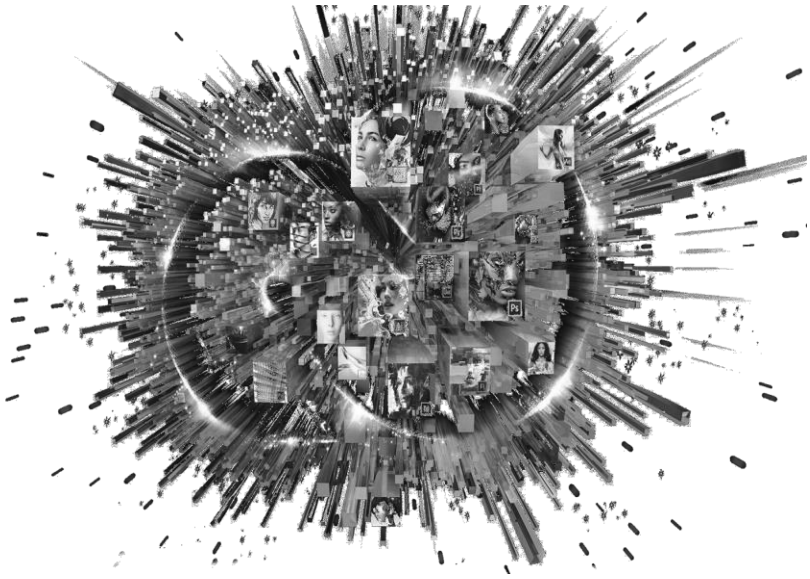
Vocational Program Major

Grade	Course Descriptions	Prerequisites
10	**Introduction to Electrical Trades Tech 20S (EL20S9055)** Students will be introduced to basic electrical concepts. They will begin to design and wire circuits. Students are introduced to safety, tools and equipment, electrical/electronic systems. Note: Due to the demanding math requirements needed in this vocational area, preference will be given to those students who are enrolled in pre-calculus math.	70% in Grade 9 Math Recommended Enrolled in Intro to Applied & Pre-Cal Math 20S
11	**Electrical Trades DC Fundamentals 30S (EL30S9056)** Students will be introduced to electrical/electronics technology by studying DC circuit theory. Areas of study include instrumentation, measurement, component recognition, value determination and fabrication. Students will learn Ohm's Law as it relates to series, parallel and combination circuits.	Intro to Applied & Pre-Cal Math 20S is completed Introduction to Electrical Trades Technology 20S Enrolled in Applied Math 30S or Pre-Cal Math 30S
	Residential Wiring 30S (EL30S9057) Students will be introduced to Canadian Electrical Code (CEC) standards. They will learn to design, install, test and troubleshoot branch circuits, and become familiar with the tools, techniques, materials and devices associated with it. Students will also be introduced to blueprint reading.	
	Electrical Wiring Methods 30S (EL30S9058) Students will be introduced to alternative wiring methods and CEC codes associated with them. They will work with various types of raceways and cables and become familiar with the tools, techniques, materials, and devices associated with them.	
12	**Advanced Residential Wiring (EL40S9059)** Students will build on the knowledge and skills that they learned in Residential Wiring, including home automation technologies and service and demand load calculations	All Grade 11 Electrical Trades Electives Applied or Pre-Cal Math 30S is completed These two courses must be taken together
	Electrical Trades AC Fundamentals 40S (EL40S9060) Students will become familiar with AC theory, including electrical fundamentals, magnetism, electromagnetism, and RLC circuits. Students will also focus on cross-curricular knowledge from mathematics and physics	
	Advanced Electrical Wiring Methods 40S (EL40S9061) Students will build on the knowledge and skills that they learned in Electrical Wiring Methods. Students will also be introduced to motor controls, PLCs, raceway calculations, voice data video (VDV) structured cabling, as well as retrofitting and/or upgrading existing electrical installations	All Grade 11 & 12 Electrical Trades Electives Enrolled in Applied or Pre-Cal Math 40S These two courses must be taken together
	Applied Electrical Trades Technology 40S (EL40S9062) Students will synthesize and apply knowledge and skills acquired in all previous courses to design, install, troubleshoot and document electrical circuits with a minimum of supervision and direction. Students will also focus on skills and activities to ease in the transition to employment or post-secondary education.	

GRAPHIC DESIGN

Vocational Program Major

Graphic design is the creative practice of conveying an idea, or communicating a message esthetically with images, graphics and type. Graphic design often refers to both the process (designing) by which the communication is created and the products (designs) which are generated. Graphic designers work in a variety of areas; producing visual identity (logos and branding), publications (magazines, newspapers, and books), print media (posters, billboards, signs, product packaging), illustration, and interactive design.



The graphic design program gives students the opportunity to learn the skills and knowledge required to function within the graphic design industry. Students use industry standard software and traditional media to visually express their ideas. By the end of the program, they will be able to produce graphic design and layout, illustration, and interactive graphic design to gain entry-level industry employment. Students also have the opportunity to work as self-employed graphic designers, or to continue their studies in graphic design at the post-secondary level - Red River College or out-of-province design schools.

To receive the LSRCSS Graphic Design Program major diploma, students must complete all nine courses.

Grade 10		Grade 11		Grade 12	
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 Phys. Ed. 30 History 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Electives	Drawing 20	**Electives**	Illustration for Graphic Design 30	**Electives**	Advanced Graphic Design & Layout 40
	Fundamentals of Graphic Design 20		Graphic Design & Layout 30		Advanced Illustration for Graphic Design 40
	Print Media Fundamentals 20 is highly recommended		Interactive Graphic Design 30		Adv. Interactive Graphic Design 40
	Plus Non-Major Electives		Plus Non-Major Electives		Graphic Design Portfolio 40
					Plus Non-Major Electives

GRAPHIC DESIGN

Vocational Program Major

Grade	Course Descriptions	Prerequisites
10	**Drawing 20S (AR20S0283)** Students will explore a variety of drawing techniques and approaches. This course will introduce the use of different media: pencil, charcoal, and ink. Topics to be covered include: human face and figure, perspective, and objects. Students will be required to purchase an Art Kit.	None
	Fundamentals of Graphic Design 20S (GD20S9136) This is an introduction course about the fundamentals of Graphic Design where students will explore a variety of topics and techniques. Introduction to the client's needs will be covered. They will learn about the use of type, design, and illustration. InDesign, Illustrator, and Photoshop software will be introduced. Students will be required to purchase an Art Kit. It is strongly recommended to take Print Media Fundamentals with this class.	
11	**Illustration for Graphic Design 30S (GD30S9138)** Students will explore various drawing and painting techniques used in Graphic Design. These will include: people, magazine and editorial illustration, and personal interest. Creativity, quality, and the client's needs will be emphasized.	Visual Arts 20S or Fundamentals of Graphic Design 20S
	Graphic Design and Layout 30S (GD30S9137) Students will study various typography and formation of letters through two methods: hand lettering and digital. Layout and design of printed and digital advertising for various applications such as: magazine design, newspaper adds, direct mail ads, transit advertising, signs, and posters. Quality and the client's needs will be emphasized. InDesign, Illustrator, and Photoshop software will be used.	Fundamentals of Graphic Design 20S
	Interactive Graphic Design 30S (GD30S9139) Students will explore different applications of Graphic Design: websites, apps design, logos, and branding. Theory of design will be covered throughout the course. Quality and the client's needs will be emphasized. InDesign, Illustrator, and Photoshop software will be used.	Fundamentals of Graphic Design 20S
12	**Advanced Graphic Design and Layout 40S (GD40S9140)** and **Advanced Illustration for Graphic Design 40S (GD40S9141)** Advanced design, layout, and illustration will be further developed through various theory assignments and projects. Live design jobs are introduced and the client's needs will be emphasized.	Any two Grade 11 Graphic Design courses These two courses must be taken together.
	Advanced Interactive Graphic Design 40S (GD40S9142) and **Graphic Design Portfolio 40S (GD40S9144)** These courses are for students preparing a portfolio - Graphic Design or Visual Arts for university, college, and/or industry. Additional career preparations will be explored through a resume, cover letter, job and portfolio interviews.	Advanced Graphic Design 40S & Advanced Illustration for Graphic Design 40S or Visual Arts 40S These two courses must be taken together.

