



Grade Twelve

# Course Handbook

## Windsor Park Collegiate

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Winnipeg, Manitoba R2J 1G3

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Principal: Karen Haluschak

Vice Principal: Nicole Mager

# Course Registration Instructions:

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The following are the details of what you need to know the day that you sit down to sign up for your courses for next year.

**Step One:** Write down on the worksheet all of the courses that you have successfully completed or will complete by the end of this year.

**Step Two:** Decide on what programs you wish to be a part.

- High School
- AP Calculus - Online
- Career Internship Program (CIP)
- Louis Riel Arts and Tech Centre (LRATC)
- Manitoba Institute of Trades and Technology (MITT)

**Step Three:** On your worksheet, check off the compulsory courses (bold) that you must take next year. (Remember if you have failed a compulsory course, you must take it again.)

**Step Four:** Read through the list of elective courses on the following pages of the handbook.

**Step Five:** List five electives in order of priority from your first choice to your fifth choice. (Not all choices will be scheduled.)

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_
- 5) \_\_\_\_\_

**Step Six:** Bring these worksheets with you on course selection day so that you can easily sign up for next year. You will be signing up for your courses on-line with a Student Services Teacher.

**Step Seven:** Look for MyBlueprint Course Selection Sign-Off Sheet which will be sent home in the report card April 13th

**Step Eight:** Sign and return MyBlueprint Course Selection Sign-Off Sheet with Registration Fees of \$140.00 by April 20th. This will determine your official registration.

**Step Nine:** Timetables and opening day information will be mailed out in late August to those students that have paid school fees for 2017-2018.

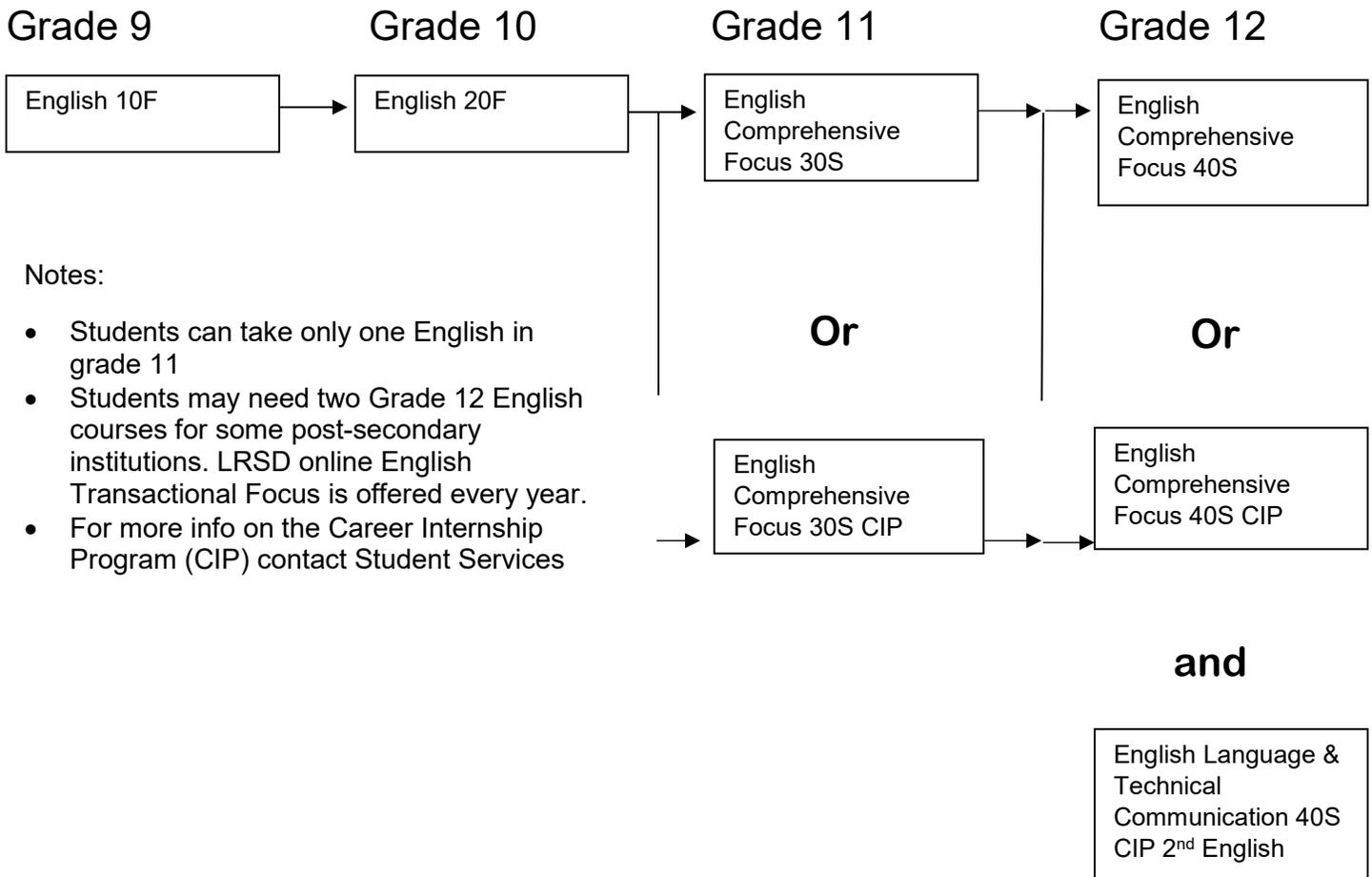
## Important Note:

Once choices have been made and finalized, classes will be organized and staff determined. Courses that have very low enrollment may not be offered or may be combined with others. It is important that you put a lot of thought into the courses that you want as it will be very difficult to make changes to course requests at a later date.