HAIRSTYLING

Vocational Program Major

Hairstyling is a cutting edge, ever changing, creative industry that is in high demand with unlimited opportunities. Studying in our full-service salon, students will learn the fundamental concepts and techniques necessary to become successful hairstylists. Hairstyling students will provide services that include hair colouring, highlighting, blow-dry and curling iron, up do's, chemical texture services, and haircutting.

Entrance Requirements:
If you like engaging in conversation with people, working creatively with your hands, and are interested in the world of fashion, hairstyling is the career for you. Key attributes for students entering the Hairstyling Major Program are: coordination and manual dexterity, stamina, communication skills, respect, professionalism, and teamwork. Students must also understand and implement personal and public hygiene procedures to maintain workplace health and safety standards.

To receive the LSRCSS Hairstyling program major diploma, students must complete 12 credits.

Student Lab Fees
Students in Exploration of Hairstyling will be required to pay a $35.00 lab fee to cover consumable products. Students entering the Grade 11 Hairstyling Major in first semester will be required to purchase a professional scissor kit provided from the school for approximately $170. Grade 12 students will be required to purchase a haircutting mannequin from the school for approximately $90.00.

Apprenticeship:
The LSRCSS hairstyling program is an accredited, Red Seal Trade under the Apprenticeship and Trades Qualifications Act of Manitoba. The program is designed in consultation with industry to ensure the curriculum meets employers' needs.

Upon successful completion of the Hairstyling Major program, students can move into employment as a hairstyling apprentice.

Grade 10		Grade 11		Grade 12	
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 Phys. Ed. 30 History 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Electives	Exploration of Hairstyling 10	**Electives**	Basic Haircutting and Thermal Styling 20	**Electives**	Chemical Texture Services 30
	Intro to Hairstyling 20		Basic Salon Services 20		Advanced Hairstyling and Colouring 40
	Basic Hairstyling 20		Intermediate Haircutting and Barbering 30		Advanced Haircutting and Chemical Texture 40
	Plus Non-Major Electives		Hair Colouring 30		Salon Operations & Client Services 40
			Intermediate Hairstyling and Artificial Hair 30		Certificate Preparation 40
			Plus Non-Major Electives		Plus Non-Major Electives

HAIRSTYLING

Vocational Program Major

Grade	Course Descriptions	Prerequisites
Grade 10, 11, 12 Elective	**Exploration of Hairstyling 10S (HY10S9113)** Students will explore the practiced applications of braiding, shampooing, manicuring, skin care, and more. $35.00 lab fee.	None
10	**Introduction to Hairstyling 20S (HY20S8312)** Curriculum content focuses on an introduction to hairstyling. Students are introduced to safety and sanitation, basic tools and equipment, the operation of a hairstyling salon, the workings of the hairstyling industry, and introductory hairstyling skills.	Program majors only Must take both Grade 10 courses together
	Basic Hairstyling 20S (HY20S8313) Curriculum content focuses on the properties of the hair and scalp, wet hair styling techniques, shampoos, conditioners, rinses, and treatments. **$35.00 lab fee.**	
11	**Basic Haircutting and Thermal Styling 20S (HY20S8314)** Curriculum content focuses on reference points and the basic principles of haircutting and thermal styling.	Grade 10 Hairstyling program major Must take all Grade 11 Hairstyling courses
	Basic Salon Services 20S (HY20S8315) Curriculum content focuses on an introduction to the practical application of perm wrapping and hair colour techniques. Chosen additional services, such as manicures, will be introduced.	
	Intermediate Haircutting and Barbering 30S (HY30S8316) Curriculum content focuses on barbering techniques and the continued development of haircutting techniques.	
	Hair Colouring 30S (HY30S8317) Curriculum content focuses on an introduction to colour theory and the continued development of hair colouring techniques.	
	Intermediate Hairstyling and Artificial Hair 30S (HY30S8318) Curriculum content focuses on wigs and hair enhancements and the continued development of wet and thermal hairstyling techniques.	
12	**Chemical Texture Services 30S (HY30S8319)** Curriculum content focuses on the theory and practical application of permanent waving.	Grade 11 Hairstyling program major Must take all Grade 12 Hairstyling courses
	Advanced Hair Colouring 40S (HY40S8320) Curriculum content focuses on special effects hair colour, corrective colour, as well as advanced wet and thermal hairstyling techniques.	
	Advanced Haircutting and Chemical Texture 40S (HY40S8321) Curriculum content focuses on advanced haircutting and permanent waving techniques, as well as the theory and practical application of chemical hair relaxers.	
	Salon Operations and Client Services 40S (HY40S8322) Curriculum content focuses on the business operations of a hair salon, creation of a resume, and career portfolio.	
	Certificate Preparation 40S (HY40S8323) Curriculum content focuses on preparing students to successfully complete their Provincial Examination.	

INDUSTRIAL WELDING AND METAL FABRICATION

Vocational Program Major

Certified welders have the knowledge, ability and skills required to layout, cut, prepare, repair, install and join metals using a variety of welding equipment and techniques. The Welding program covers basic welding to advanced techniques and procedures. Students will explore everything from metal-craft and hobby-style welding techniques to structural welding and metal fabrication fit for industry.

Program Expectations:
The welding program is open to all students with a sincere interest in all aspects of metal work and the application of the welding processes. Welding requires students who are responsible and aware of their environment; safety in the welding lab is of utmost importance.

Graduates:
The Welding Program is Level 1 accredited with Manitoba Apprenticeship. Students who maintain an average of 70% and successfully pass the standardized tests will receive their Level 1 status upon completion of the appropriate number of hours in the industry. Students in the welding program will also test for the structural welding tickets and have the opportunity to become CWB (Canadian Welding Bureau) certified while in high school.

Equipment needed:
- Flame retardant full body coveralls
- Students must wear a heavy denim pant (no holes/rips) such as jeans or Carhartt work pants. Steel-toed boots are mandatory for grades 10-12.
- Students are encouraged to supply their own welding helmet. (Details in class)

Grade 10		Grade 11		Grade 12	
Compulsory Courses	English 20 Mathematics 20 Geography 20 Science 20 Phys. Ed. 20	**Compulsory Courses**	English 30 Mathematics 30 Phys. Ed. 30 History 30	**Compulsory Courses**	English 40 Mathematics 40 Phys. Ed. 40
Electives	Intro to Welding Tech 20S	**Electives**	Metal Design 30S	**Electives**	Adv. GMAW 40S
	Basic SMAW 30S		Basic GMAW 30S		Advanced Metal Design 40S
	Plus Non-Major Electives		Adv. SMAW 40S		Applied Specialties 40S
			Plus Non-Major Electives		Plus Non-Major Electives

INDUSTRIAL WELDING AND METAL FABRICATION

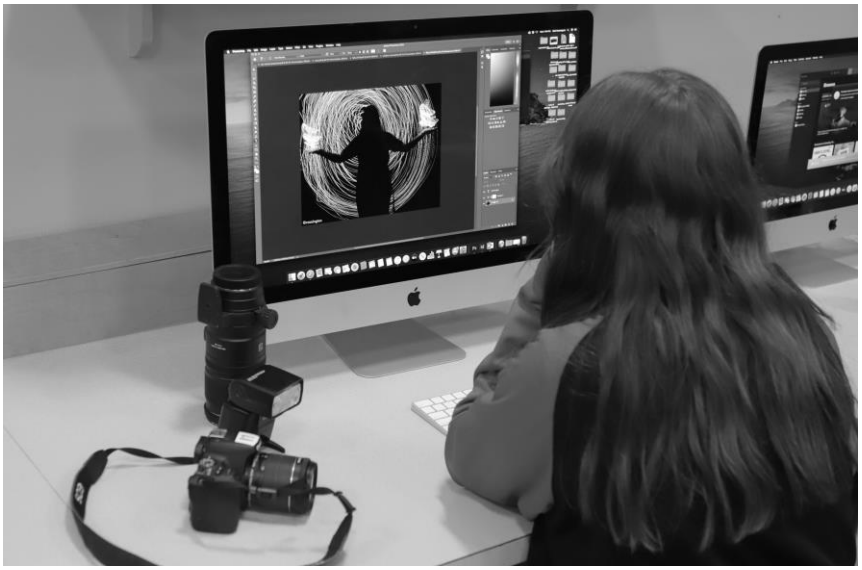
Vocational Program Major

Grade	Course Descriptions	Prerequisites
10	**Introduction to Welding 20S (WL20S8378)** This course provides an introduction to the welding trade and some of the major processes, used to weld steel to a desired standard. Content explored in the class will include: trade related safety, the correct set-up and operation of MIG (GMAW) and OXY-FUEL welding and cutting processes as well as health and safety relating to the welding trade, processes and tools used in our welding lab. Students will have the opportunity to engage in metal craft and build assigned "take home" projects(s). The Welding program is accredited with Manitoba Apprenticeship. Students who maintain an average of 70% through-out the Welding Major and complete all 8 Welding credits including final testing will receive level 1 apprenticeship status (1500 hrs of practical work experience is also required; see your counsellor for details.)	None May be taken as a Grade 10 elective
	Basic SMAW (arc) Procedures 30S (WL30S8486) Basic Arc provides an introduction to the arc welding (SMAW) processes and metal fabrication. Content explored in the class will include; safety, welding, welding power sources, SMAW electrodes, set-up and operation of welding equipment, power tools, hand tools and fabrication techniques. Students will engage in shop projects and fabricate an instructor-designed project. This course runs in conjunction with Introduction to Welding and is part of the Welding Major and accreditation process.	Priority given to Program Majors Must be taken with Intro to Welding 20S
11	**Basic GMAW (MIG) Procedures 30S (WL30S8474)** Basic MIG (GMAW) focuses on the basic mechanic and operation of the semi-automatic welding process. Students learn about production welding while using this process as well as how to maintain, troubleshoot, and repair the equipment. Students will begin to learn how to manipulate and apply their skills to different material and weld positions.	Grade 10 Welding These three courses must be taken together
	Advanced SMAW (ARC) Procedures 40S (WL40S8488) Advanced techniques with regards to positional welding in SMAW with accompanying theory are learned as the major focus. Fillet welds made in the horizontal vertical and overhead positions as well as flat and horizontal groove welds, Repair techniques, custom fabrication, and trade-related maths are also explored.	
	Metal Design / Fabrication & Oxy-Acetylene Procedures 30S (WL30S8414) Students will learn to demonstrate the principles of: metallurgy, print reading, development of shop drawings, fabrication techniques, and the safe use of all metal fabrication equipment in the shop. Students will also learn advanced oxy-fuel welding and cutting techniques while maintaining their skills learned in the Basic Arc course.	
12	**Advanced GMAW (MIG) Processes and Procedures 40S (WL40S8487)** Students will practice and apply new methods of welding and processes to individual and team projects. MCAW (metal core) and FCAW (flux core) as well as all position GMAW (mig) will be explored and mastered. Aluminum mig welding and Tig (GTAW) will also be highlighted. Students will also maintain their previously learned skills such as arc welding. (SMAW)	Grade 11 Welding These three courses must be taken together
	Advanced Metal Design / Fabrication 40S (WL40S8489) Students will engage in advanced fabrication processes by means of reading and interpreting shop blueprints and post weld procedures. Students must also demonstrate the safe and appropriate operation and handling of equipment, tools, materials, products & consumable items used in Advanced Metal Design/Fabrication.	
	Applied Specialties and Qualifications 40S (WL40S8503) Students will cut, repair and tack material for Manitoba Welder Practical Examination Structural Level 1 and study the accompanied theory. This course prepares students for life in industry as an apprentice.	

PHOTOGRAPHY

Additional Electives

Grade	Course Descriptions	Prerequisites
10	**Introduction to Photography 20S (PY20S9157)** This course introduces students to the fundamentals of camera operation, film lighting and portraiture, image design, studio photography, photojournalism and desktop publishing. Through a series of assignments, students will acquire the skills required to explore the many applications of photography.	None
11	**Photographic Equipment 30S (PY30S9158)** Topics will include lenses and macrophotography, photographic art, reproduction techniques, electronic studio lighting, Photoshop computer image processing, digital photography, advanced photofinishing techniques, and desktop publishing.	Introduction to Photography 20
12	**Advanced Photographic Equipment 40S (PY40S9161)** Students will use acquired photography skills and processes in the completion of individual and team projects. Activities may include: public relations (displays, photojournalism, and school contests), yearbook (photography, promotion, production), and studio (team portraits, portfolios, custom portraiture). Instruction topics will include: set-up for indoor and outdoor on-location photograpy, advanced camera and studio skills, computer imaging, and desktop publishing.	Photographic Equipment 30
	Advanced Digital Darkroom 40S (PY40S9163) Learn to get the most out of digital visual technology. Major components of the course are: 1. Digital Still Photography and the "digitial darkroom" of Photoshop which will include printing, display, commercial photo applications, and multi-media slide presentations. 2. Advanced photographic equipment, planning, preparation, and follow-up of photography events.	Photographic Equipment 30s
	Applied Media Technology 40S (PY40S7997) The Applied Technology course will allow students to develop the skills necessary to work hands on with digital media requirements within the school. Students will spend time working with digital photography and video equipment to create content for digital media displays around the school, the school's social media platforms, as well as the yearbook. Applied Technology will run outside of the five-period day to allow students to schedule their time for course work at lunch or before or after school.	Introduction to Photography 20