# Compulsory Courses: English Language Arts:

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## English Language Arts Flow Chart:



## ENGLISH LANGUAGE ARTS COMPREHENSIVE FOCUS 40S

1 credit

**PREREQUISITE:** English Language Arts Comprehensive Focus 30S

Comprehensive English, designed to focus on both transactional and literary language, incorporates a balance of pragmatic language (everyday) with aesthetic language (literary). Activities in this course may include oral discussion, letter writing, improvised drama, journals, formal presentations, film, fiction (reading and writing), poetry, and a traditional novel study. The course also includes an Exit Novel Presentation worth 10% of the final grade. The Exit Novel Presentation is a compulsory activity for all Windsor Park Collegiate students that demonstrates reading, writing, speaking, listening, viewing, and representing skills developed over a K-12 English career. Students in grade 12 are expected to write and speak using the proper conventions of language. All students write the Provincial Standards Test (Exam) worth 30% of the final grade.

## **ENGLISH LANGUAGE ARTS COMPREHENSIVE FOCUS 40S -CIP**

**1 credit**

**PREREQUISITE:** English Language Arts Comprehensive 30S

English Comprehensive CIP Focus integrates academic programming with employability skills development to prepare students for the changing labor market. CIP English is designed to focus on traditional transactional and literary language, as well as focusing on personal lives, employability skills and prospective careers. Activities in this course include, a traditional novel study, oral discussions, speech, resume, and cover letter writing, journals, public speaking, building a network of mentors and professionals in career field of interest, job interview preparation, volunteering in the community, and an internship experience. Students in Grade 12 are expected to write and speak using the proper conventions of language. All students in Grade 12 write the Provincial English Standards Exam worth 30% of the final grade.

**NOTE:** Students taking CIP English Comprehensive Focus 40S pay a fee of \$ 80.00

## **ENGLISH LANGUAGE AND TECHNICAL COMMUNICATION 40S-CIP**

**1 credit**

**PREREQUISITE:** English Language Arts Comprehensive Focus 30S

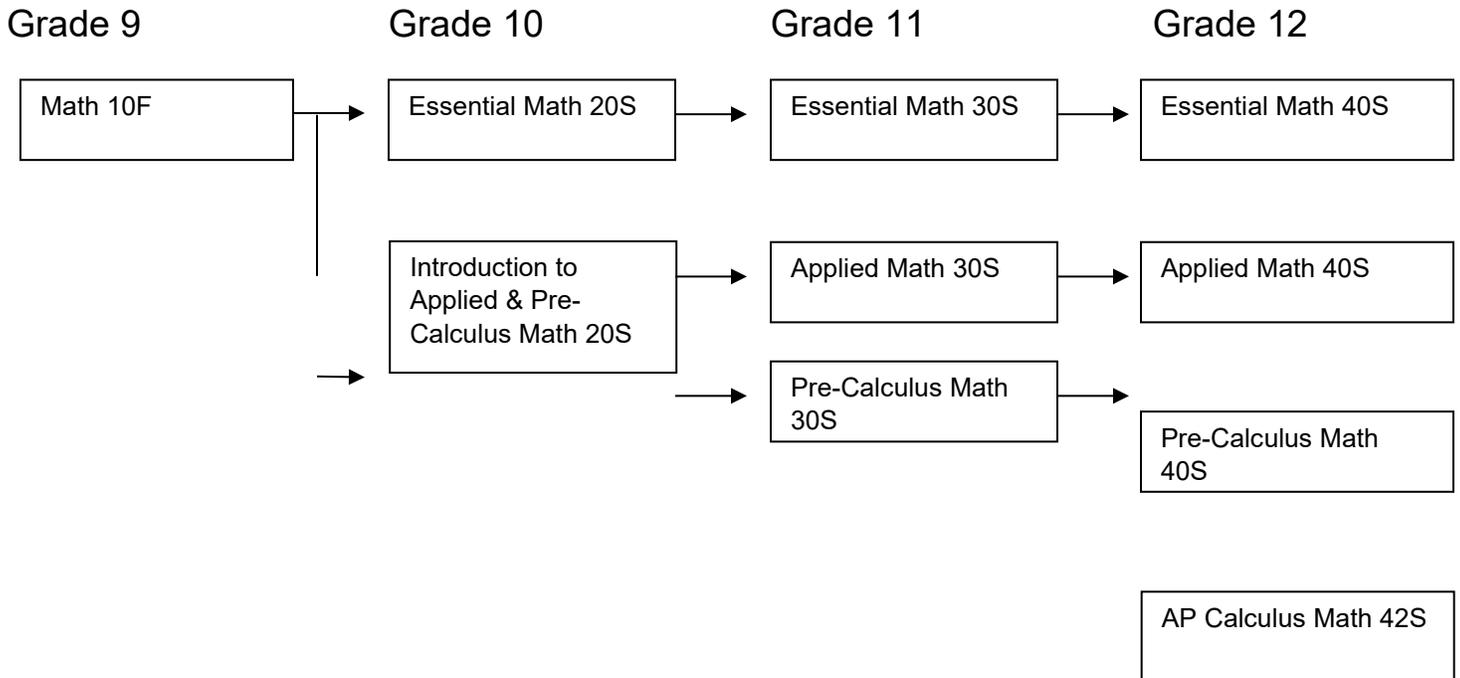
***This English course is compulsory for, and only open to, students enrolled in the CIP program and is to be taken as an Elective.***

Technical language is a form of transactional communication, but with a stronger emphasis on direct language, technical precision, and larger audiences. Students learn of the prevalence of technical documents in everyday life, and how they are shaped and formed for particular audiences; engage specific technical documents that impact on workplaces, such as memos, emails, letters, and technical reports; and improve technical writing styles by applying grammatical concepts such as active/passive voices, parallelism and technical punctuation to all assignments and tasks. Students also learn the *art* and technical technique involved in documents such as brochures, posters, manuals, and promotional advertisements. Students study the “language” of technical communication that includes graphics, direct and emphatic discourse, flowcharting, and other facets of communication that create effective, accessible documents for specific users. All students participate in a three-month team “Tech Project”, a business plan that involves the creation of an innovative idea, concept, or invention. The course culminates in a final exam presentation of the Tech Project to a panel of partners in the community. This course is well suited to students who intend to enter the business world or to further their studies at Technical Colleges or University Business/Management and Engineering programs. Students who intend to study other areas would still benefit from the course’s emphasis on clear written communication.

# Compulsory Courses: Mathematics:

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## Mathematics Flow Chart:



### NOTES:

- Students can take more than one math course per year in grades ten to twelve
- \*Students planning to take AP math should more info on page 10 & 16
- **Grade 12 MATH COURSES HAVE A FINAL PROVINCIAL ACHIEVEMENT TEST worth a certain percentage:**
  - Grade 12 Pre-Calculus and Grade 12 Applied – 30%
  - Grade 12 Essential – 20 %

When choosing a mathematics program, students should consider post-secondary requirements. Each of the mathematics programs is sequential, and is designed to meet different interests, learning needs and education/career goals of students. Students and parents are advised to consult with mathematics teachers and student services in order to decide the best program.

Changing programs between Applied and/or Pre-Calculus and/or Essentials is allowed, but can be difficult for students as they may be missing previously covered skills in that program. When students choose courses which best suit their needs and abilities, they have the greatest chance for success, now and in the future.

## **GRADE 12 APPLIED MATHEMATICS 40S**

**1 credit**

**PREREQUISITE:** 65% recommended in Math 30S Applied

### **UNITS BY PROVINCIAL STRANDS:**

Number Sense: Compound Interest, Investment,

Patterns & Relations: Sinusoidal Functions, Polynomial Functions, Exponential and Logarithmic Functions

Shapes & Space: Design and Measurement

Statistics & Probability: Probability, Permutations and Combinations

### **REQUIRED EQUIPMENT/PERSONAL SUPPLIES:**

All students are **required** to have a 3-ring binder, pencil, eraser, and ruler. (Cell phone calculators are not permitted).

Applied Math is intended for students considering post-secondary studies that do not require a study of calculus. It is more contextual than Pre-Calculus and promotes the learning of numerical problem-solving techniques as they relate to the world.

## **GRADE 12 ESSENTIAL MATHEMATICS 40S**

**1 credit**

**PREREQUISITE:** Math 30S Pre-Calculus or Math 30S Applied or Essential Math 30S

Grade 12 essential Mathematics (40S) is intended for students whose post-secondary planning includes everything except a focus on mathematics and science-related fields. Grade 12 essential Mathematics (40S) is a one-credit course emphasizing consumer applications, problem solving, decision making, and spatial sense.

### **UNITS BY PROVINCIAL STRANDS:**

Number Sense: Analysis of Games & Numbers, Vehicle Finance, Home Finance, Business Finance, Career Life

Patterns & Relations: Relations & Functions

Shapes & Space: Geometry and Trigonometry, Precision Measurement

Statistics & Probability: Statistics

### **EQUIPMENT / PERSONAL SUPPLIES:**

All students are required to have a 3-ring binder, pencil, eraser, scientific calculator (showing trigonometry functions – sin, cos, tan) and ruler. (Cell phone calculators are not permitted).

### **SPECIAL NOTES:**

Essential Mathematics is accepted at some post-secondary institutes. Check with a counselor or a math teacher to ensure that Essential Mathematics is a viable Elective for your chosen career path.

# GRADE 12 PRE-CALCULUS MATHEMATICS 40S

1 credit

**PREREQUISITE:** 70% recommended in Math 30S Pre-Calculus

This course is a continuation of Math 30S Pre-Calculus.

## UNITS BY PROVINCIAL STRANDS:

Number Sense: Binomial Theorem, Trigonometric Equations and Identities,

Patterns & Relations: Transformations of Functions, Trigonometric Functions, Polynomial Functions, Exponents and Logarithms, Radicals and Rationales

Shapes & Space: N/A

Statistics & Probability: N/A

## EQUIPMENT/PERSONAL SUPPLIES:

All students are required to have a 3-ring binder, pencil, eraser, scientific calculator (cell phone calculators are not permitted), and ruler.

**SPECIAL NOTES:** A mark of at least 70% in Pre-Calculus 30s is recommended to do Pre-Calculus 40s. Students who experience difficulty in mathematics would benefit from having this course in the first semester. If you are scheduled in second semester, make an appointment with Student Services during the last week of August and every attempt will be made to switch it to first semester.