Additional Electives

Grade	Course Descriptions	Prerequisites
10	**Visual Arts 20S (AR20S0274)** This course is a basic introduction to visual art. Visual Arts 20 has four main areas of focus: making, connecting, creating, and responding. Students will create original works of art in a variety of artistic media, including pencil, paint, ink, and sculpture. Students will be required to purchase an art kit containing necessary supplies.	None
	Drawing 20S (AR20S0283) In this course students will explore drawing tools, techniques, and processes. A variety of drawing media will be introduced including: pencil, conté, charcoal, and ink. Topics to be covered will include: the human face and figure, still life, perspective and imagined subjects, as well as realistic, expressive and abstract approaches to various subjects. Students will be required to purchase an art kit containing necessary supplies.	None
11	**Visual Arts 30S (AR30S0274)** This course builds upon the activities of Visual Arts 20S. More challenging techniques and concepts are introduced, and assignments become more self-directed. Visual Arts 30S students are eligible to take part in Lord Selkirk Regional School's student art trip.	Visual Art 20 or Drawing 20 or Fundamentals of Graphic Design 20
	Contemporary Art Making 30S: Art Without Drawing (AR30S0287) Are you interested in art and creativity but have felt held back by a lack of drawing ability or art experience? Conterporary Art Making 30S may be the answer. This course is an examination of contemporary art (art by living artists) and the ideas that have helped to shape the art world of today. The course will give students the opportunity to learn about art ideas and movements, to work like contemporary artists, to develop art-making skills, and to build their creativity. This course is designed to be a stand-alone Visual Arts elective, open to all Grade 11 and 12 students. No drawing ability is required.	None
12	**Visual Arts 40S (AR40S0274)** This course builds upon the activities of Visual Arts 30S. In addition to continued art skill development, students will work independently to create original works of art in response to themes introduced in the course. Visual Arts 40S students are eligible to take part in Lord Selkirk Regional School's student art trip.	Visual Art 30

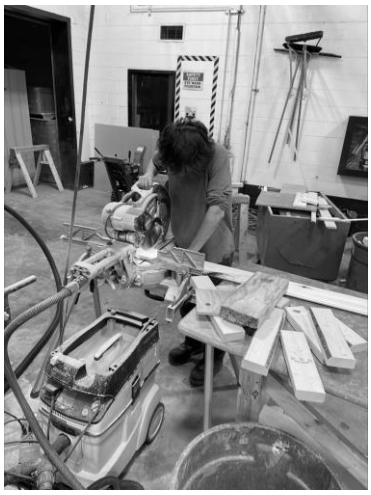




WOODWORKING

Additional Electives

Grade	Course Descriptions	Prerequisites
10 or 11	**Woodwork Technology 20G (WW20G7990)** **Woodwork Technology 30G (WW30G7990)** Students become prepared for work in the construction and manufacturing industry. The class will complete a major construction project and each student will complete an individual major project. Students who successfully complete this course will receive two credits. Students are required to supply suitable clothing, safety eyewear, and footwear.	These two courses must be taken together



HOCKEY SKILLS ACADEMY

Additional Electives

Grade	Course Descriptions	Prerequisites
10 or 11	**Hockey Skills Academy (HO11G9916) (HO21G9916) (HO31G9916)** The philosophy of the LSRCSS Hockey Academy is to provide students different paths to achieve academic and personal success. This program is designed to allow students the opportunity to further develop their hockey skills while not altering or sacrificing the provincial academic curriculum goals or expectations. Students will have the opportunity to educate themselves in many aspects of hockey such as fitness training, on-ice skill development, and Hockey Canada courses in coaching. We aim to enable these student athletes to achieve their full potential as a student athlete, coach, manager, or official. Students will be provided the opportunity to enhance their own personal and technological skills while also being given a well-rounded view of the sport of hockey. The LSRCSS Hockey Academy will be offered at the 10, 20, and 30 levels. Student can achieve credit at all three levels. The program runs 7:30-8:30 am a few times a week. Parents drive to arena. Students and equipment bags are bused back to school after practice. Price is approximately $360 for 36 skates.	None

GRADE 10 ENGLISH - COMPULSORY

ENGLISH 20F (EN20F0001)
In EN20F, students read and create a variety of practical and creative texts. Students study novels, poetry, and a Shakespearean play (*Romeo and Juliet*) along with practical forms such as newspaper articles and speeches. EN20F is a required course. Once finished Grade 10 English, students should consult their teacher to decide what Grade 11 English courses best suit their goals and interests.
Prerequisite: English 10F

GRADE 11 ENGLISH – COMPULSORY

All Grade 11 students must enroll in at least **one** English course.

Students who are planning to further their studies at a post-secondary institution (ie. university or college) should consider enrolling in two English courses to improve their overall competency in reading, writing, and speaking. The theme of Grade 11 English is *Power.*

The following combinations are suggested for those students who wish to enroll in two English courses:

- **Comprehensive** (EN30S0092) and **Creative Writing** (EN31G9800)
- **Transactional** (EN30S0094) and **Comprehensive** (EN30S0092)
- **Comprehensive** (EN30S0092) and **World Religions** (WR40S0606)
- **Transactional** (EN30S00094) and **World Religions** (WR40S0606)

COMPREHENSIVE ENGLISH 30S (EN30S0092)
Students who enjoyed the combination of practical and creative texts in EN20F may prefer to take Comprehensive English. In this course, students continue to develop literacy skills by exploring a variety of texts, which may include poems, letters, short stories, speeches/presentations, novels, and a Shakespearean play (*Macbeth* or *Julius Caesar*). Students develop both practical and creative pieces.

TRANSACTIONAL ENGLISH 30S (EN30S0094)
Students who preferred the practical aspects of EN20F may prefer to focus on Transactional English. Transactional English helps students develop an appreciation of clear and precise language, as well as an understanding of a variety of non-fiction forms such as articles, brochures, speeches/presentations, debates, and essays. Students study a variety of fiction and non-fiction texts, which may include novels and a Shakespearean play (*Macbeth* or *Julius Caesar*) .

GRADE 11 ENGLISH - ADDITIONAL ELECTIVE

CREATIVE WRITING 31G (EN31G9800)
This course is designed for students who want to become better writers. Students will develop a creative process that leads to producing quality writing. In this course, the focus will be on poetry, narrative non-fiction, and short fiction, but other forms of written expression will be studied and practiced. This course will conclude with a portfolio.

GRADE 12 ENGLISH – COMPULSORY

All grade 12 students must enroll in at least **one** English course.