<b>AP MATHEMATICS 42S 1 credit</b>		
Windsor Park is proud to offer AP Calculus Math. Mathematically talented students can obtain a university credit in mathematics before they finish high school if they follow one of the following schedules. This course is offered online.		
Elective 1:		
Grade	Semester One	Semester Two
<i>Nine</i>	Math 10F (in either semester)	
<i>Ten</i>	Introduction to Pre-Calc and Applied (in either semester)**	
<i>Eleven</i>	Pre-Calc 30S***	Pre-Calc 40S***
<i>Twelve</i>	AP Calculus	
Elective 2:		
Grade	Semester One	Semester Two
<i>Nine</i>	Math 10F (in either semester)*	
<i>Ten</i>	Intro to Applied & Pre-Calc20S	Pre-Calc30S***
<i>Eleven</i>	Pre-Calc40S***	

<i>Twelve</i>	AP Calculus	
<b>Elective 3:</b> *this Elective will be extremely challenging as students will not have completed Grade 12 Pre-Calc before starting AP Calculus		
<i>Nine</i>	Math 10F (in either semester)	
<i>Ten</i>	Introduction to Pre-Calc and Applied (in either semester)	
<i>Eleven</i>	Pre-Calc30S (in either semester)***	
<i>Twelve</i>	Pre-Calc40S	
	AP Calculus	
<p>*A minimum mark of 75% is required in math 10F in order to take this track of AP math.</p> <p>**A minimum mark of 75% is required in Introduction to Pre-Calc and Applied</p> <p>***A minimum mark of 75% is required in both Pre-Calc 30 and 40 in order to take AP math.</p>		

# Compulsory Courses: Social Studies:

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## *Social Studies Flow Chart:*

### Grade 9

Canada in the  
Contemporary World  
10F



### Grade 10

Geography of  
Canada 20F



### Grade 11

History of Canada  
30F

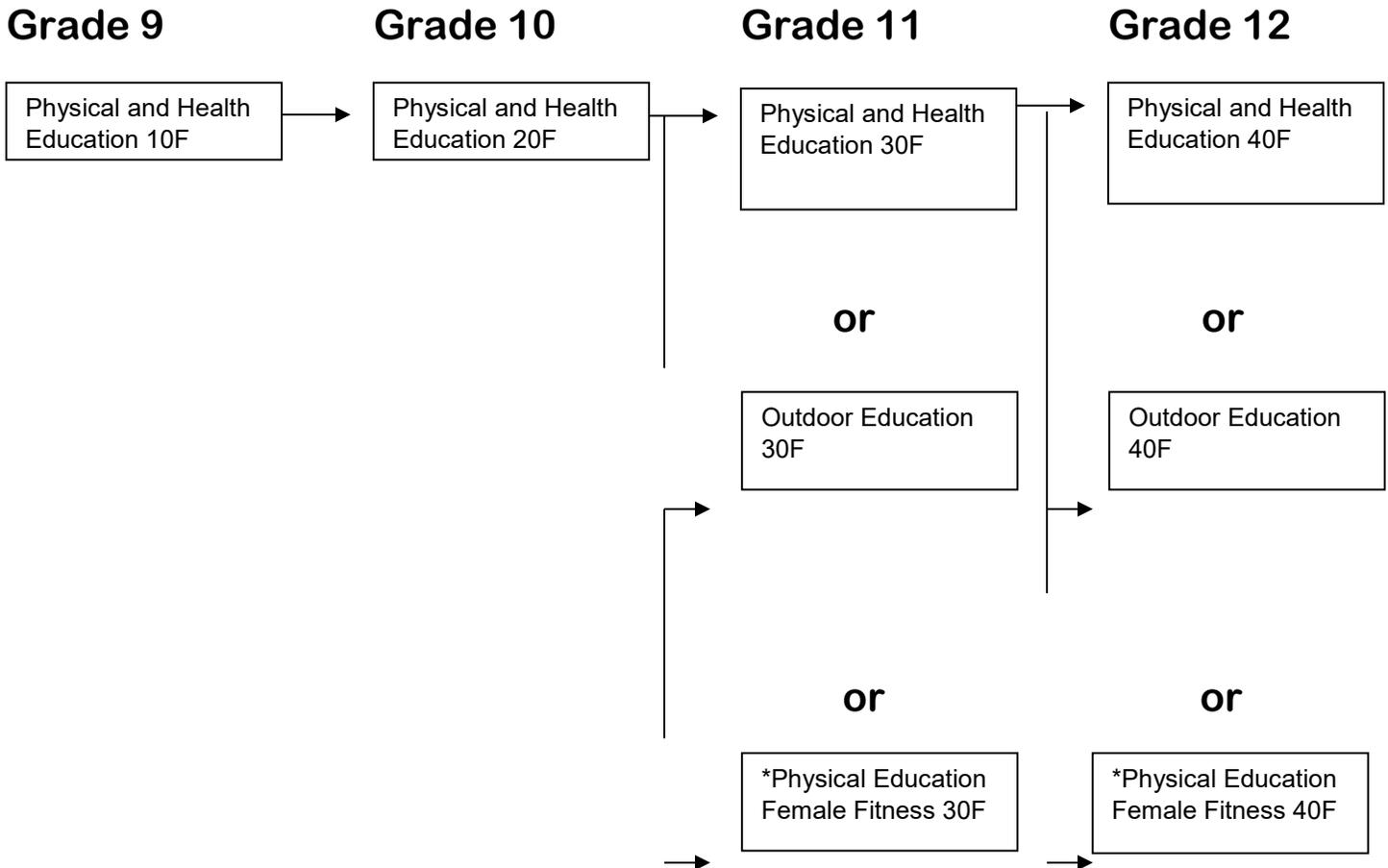
### Grade 12

*\*although there are no compulsory courses in Social Studies in grade 12, students are encouraged to consider such courses as Global Issues: Citizenship and Sustainability AP World History, Current Topics in First Nations, or Law.*

# Compulsory Courses: Physical and Health Education:

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## *Physical and Health Education Flow Chart:*



**\*Outdoor Education has an extra fee of \$150.00**

**\*Female students may choose a female only fitness class. Fee is \$40.00**

### ***EQUIPMENT / PERSONAL SUPPLIES FOR ALL PHYSICAL EDUCATION COURSES***

For safe and effective participation, students are expected to change into appropriate gym clothes for each class. Appropriate gym clothing includes a T-shirt, running shoes and gym shorts or track pants. A notebook and pen will be needed and a towel is recommended.