Students who are planning to further their studies at a post-secondary institution (i.e. university or college) should consider enrolling in two English courses to improve their overall competency in reading, writing, and speaking. Some post-secondary institutions require the completion of two English credits in Grade 12. The theme of Grade 12 English is *The Human Experience.*

The following combinations are suggested for those students who wish to enroll in two English courses:

- **Comprehensive** (EN40S0092) and **Language and Literary Forms** (EN40S0028)
- **Comprehensive** (EN40S0092) and **Language and Transactional Forms** (EN40S0029)
- **Literary** (EN40S0093) and **Language and Literary Forms** (EN40S0028)
- **Transactional** (EN40S0094) and **Language and Transactional Forms** (EN40S0029)
- **Literary** (EN40S0093) or **Comprehensive** (EN40S0092) and **Dual Credit English** (EN42U4498)

COMPREHENSIVE ENGLISH 40S (EN40S0092)
Students who wish to experience a variety of practical and creative texts, and are considering post-secondary education, should enroll in Comprehensive English. In this course, students continue to develop literacy skills by exploring a variety of texts, which may include memoirs, poems, articles, short stories, speeches, novels, and a dramatic play. Students develop both practical and creative pieces.

LITERARY ENGLISH 40S (EN40S0093)
Students who prefer creative texts, and are considering enrolling in post-secondary education, should enroll in Literary English. Literary English helps students develop an appreciation and understanding of creative and expressive language as well as developing the ability to think critically about what they read. This course focuses on analyzing a variety of texts such as short stories, novels, poems, and a dramatic play. Students also work towards developing their own creative and pragmatic pieces.

TRANSACTIONAL ENGLISH 40S (EN40S0094)
Students who enjoyed examining practical texts, and are focusing on entering the workplace after graduation, may prefer to focus on Transactional English. Transactional English helps students develop an appreciation of clear and precise language, as well as an understanding of a variety of non-fiction forms such as articles, memoirs, speeches, presentation, research-based projects, and essays. Students read a variety of fiction and non-fiction texts, including (at least) one novel study.

GRADE 12 ENGLISH - ADDITIONAL ELECTIVES

LANGUAGE AND LITERARY FORMS 40S (EN40S0028)
Students who are thinking of pursuing post-secondary education should enroll in this second credit English course. Literary & Dramatic Focus will further students' understanding of literature, as well as assist in developing their ability to produce creative texts in a variety of forms such as a novella, play, children's book, and short films.

LANGUAGE AND TRANSACTIONAL FORMS 40S (EN40S0029)
Students who are thinking of pursuing a post-secondary education should enroll in this second credit English course. Transactional & Journalistic Forms will further students' understanding of journalistic forms such as feature and hard news articles. Students will also have an opportunity to create a variety of practical forms such as a magazine, newspaper, and short films.

DUAL CREDIT ENGLISH 1 42U (UNIVERSITY ENGLISH) (EN42U4498)
In this course, we examine prose, poetry, and drama written from a variety of historical periods and authorial and narrative perspectives. Classes consist of a combination of lectures, group discussion, and small group discussion. If students successfully complete the course, they will receive a high school credit as well as 6 credit hours at a university level. This course is run in conjunction with the University of Winnipeg but offered at LSRCSS during second semester.

DUAL CREDIT ACADEMIC WRITING 42U (UNIVERSITY-LEVEL WRITING) (EN42U4645)
The purpose of this course is to develop your critical thinking and writing skills. You will learn and exercise fundamental reading, writing, editing, and researching skills that you will be able to use throughout your academic career, in a variety of disciplines. The readings and assignments in this course are designed to make you a better, more reflective academic writer. Learning how to develop and evaluate an argument, organize an essay, and edit your writing will help you submit more effective, polished papers in your university courses—ultimately the kind of papers usually expected by your professors.

A WORLD OF RELIGIONS: A CANADIAN PERSPECTIVE (WR40S0606)
This course examines the diversity of religions and religious perspectives. In this course, students explore several different religious traditions and consider the diversity that exists within and between them. Students have the opportunity to interact with people of different faiths and visit one or more religious gathering places. The development of religious literacy is central to this course. Through this process students will come to understand more about themselves and their personal perspectives about religion.

CREATIVE WRITING (EN41G9800)
This course, which follows up Creative Writing 31G, is designed for students who want to take their writing to the next level. The goal of this course is to have students develop creative writing of publishable quality. In this course, the focus will be on poetry, narrative non-fiction, children's literature, and short fiction, but other forms of written expression will be studied and practiced. This course will conclude with a substantial independent project.
Prerequisite: Creative Writing 31G

ENRICHMENT PROGRAM

GRADE 10 ENGLISH ENRICHMENT

ENGLISH 20F – ENRICHED (ENE20F0001)
Enriched English is available to students who have been recommended by their Grade 9 English teacher. It is also recommended that students have an average of 80% or higher in their Grade 9 English course. This course will move at a faster pace and students will be expected to read and complete work outside of class time. Students can expect to study a range of poetry, drama, and prose (novels, short stories) and use the skills of speaking, representing, and writing in order to convey their understanding.

GRADE 11 ENGLISH LITERARY ENRICHMENT

LITERARY ENGLISH 30S – ENRICHED (ENE30S0093)
Enriched Literary English is available to students who have completed Grade 10 Enriched English or who have been recommended by their Grade 10 English teacher. It is also recommended that students have an average of 80% or higher in their Grade 10 English course. This course will focus on examining a variety of texts (poetry, prose, and drama) through a literary lens. Students will learn about writer's craft and further their knowledge of literary analysis.

GRADE 12 ENGLISH LITERARY ENRICHMENT

LITERARY ENGLISH 40S – ENRICHED (ENE40S0093)
Enriched Literary English is available to students who have completed Grade 11 Enriched English or who have been recommended by their grade 11 English teacher. It is also recommended that students have an average of 80% or higher in their Grade 11 English course. This course will focus on examining a variety of texts (poetry, prose, and drama) through a variety of criticisms. Students will learn about writer's craft and further their knowledge of literary analysis while preparing students for post-secondary studies. Students that enroll in this course should also consider enrolling in University English (EN42U4498) for second semester.

GRADE 10 – COMPULSORY

Students are required to choose one of the following math courses; the other can be selected as an elective.

ESSENTIAL MATHEMATICS 20S (MA20S3000)
This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into the majority of the trades and for direct entry into the workforce. Consumer decisions which students will encounter in their future lives are examined. Topics include: earning an income, unit pricing and currency exchange, measurement, geometry, trigonometry, angles and parallel lines, and transformations.
Recommended: Math 10F

INTRODUCTION TO APPLIED AND PRE-CALCULUS MATHEMATICS (MA20S3905)
This course gives students an introduction to both the Applied and Pre-Calculus pathways offered in grade 11 and 12 mathematics. Graphing calculators and/or computers are used for mathematical experimentation, modelling, and problem-solving as students work with non-routine problems and projects. Topics include: factors and products, roots and powers, linear functions, linear systems, trigonometry, and measurement.
Recommended: Math 10F – Minimum 75%

GRADE 11 – COMPULSORY

Students are required to choose one of the following math courses; others can be selected as electives.