## **GRADE 12 PHYSICAL EDUCATION 40F (REGULAR)**

**1 credit**

**PREREQUISITE:** Physical Education 30F

This compulsory full-credit course is designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and to engage in active lifestyles into their futures. Students will study topics related to fitness management, nutrition, sexual health, social/emotional health, and personal development. The focus of this content will be on health and personal planning.

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

## **GRADE 12 PHYSICAL EDUCATION - FEMALE FITNESS 40F**

**1 credit**

**PREREQUISITE:** Physical Education 30F

This course focuses on topics, issues and concerns relevant to young women's lives relating to personal health, wellness and fitness. Students will take part in a wide variety of activities that will help them take greater ownership of their personal physical fitness development. It will also encourage the discovery of new physical activities suited to their personal interests and promote an active, healthy lifestyle and overall personal wellness. This course may have fees which are required to cover costs of facilities and guest instructors. The students will work towards the learning outcomes through a variety of activities which might include:

### **PERSONAL FITNESS MANAGEMENT:**

Yoga, tai chi, cardio dance, Pilates, circuit training, resistance training, power walking, low organized games, cycle fitness (spin)

### **LIFETIME ACTIVITIES:**

Self-defense, outdoor cross training, racquet sports, wall climbing, badminton, golf, community facility awareness

### **CLASSROOM ACTIVITIES:**

Mental health, personal and social development, healthy relationships, body image, nutrition

**SPECIAL NOTES:** An activity fee of \$40.00 will be charged for all students enrolled in Female Fitness to cover extra costs.

## **GRADE 12 ELECTIVE COURSES:**

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### **MATH AND SCIENCES**

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#### **ADVANCED PLACEMENT CALCULUS 42S AB (ONLINE)**

**1 credit**

**PREREQUISITE:** Pre-Calculus 30S (80% final grade recommended and currently enrolled in Pre-Calculus 40S.)

Advanced Placement Calculus AB is a university level course and it is primarily concerned with the development of students' understanding of the concepts in Calculus and to provide experience with its methods and applications. This introductory calculus course covers the topics of (I) Functions, Graphs, and Limits (II) Derivatives and (III) Integrals. The course emphasizes a multi-presentation approach to calculus with concepts, results and problems being expressed graphically, numerically, analytically and verbally.

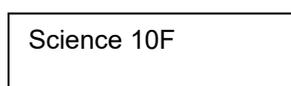
**ADDITIONAL INFORMATION:** This Course begins in October and ends in May. All students are required to have a T1-83 or T1-84 graphing calculator. (Cell phone calculators are not permitted)

Students interested in writing the Optional Advanced Placement (AP) College Board exam must pay a fee of approximately \$100. The exam is written in May, but the mark is not received until July. The exam mark is not used to calculate a student's final grade. As such, an in-school final exam is written at the completion of the course in May. Both exams will be written at the Arts and Technology Centre.

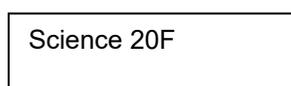
**UNIVERSITY CREDIT:** Taking the AP exam is not compulsory, but students who successfully challenge the examination and receive a mark of 4 or 5 (out of 5) may earn a University Credit or an Advanced Standing at numerous universities and colleges across Canada and the United States. Universities grant credits for AP courses based on the universities' local mark requirement on the AP exam.

### ***Science Flow Chart:***

#### **Grade 9**



#### **Grade 10**



#### **Grade 11**

*Although there are no compulsory courses in Science in grade 11 and 12, students are encouraged to pursue courses in Chemistry, Biology and/or Physics.*

#### **Grade 12**

*Students interested in going to a university, college or other school after they graduate should make sure that they have the needed grade 11 and/or 12 electives.*

Grade 12 Science Electives are in the Elective courses section.

**Important Note:**

After you graduate, you may wish to go to university, college, or become an apprentice etc. Some programs that you may want to take have prerequisites. If you have not taken these particular credits in high school they will not let you into the program.

This means that some of the science courses that are chosen, or not, in grade 11 may have an effect on whether or not a student can take the program that they want after they graduate.

## **BIOLOGY 40S**

**1 credit**

**PREREQUISITE:** Science 20F

Topics revolve around the many areas of plant, animal and human diversity. The areas of emphasis include the following:

- Understanding Biological Inheritance; students who are very interested in the study of genetics will enjoy this portion of the course.
- Evolutionary Theory and Biodiversity: Evolution is the theme that unifies all of the different fields of biology. Biodiversity and how it relates to ecosystem, species and genetic diversity is an area of interest to many students.
- Discussion of a variety of reasons for maintaining biodiversity including, maintaining a diverse gene pool, economic value, and the sustainability of an ecosystem.
- In this science we look at diversity in the world around us. Including classifying organisms and discussing their evolutionary past.

### **SPECIAL NOTES:**

Prerequisites for entering the Faculty of Science and many other related faculties at the post-secondary level have changed. High school biology is no longer recommended for some university courses, it is required.

## **CHEMISTRY 40S**

**1 credit**

**PREREQUISITE:** Chemistry 30S, Pre-Calculus 30S OR Applied Math 30S

The course further explores how and why reactions occur and are affected by various conditions.

### **UNITS:**

Aqueous reactions – deals with reactions that occur in water.

Kinetics – qualitative and quantitative properties that affect the speed of reactions.

Chemical equilibrium – qualitatively and quantitatively determine how reactions behave and change under various conditions.

Acids and Bases –deals with the strength of Acids and Bases and quantifies pH.

Electrochemistry - batteries and reactions that create or use electricity.

Atomic structure – further explores the Quantum model of the atom and light spectra.

**EQUIPMENT** The student will be required to have a scientific calculator.

## **PHYSICS 40S**

**1 credit**

**PREREQUISITE:** Physics 30S, Pre-Calculus 30S (Recommended)

The course continues the topics introduced in Physics 30S. The focus in this course is to build upon and explore in more depth the concepts previously learned. The units covered include:

Mechanics – introduces how an object moves in two dimensions using vectors.

Fields – further explores the interaction of the various fields (electric, magnetic, electromagnetic, and gravitational).

Electricity – deals with electric circuits.

Medical Physics – introduces types of radiation and radioactive decay.

#### EQUIPMENT

Students will be required to have a scientific calculator (cell phone calculators are not permitted).

## COMPUTER SCIENCE

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### COMPUTER SCIENCE 40S

**1 credit**

**PREREQUISITE:** Computer Science 30S

This course is of interest to students who would like to pursue further studies in computer science. Students will develop knowledge, skills, and attitudes applicable to situations beyond computer science. Students will learn how to work both independently and collaboratively in order to complete a series of projects and rich tasks. Students will use the interactive programming software "BlueJ" to produce programs that can be shared with a global audience. Students will write programs in Java and C# covering topics such as – sequential and random access files, object-oriented programming, recursion, two-dimensional arrays, analyzing algorithms, and sorting and searching. Students must also learn a new programming language independently.

## INFORMATION COMMUNICATION TECHNOLOGY

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### YEARBOOK

### APPLIED TECHNOLOGY - YEARBOOK YAT40S

**1 credit**

**PREREQUISITE:** none

Applied Technology – Yearbook Production allows students to take on an editorial or leadership role. In this course, returning members are expected to lead team meetings and help with software and equipment training and are also eligible to run a department (ex: editor, design editor, copy editor). Students enrolled in will be expected to develop and demonstrate strong leadership skills. Yearbook provides students with the opportunity to develop skills in a variety of areas including: photography, writing and desktop publishing. The course will consist of both theory and application projects where students will apply their skills to design/publish print documents. The practicum projects consist of the class working together to publish the school yearbook. APPLIED TECHNOLOGY - YEARBOOK PRODUCTION 40S will appear on the official school transcript.

#### EQUIPMENT / PERSONAL SUPPLIES

Students may supply and use their own digital SLR camera.

SPECIAL NOTES: This course is scheduled outside the regular timetable and runs from September to June.

## ARTS

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### ACTIVIST ART 40S

1 credit

**PREREQUISITE:** None

Activist Art will explore how artists create work that engages social and political issues. If you are interested in examining local and global injustice through art – this course is for you! Topics studied (but not limited to) are Indigenous Rights, Feminism, Poverty, LGBTQ Rights and Environmentalism. A variety of learning tasks such as discussions and journaling will deepen your understanding of the complexity of social and political issues. Create art on an issue(s) you are passionate about.

Studio Fee \$20.00

### CONCERT CHOIR 40S

1 credit

**PREREQUISITE:** None

This is a performance oriented course. Students will perform as part of the Vocal Ensemble in a variety of venues and events. They will learn about the anatomy of the voice, and how to sing in a healthy manner through music of multiple genres. Students will also be exposed to different repertoire of popular acapella music groups via in-class and at-home listening.

#### REQUIRED MATERIALS

A Music Program fee of \$20.00 is charged for Choir unless the student is already registered in Band or Guitar Method books and music sheets will be supplied at no cost to the student. Students will also be expected to have simple concert attire, consisting of black dress pants, dress shoes, and a black or white dress shirt/blouse or similarly professional shirt. All students will require pencils and erasers for rehearsal marking.

**SPECIAL NOTES** Choir typically takes place during the lunch hour on alternating days, and runs throughout the entire year. Being a performance and rehearsal-based course, students will be expected to attend and participate in all scheduled rehearsals, sectionals, and performances.

### CONCERT BAND 40S

1 credit

**PREREQUISITE:** none

Concert Band is a performance-based course, with a focus on the skills required for making music as part of an ensemble. Instruction in theory, instrumental technique, improvisation, composition, and application of skills in the lifelong appreciation of music will also be given. Students at this level have the opportunity to become leaders in their sections, and undertake a great deal of responsibility for the band's performance. The Windsor Park Concert Band performs a diverse range of historical and contemporary music across a wide variety of genres. The band is highlighted by many performances throughout the year at special events, festivals, feeder school visits, evening concerts and on the spring music trip.

#### EQUIPMENT / PERSONAL SUPPLIES

Students using division-owned instruments will be charged a course fee of \$120.00 plus \$20.00 music fee to defray the cost of maintenance, cleaning, repairs and supplies. Students may instead rent or purchase their own instrument, if desired. All related supplies (reeds, valve oil, etc.) will be provided by the school as available, but are ultimately the student's responsibility.

#### SPECIAL NOTES:

Students are expected to participate in all scheduled rehearsals, sectionals, concerts and performances. Independent preparation of individual musical parts is expected and required. Students should note that Concert Band 40S can be used as a university entrance credit.

## **DRAMATIC ARTS (DRAMA) 40S**

**1 credit**

**PREREQUISITE:** None

Drama students learn about theatre by doing warm-up games, improvisations, scenes, exercises, and formal productions. Students learn about acting and theatre history with an emphasis on “getting out of your seat and doing it”. To learn how to act, students have to actually do it.

The students will study:

- Improvisation and theatre sports
- Modern play scenes
- Theatre history
- Public performance

Special notes: Drama is especially beneficial for students wishing to study the performing arts, but it is also appropriate for all students looking for a creative outlet. A great deal of emphasis is placed on encouraging creative thinking and positive teamwork.