ESSENTIAL MATHEMATICS 30S (MA30S3000)
This course is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Students work on mathematical concepts and skills encountered in everyday life.
Recommended: Math 20S

APPLIED MATHEMATICS 30S (MA30S3903)
This course is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It is context driven and promotes the learning of numerical and geometrical problem-solving techniques as they relate to the world around us. Primary goals are to develop critical thinking skills through problem-solving and model real-world situations mathematically to make predictions. Topics include: quadratic functions, systems of inequalities, statistics, trigonometry, and measurement.
Prequisite: Intro to Applied and Pre-Calculus Math 20S

PRE-CALCULUS MATHEMATICS 30S (MA30S3939)
This course is designed for students who intend to study Calculus and related mathematics as part of their post-secondary education. The course comprises a high-level study of theoretical mathematics with an emphasis on problem-solving and mental mathematics. Topics include: quadratic functions and equations, radical, rational, and absolute value expressions and equations, systems and inequalities, reciprocal functions, and trigonometry.
Prerequisite: Intro to Applied and Pre-Calculus Math 20S (Mark 75% or higher recommended)

GRADE 12 – COMPULSORY

Students are required to choose one of the following math courses; others can be selected as electives.

ESSENTIAL MATHEMATICS 40S (MA40S3000)
This course is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Topics include: analysis of games and numbers, vehicle finance, statistics, precision measurement, home finance, geometry and trigonometry, business finance, probability, and career life.
Recommended: Math 30S

APPLIED MATHEMATICS 40S (MA40S3903)
This course is intended for students considering post-secondary studies that do not require a study of theoretical calculus. Graphing calculators and/or computers are used for mathematical experimentation, modelling, and problem solving as students work with non-routine problems and projects. Topics include: financial mathematics, logical reasoning, probability, relations and functions, and design and measurement. Additionally, students will complete a mathematics research project.
Prerequisite: Applied Math 30S, or Pre-Calculus Mathematics 30S (minimum 70%)

PRE-CALCULUS MATHEMATICS 40S (MA40S3939)
This course is designed to prepare students for calculus and sciences in college and university. Topics include: transformation of functions, trigonometric functions, exponential functions, logarithmic functions, polynomial functions, radical functions, rational functions, and the binomial theorem.
Prerequisite: Pre-Calculus Math 30S (minimum 75% recommended)

GRADE 12 MATH - ELECTIVE

INTRO TO CALCULUS AND ADVANCED MATH TOPICS 40S (MA40S3908)
This course is scheduled for semester two and is designed to prepare students for university calculus. Topics include: limits, derivatives of polynomial and rational functions, minima/maxima, curve sketching, related rates, integrals, implicit differentiation, derivatives of trigonometric and logarithmic functions, volumes of revolution, complex numbers and integration by parts.
Prerequisite: Pre-Calculus Math 40S

ENRICHMENT PROGRAM

GRADE 10 MATHEMATICS ENRICHMENT

INTRODUCTION TO APPLIED AND PRE-CALCULUS MATHEMATICS – ENRICHED 20S (MAE20S3905)
This enriched course is intended for students with a strong math background intending to pursue math studies at the advanced level. It will include the content of the regular Intro to Applied and Pre-Calculus course in greater depth and will present select topics from the Pre-Calculus 30S curriculum. Students will be challenged with higher level questions and a focus on advanced algebra skills. This is a challenging, accelerated course meant for highly motivated students.
Prerequisite: Math 10F (minimum 85%)

GRADE 11 MATHEMATICS ENRICHMENT

PRE-CALCULUS MATHEMATICS – ENRICHED 30S (MAE30S3939)
This course continues the enriched program of studies in Mathematics. It builds on the topics studied in Intro to Applied and Pre-Calculus – Enriched 20S and deals with an in-depth study and/or review of topics that form the Pre-Calculus 30S curriculum as well as select topics from the Pre-Calculus 40S curriculum. This is a challenging, accelerated course meant for students intending to pursue math studies at the university level.
Prerequisite: Intro to Applied and Pre-Calculus – Enriched 20S (minimum mark of 80% recommended)
Students should register for the Pre-Calculus Math-Enriched 30S course semester one, and the Pre-Calculus Math-Enriched 40S course semester two.

GRADE 12 MATHEMATICS ENRICHMENT

PRE-CALCULUS MATHEMATICS – ENRICHED 40S (MAE40S3939)
This course concludes the enriched program of studies in mathematics. It builds on the topics studied in Pre-Calculus-Enriched 30S and deals with an in-depth study and/or review of topics that form the Pre-Calculus 40S curriculum. This is a challenging, accelerated course meant for students intending to pursue math studies at the university level.
Prerequisite: Pre-Calculus Math-Enriched 30S (minimum mark of 80% recommended)
Students should register for the Pre-Calculus Math-Enriched 30S course semester one, and the Pre-Calculus Math-Enriched 40S course semester two.

GRADE 10 – COMPULSORY

PHYSICAL EDUCATION/HEALTH 20F (PE20F0169)
This compulsory course is designed to help students develop and maintain an active lifestyle which will lead to a more enjoyable quality of life. Students will spend 50% of their time in activity-based units and the remaining 50% receiving classroom instruction in health topics. Students will receive a percentage mark which will be a combination of the health and activity components.
Prerequisite: Physical Education/Health 10F

GRADE 11 – COMPULSORY

PHYSICAL EDUCATION 30F (PE30F0169)
This course focuses on healthy lifestyles and is designed to help youth take greater ownership of their own physical fitness, promote the exploration of activities suited to their individual interests, and encourages active lifestyles which will persist into their futures. In-school activities make up 75% of course content while the remaining 25% of the course requires the student to develop and implement a personal physical activity plan on their own time. This plan requires students to submit a personal fitness portfolio containing journal entries and activity logs. A "complete" or "incomplete" designation is assessed at the end of the course
Prerequisite: Physical Education/Health 20F

GRADE 12 – COMPULSORY

PHYSICAL EDUCATION 40F (PE40F0169)
This course focuses on personal wellness and is designed to help youth take greater ownership of their own physical fitness, promote the exploration of activities suited to their individual interests, and encourage active lifestyles which will persist into their futures. In-school activities make up 75% of course content while the remaining 25% of the course requires the student to develop and implement a personal physical activity plan on their own time. This plan requires students to submit a personal fitness portfolio containing journal entries and activity logs A "complete" or "incomplete" designation is assessed at the end of the course.
Prerequisite: Physical Education 30F

GRADE 10 – COMPULSORY

Students are required to choose **one** of the following science courses; the other can be selected as an elective.