## **GUITAR 40S**

**1 credit**

**PREREQUISITE:** Music Guitar 30S

This is a performance oriented course. Students will perform as part of the full Guitar Ensemble, in smaller groups and in solo presentations. More emphasis will be placed on small group work. Students will expand their familiarity with the entire fret board. An increasingly divergent range of styles and playing techniques will be studied.

### **EQUIPMENT / PERSONAL SUPPLIES**

A course fee of \$40.00 applies to all Guitar students. Method books and music sheets will be supplied by the school at no cost to the student.

### **SPECIAL NOTES**

The study of a music instrument is a lifelong endeavor which can provide hours of enjoyment during leisure time. The dedicated musician may further their study at the undergraduate level or pursue a variety of professional careers in music.

## **JAZZ BAND 40S**

**1 credit**

**PREREQUISITE:** Registration in Concert Band

Jazz Band is a performance-based course, with a focus on the skills required for playing jazz as part of an ensemble. Instrumentation includes trumpets, trombones, saxophones, guitar, piano, bass and drums. Band members will be given instruction in theory, instrumental technique, improvisation, and composition. Students at this level have the opportunity to become leaders, soloists, and feature players in their sections, and undertake a great deal of responsibility for the band's performance. The Windsor Park Jazz Band performs a diverse range of historical and contemporary music across a wide variety of genres. The band is highlighted by many performances throughout the year at special events, festivals, feeder school visits, evening concerts and on the spring music trip.

### **EQUIPMENT / PERSONAL SUPPLIES**

Students registered in Concert Band will not be charged for using a division-owned instrument in Jazz Band. Students may instead rent or purchase their own instrument, if desired. All related supplies (reeds, valve oil, etc.) will be provided by the school as available, but are ultimately the student's responsibility.

**SPECIAL NOTES:**

Students are expected to participate in all scheduled rehearsals, sectionals, concerts and performances. Independent preparation of individual musical parts is expected and required. Students should note that Jazz Band 40S can be used as a university entrance credit. Jazz Band is a full-year course.

**ELECTRIC GUITAR 40S**

**1 credit**

**PREREQUISITE:** Music Guitar 30S

This course is designed for the dedicated guitar student interested in the electric guitar and Plectrum technique. Students will explore the Jazz idiom through standards, Rock-fusion and Latin styles. The focus of the course will be on performance, technique, improvisation, and jazz rudiments.

**EQUIPMENT / PERSONAL SUPPLIES**

A course fee of \$40.00 applies to all Guitar students. Method books and music sheets will be supplied by the school at no cost to the student.

**SPECIAL NOTES**

Students participating in the Jazz Guitar Ensemble are expected to have access to an electric guitar and amplifier.

**MUSICAL THEATRE 40S**

**1 credit**

Prerequisite: None

Students learn about Musical theatre through performing in the musical theatre production. Students from all four grades work in the same production, and study characterization, vocal projection, blocking, storytelling, and performance while sharing a creative adventure with other members of the cast.

Special notes: This is the entry level course for students in grades ten to twelve. Students do enter the course by audition, but previous training or experience is not required. Rehearsals are after regular school hours.

**THEATRE PRODUCTION 45S**

**0.5 credit**

Prerequisite: No previous experience or training is necessary.

Theatre production students work on the technical requirements for the musical theatre production. Students learn about Stage Management, lights and sound operation, set design and construction, costume design and construction, and theatrical House Management.

Special notes: This is the entry level course for students from grades ten to twelve. Work on the musical theatre production occurs after regular school hours

## **VISUAL ARTS 40S**

**1 credit**

**PREREQUISITE:** Art 30S

Time to take your life experiences and express them through art. Utilize the fully equipped studio to create a masterpiece. Look and respond to the artwork of others to help guide your art practice. The course will begin with projects that ignite your creative process before you move to your independent exploration. The second half of the course you will take control and explore your passions in art. Personalize your artistic journey through meaningful art making. Special support will be given to those compiling a portfolio for future pursuits.

Studio Fee \$20

## **FRENCH**

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### **FRENCH - COMMUNICATION AND CULTURE 40F**

**1 credit**

**PREREQUISITE:** French 30F

This course is a participation based course where students acquire French communication skills such as reading, writing, listening and speaking while learning about French culture in Canada and around the world. A heavier emphasis is placed on the acquisition of spoken language. Be ready to speak and interact with your peers on a daily basis through small group activities, songs, and lots of games.

#### **EQUIPMENT / PERSONAL SUPPLIES**

3 Ring binder with loose-leaf, highlighter and pen.

## **HUMAN ECOLOGY**

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#### **GENERAL INFORMATION**

- All Home Economics courses are worth 1 credit.
- There are no prerequisites for any Home Economics course. The Provincial curriculum allows for much flexibility and is designed to be non-sequential. All courses are open to any grades 10, 11 and 12 students.
- Family Studies 40S and Foods and Nutrition 40S are approved admission courses at the University of Manitoba and University of Winnipeg.
- In order to offer as many choices to students throughout their years at WPC, we may be offering courses on a rotational basis from year to year.

## **TEXTILE ARTS & DESIGN 40G**

**1 credit**

**PREREQUISITE:** None

This is a hands-on course where the projects will be based on the experience the student has in the sewing lab. There is a one required project to ensure that each student can complete required skills in the lab and the remainder of the course consists of choice projects. The focus of the class will be design and construction of textiles and textile products. Supplies for required projects are available to students in the classroom. Many supplies are also available for choice projects but if specific materials or patterns are needed, they are the student's responsibility.

## **FAMILY STUDIES 40S**

**1 credit**

**PREREQUISITE:** None

This Family Studies course gives students the opportunity to discover how individuals, families and society are interconnected in the lives of all people. Students will explore who they are as individuals and who they want to become by understanding their personal values and goals. Emphasis will be placed on communication skills, values clarification and self-exploration. Also, students will study families and their changing structures and functions. Students will acquire skills and knowledge necessary to strengthen bonds through their lives. This credit can be used for University acceptance.