SCIENCE 20F (SC20F0120)
This course consists of four major units: Dynamics in Ecosystems, Chemistry in Action, In Motion, and Weather Dynamics. These units help to provide students with some basic scientific concepts so that they can better understand issues in the world around them. These units also provide an introduction to Biology, Chemistry, Physics, and Earth Science.
Prerequisite: Science 10F

SCIENCE-ENRICHED 20F (SCE20F0120)
This course is intended for students with strong math and science backgrounds who have an interest in studying science at an advanced level. Students will be introduced to topics in chemistry, physics, and biology. The material will be covered in greater depth at a faster pace than the regular SC20F course. An emphasis will be placed on laboratory skills and investigations as well as a high level of mathematical problem solving. Students who will be taking chemistry, biology, and/or physics in grades 11 and 12, will benefit from the content covered in this course.
Prerequisite: 85% or higher in Grade 9 Math & Science

GRADE 11 SCIENCE - ELECTIVES

BIOLOGY 30S (BI30S0124)
This course examines the structure and functioning of the human body. The major organ systems will be investigated with a focus on understanding and maintaining personal wellness.
Prerequisite: Science 20F

CHEMISTRY 30S (CH30S0122)
Students will start with an introduction to basic atomic structure, the periodic table and chemical nomenclature, followed by an overview of chemical reactions and stoichiometry. The course then looks at the chemistry of solutions and gases and ends with a short introduction to organic chemistry. This course may be the students first time incorporating mathematic problem solving in science, so registration in Applied and/or Pre-Calculus Math is beneficial.
Prerequisite: Science 20F

PHYSICS 30S (PH30S0123)
This course includes a study of waves, including sound, light, and wave technologies. The mechanics unit focuses on basic kinematics and dynamics, such as speed, acceleration, and Newton's laws. Gravitational, electric, and magnetic fields are also explored. The emphasis is on a qualitative understanding of fundamental physics concepts. Some analytical skills are required for problem solving, including algebra, trigonometry, and graphing.
Prerequisite: Science 20F & Intro to Applied Pre-Calculus Math 20S

GRADE 12 SCIENCE - ELECTIVES

BIOLOGY 40S (BI40S0124)
This course focuses on DNA, genetics, evolution, and biodiversity. Students will explore topics such as protein synthesis, genetic engineering, biotechnology, and human genetics. They will also learn about the theory of evolution and how this has led to the diversity of living organisms.
Prerequisite: Biology 30S

CHEMISTRY 40S (CH40S0122)
Students will start with the study of aqueous chemical reactions followed by an introduction to the kinetics of chemical reactions. The course then focuses on the concept of chemical equilibrium and how it is reached and manipulated in chemical reactions. Students will then apply this concept specifically to the chemistry of solutions, acids and bases. Finally, a short introduction to the quantum model of the atom is presented. This course builds on the mathematical problem solving of CH30S, so registration in Applied and/or Pre-Calculus math is beneficial.
Prerequisite: Chemistry 30S

PHYSICS 40S (PH40S0123)
The studies of kinematics and dynamics are explored in greater depth to include projectile motion, work, energy, collisions, and momentum. Discover how satellites orbit and astronauts travel to the moon in the exploration of space unit. The fields unit is extended to include electromagnetism, Coulomb's law, and the basics of electricity..
Prerequisite: Physics 30S and Pre-Calculus 30S

ADVANCED BIOLOGY 42S (BI42S0132)
This course focuses on Environmental Science as well as Advanced Biological Science topics. Students who wish to continue studying science in these areas at a post-secondary level will benefit from the initial exposure this course provides.
Prerequisite: 80% or higher in BI40

ADVANCED CHEMISTRY 42S (CH42S0133)
This course is designed to introduce highly motivated students to challenging concepts in chemistry that are typically learned in a first-year university chemistry class. Students will be introduced to topics such as advanced bonding theory, thermochemistry & thermodynamics, advanced equilibrium concepts, and electrochemistry. Students who will be taking chemistry in university with the intention of entering a STEM field will benefit from the advanced content, academic rigor, and lab skill acquisition of this course.
Prerequisite: 80% or higher in CH40S. Completion of or registered in Pre-Calculus MA40S.

ADVANCED PHYSICS 42S (PH42S0134)
This course is designed to introduce highly motivated students to challenging concepts in physics that are typically learned in a first-year university physics class. Students explore principles of Newtonian mechanics, specifically rotational motion, angular momentum, torque, and drag. They will look at fluids in relation to pressure, buoyancy, and hydraulics, as well as optics (lenses, mirrors, and light) and elements of modern physics. A portion of the course includes hands on "Try Engineering" projects where students apply their physics knowledge to build and create various design projects. Students who will be taking physics in university with the intention of entering a STEM field will benefit from the advanced content, academic rigor, and investigation skills acquisition of this course.
Prerequisite: 80% or higher in PH40S. Completion of or currently registered in Pre-Calculus MA40S.

GRADE 10 – COMPULSORY

GEOGRAPHIC ISSUES OF THE 21ST CENTURY 20F (GE20F1180)
In Geographic Issues of the 21st Century, students focus on a variety of issues and challenges of the contemporary world. They explore the nature of geography and develop skills related to geographical thinking. Students will study concepts related to ownership and development of natural resources, production and distribution of food, development of industry and trade, and increasing urbanization. They will consider these issues in the context of Canada, North America, and the world. Through their study, students become aware of the importance of the environment, stewardship, and sustainable development, as well as the social, political, and economic implications of their personal choices.
Prerequisite: Social Studies 10F

GRADE 10 SOCIAL STUDIES - ELECTIVE

AMERICAN HISTORY 20G (HI20G0481)
The primary intent of the American History course is to create a greater understanding of significant events that shaped the history of the United States. It is a survey course with a focus on those historical developments that have influenced the world, especially Canada. The course will help students explore and better understand the impact that American history has had on shaping American society and influencing other areas of the world.
Prerequisite: Social Studies 10F

GRADE 11 – COMPULSORY

HISTORY OF CANADA 30F (HI30F0105)
This curriculum supports citizenship as a core concept and engages students in historical inquiry. Guided by Essential Questions, 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. First Nation, Metis and Inuit Peoples; French-English Duality; Identity, Diversity, and Citizenship; Governance and Economics; Canada and the World.
Prerequisite: Geographic Issues 20F

GRADE 11 SOCIAL STUDIES - ELECTIVE

SPORT PSYCHOLOGY (SS31G)
Sports psychology examines the use of psychological knowledge to enhance the development of performance and satisfaction of athletes and others associated with sports. Topics include improving skills of athletes, motivating practice performance, and mental preparation for competition. Students will explore and examine practical techniques such as goal setting, self-monitoring, and mental rehearsal, an athletic setting. Recreational and elite athletes will benefit from the study of sports psychology.

GRADE 12 SOCIAL STUDIES - ELECTIVES

CANADIAN LAW 40S (LW40S0580)
Studying law gives students the opportunity to acquire knowledge and competencies that will help them through their lives as responsible citizens. In addition to understanding the relevance of law in everyday life, the outcomes of this course are aimed at helping students develop critical thinking skills and form personal opinions on contemporary legal issues through case studies, simulations, field trips, guest speakers, and debates.

The Grade 12 Canadian Law curriculum presents students with the major components of Canadian law, beginning with the foundations of law, followed by the Canadian Charter of Rights and Freedoms, criminal law, civil law, and family law. The course also gives students the opportunity to explore a topic of their choice through inquiry of one of the following: international law, human rights law, youth and the law, labour law, or environmental law.
Prerequisite: Grade 12 recommended

CINEMA AS A WITNESS TO MODERN HISTORY 40S (SS40S1123)
In this course students will evaluate cinema as a source of "information". Students will be encouraged to think critically about cinema's retelling of history and the impact society plays in the creation of film. Films viewed and analyzed will include documentaries, comedies, and a variety of dramatic selections from Canadian, American, and International cinema.
Prerequisite: None

GRADE 12 SOCIAL STUDIES - ELECTIVES

CURRENT TOPICS IN FIRST NATIONS, METIS, & INUIT STUDIES 40S (NS40S0103)
Offers all Grade 12 students, both Indigenous and non-Indigenous, a multi-disciplined approach to learn more about Canada's First Nations, Metis and Inuit people while:

- Looking at cultures and traditions, as well as contemporary realities and aspirations.
- Developing knowledge of history in order to better understand the present
- Developing an understanding the First Nations, Metis and Inuit peoples and cultures are an integral part of Canadian society and recognize their role in shaping Canada's history and identity.

Pre-requisite: None

GLOBAL ISSUES: CITIZENSHIP AND SUSTAINABILITY 40S (HI40S1128)
Global Issues is a course for students who want to know more about what's happening around the world and how they can have an impact on making the world a better place. Emphasis is placed on having conversations about current events, but students are also able to direct their own learning by conducting inquiry into a wide variety of issues such as the media, the environment, consummation, social justice and human rights, gender and identity, and peace and conflict.
Prerequisite: None

HISTORY OF WESTERN CIVILIZATION 40S (HI40S1136)
This course introduces the people, ideas and events that have shaped Western Civilization. Canadian political, economic, legal and social systems are based on these traditions. In this senior history course, more than thirty centuries of material is handled using six major themes: religion, ideology, humanism, individualism, secularism and scepticism.
Prerequisite: None

PSYCHOLOGY 40S (PS40S1010)
Psychology is the scientific study of behaviour and mental processes. The discipline embraces all aspects of the human experience – including biological bases of behaviour, cognitive, and emotional processes. Studying psychology gives students lifelong skills such as dealing with issues proactively, solving problems and nurturing healthy relationships. Students will be required to critically analyze theories through research, writing, and discussion, while exploring and sharing their own personal experiences. Psychology 40S strives for a fundamental balance between lifelong skill acquisition and preparation for post-secondary institutions.
Prerequisite: Grade 12 recommended

SOCIOLOGY 41G (SO41G9933)
The study of Sociology deals with the relationship and interaction between people. It involves learning about relationships within groups, social institutions, and societies. Informal discussions, personal research, and the use of films are integral formats for this course.
Prerequisite: None

WORLD GEOGRAPHY: A HUMAN PERSPECTIVE 40S (GE40S1126)
World Geography deals with locations, patterns, distribution, and inter-relationships between the physical and human environments in a constantly changing world. The course will look at issues including population, food supply, resources, industrialization, and urbanization.
Prerequisite: None

DUAL CREDIT INTRODUCTION TO GLOBAL CITIZENSHIP 42U (SS42U4878)
The goal of this course is to introduce students to the idea of global citizenship while investigating critical contentions and issues associated with the concept. Students will also examine specific global human rights issues and explore implications for democratic citizenship. Finally, students will be introduced to practices of global citizenship in the local community. If students successfully complete the course, they will receive a .5 high school credit as well as 3 credit hours at a university level. This course is run in conjunction with the University of Winnipeg but offered at LSRCSS.
Prerequisite: None

GRADE 10

FRENCH: COMMUNICATION & CULTURE 20F (FR20F0403)
This dynamic and engaging course offers students the opportunity to continue learning Canada's second official language in a fun, culturally rich environment. Through participating in a variety of activities, students will further their listening, speaking, reading, and writing skills. Students progress towards a broad basic knowledge of the French language and we will celebrate the cultures of the people who speak it.
Prerequisite: Basic French 10F

SPANISH 20G (SP20G1080)
This exciting course is designed for students with little or no previous knowledge of Spanish who wish to communicate with an ever-growing number of Spanish-speaking people in various regions of the world. The course focuses on language and vocabulary necessary for communication in everyday situations. Through a variety of fun and engaging activities, students will practice speaking and listening skills, reinforced by reading and writing practice. Many wonderful aspects of Spanish and Spanish-American culture are introduced and celebrated.
Prerequisite: None

GRADE 11

FRENCH: COMMUNICATION & CULTURE 30S (FR30S0403)
This dynamic and engaging course is a continuation of Basic French 20F and offers students the opportunity to continue learning Canada's second official language in a fun, culturally rich environment. Through a variety of activities, students will further their listening, speaking, reading, and writing skills to a more advanced level of communication. We will continue to celebrate the culture of French-speaking people, concentrating on Quebec and Montreal.
Prerequisite: French: Communication & Culture 20F

SPANISH 30S (SP30S1080)
This exciting course is a continuation of Spanish 20G. We will focus on language and vocabulary, which will allow students to communicate in Spanish at a more advanced level. Through a variety of fun and engaging activities, students will practice speaking and listening skills, reinforced by reading and writing practice. Many wonderful aspects of Spanish culture will be explored and celebrated, focusing on Spain.
Prerequisite: Spanish 20G

GRADE 12

FRENCH: COMMUNICATION & CULTURE 40S (FR40S0403)
This dynamic and engaging course is a continuation of Basic French 30S and offers students the opportunity to continue learning Canada's second official language in a fun, culturally rich environment. Through a variety of activities, students will further their listening, speaking, reading and writing skills to a very advanced level of communication. We will continue to celebrate the culture of French-speaking people, concentrating on Paris and France. Students who successfully complete Basic French 40S will be extremely well prepared to function in the work force or at the post-secondary level in French. Basic French 40S may be used as a Grade 12 elective course to enroll in university. People with French 40S credits are much sought after in the Canadian work force and when enrolling in university, as their language/communication skills tend to be quite strong.
Prerequisite: French Communication & Culture 30S

SPANISH 40S (SP40S1080)
This exciting course is a continuation of Spanish 30S. We will focus on language and vocabulary, which will allow students to communicate in Spanish at a very advanced level. Through a variety of fun and engaging activities, students will practice speaking and listening skills, reinforced by reading and writing practice. Many wonderful aspects of Spanish culture will be explored and celebrated, focusing on Mexico. Students who successfully complete Spanish 40S will be extremely well prepared to function in the work force or at the post-secondary level in Spanish. Spanish 40S may be used as a Grade 12 elective course to enroll in university. People with Spanish 40S credits are much sought after in the Canadian/American work force and when enrolling in university, as their language/communication skills tend to be quite strong.
Prerequisite: Spanish 30S

STUDENT NAME: _____ PROGRAM MAJOR: _____ DATE: _____
mm/dd/yyyy

GRADUATION CREDIT PLAN

GRADE 9	REG.	COMP.	GRADE 10	REG.	COMP.	GRADE 11	REG.	COMP.	GRADE 12	REG.	COMP.
EN10			EN20			EN30 ( )			EN40 ( )		
MA10			MA20 ( )			MA30 ( )			MA40 ( )		
PE10			PE20			PE30			PE40		
SS10			GE20			HI30			Elective 40 ( )		
SC10			SC20			Elective 30 ( )			Elective 40 ( )		

**REG. = registered; COMP. = complete*

FAILED CREDIT(S):

_____
_____
_____

ADDITIONAL NOTES:

_____
_____
_____
_____
_____
_____
_____
_____

REQUIRED CREDITS:

- 17 compulsory credits
- 13 elective credits

Total: 30 credits for graduation

PROJECTED GRADUATION DATE: _____

LAST UPDATED: MARCH 2019

LORD SELKIRK REGIONAL
COMPREHENSIVE SECONDARY SCHOOL