\*NOTE: Students who chose the 40S Elective will be required to do extra course work and write a final exam. This 40S credit is accepted by both the University of Manitoba and University of Winnipeg.

## **FOOD AND NUTRITION 40S**

**1 credit**

**PREREQUISITE:** None

In this course students are challenged with the issue of hunger, both locally and globally and reflect on what can be done to alleviate the problem. That leads into the study of international food and research on a country of choice kicks off the presentation of "Food Folklorama". We touch on the topic of alcohol and nutrition as well as food trends and technology. And finally, concentrate on developing life skills by planning nutritious meals within a limited budget.

In cooking classes, the focus is more experimental and challenging, but will also be practical in order to offer a healthy repertoire of everyday recipes for future independent living.

### **EQUIPMENT / PERSONAL SUPPLIES**

Students require a binder and pen for each class. All other necessary equipment for practical labs is supplied.

## **HUMANITIES**

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### **CURRENT TOPICS IN FIRST NATIONS, METIS AND INUIT STUDIES 40S 1 credit**

**Prerequisite:** None

This course focuses on current issues that face aboriginal citizens of Canada in recent and current history. Students will develop an understanding and appreciation of the culture and reality of First Nations, Metis and Inuit people of Manitoba and Canada. This course is structured around four thematic units: Image & Identity, Relations with Government, Social Justice Issues, & Indigenous

Peoples and the World. This is a highly interactive class with readings, guest speakers, panel discussions and field trips. Assessment: 70% term work & participation, 30% final project.

## **GLOBAL ISSUES: CITIZENSHIP AND SUSTAINABILITY 40S**

**1 credit**

**Prerequisite:** History 30F

NOTE: We recommend that students pursuing post-secondary college or university studies consider this 40S course with its emphasis on oral and writing skills for an academic audience.

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. This course is based on the principles of active democratic citizenship, ecological literacy, critical media literacy, and ethical decision-making, and consolidates learning across the disciplines to empower students as agents of change for a sustainable and equitable future. A component of the course is the planning and implementation of a community-based action-research project.

Topics include:

- Media
- Consumerism
- The environment
- Wealth and power
- Indigenous peoples
- Peace and conflict
- Oppression and genocide
- Health and biotechnology
- Gender and identity
- Social justice and human rights

## **LAW 40S**

**1 credit**

**PREREQUISITE:** None

This course provides an excellent opportunity for students to acquire knowledge of basic legal principles and practices, and to make them aware of their legal rights and responsibilities as they arise in everyday life.

UNITS OF STUDY INCLUDE:

- Foundations of our Legal System
- Criminal Law
- Civil Law
- Contract Law
- Other topics of interest may be covered as time permits

\*Active participation, including debates, case studies, weekly newspaper readings and mock trials are included as part of this course.

## **PSYCHOLOGY 40S**

**1 credit**

**PREREQUISITE:** None

Psychology is the study of behaviour and mental processes. Studying psychology gives students lifelong skills such as dealing with issues proactively, solving problems, learning, and nurturing healthy relationships. Psychology helps students understand themselves, and deal with issues in their own lives such as inner conflicts, relationships with parents and peers, and intimacy. It also helps students understand societal problems like drug dependency, aggression, and discrimination.

This course exposes students to the major topics found in the field of psychology. It also emphasizes the issues that are of particular direct interest and relevance to students completing high school. Students explore the scientific methods upon which psychology is based. They can then apply what they learned to their daily lives.

**SPECIAL NOTES:**

This course is an approved course for admission into most universities.

## **INDUSTRIAL ARTS**

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### **METALWORK TECHNOLOGY 40G**

**1 credit**

**PREREQUISITE:** Metalwork 30G

This course will include advanced MACHINING, MILLING, PLASMA CUTTING, OXY, ARC, MIG CNC operations, aluminum sublimation and to include TIG WELDING. Students will become proficient in lab safety and in machine maintenance and repair. A power mechanic component will include small engine teardown, trouble-shooting and repair. Any student considering a career in the areas of Engineer, Aviation, Tool and Die, Automotive, Welding, Auto body or Sheet Metal Fabrication would do well to sign up for this program. To help prepare our future trade's people, technical literacy will be reinforced. If you're looking for a fast paced, high energy course with potential in a post-secondary career, and this is it.

**EQUIPMENT / PERSONAL SUPPLIES**

Students are expected to come to class prepared to work, with a 3-ring binder, a pencil and an eraser.

**SPECIAL NOTES**

Due to safety concerns, there is a dress code in effect while attending Tech. Ed programs. Safety glasses are to be worn at all times.

### **WOODWORK TECHNOLOGY (FURNITURE DESIGN) 40S**

**1 credit**

**PREREQUISITE:** None

This course is designed to provide the fundamental and technical skills in furniture design and manufacturing. Unleash your creative woodworking potential by applying new technologies in the

fabrication of jigs and fixtures to create beautiful and practical projects. Student projects range from tables, using new and time honored techniques to creative wood turnings, intarsia and finishing.

#### EQUIPMENT / PERSONAL SUPPLIES

Students are expected to come to class prepared to work, with a 3-ring binder, a pencil and an eraser.

#### SPECIAL NOTES

Due to safety concerns, there is a dress code in effect while attending Tech. Ed programs. Safety glasses are to be worn at all times.

## **GRAPHIC COMMUNICATION TECHNOLOGY 40S**

**1 credit**

**PREREQUISITE:** Graphics Communication Technology 30S

This course has a compulsory component and an independent work component.

Some areas of study are:

- |                                  |                      |
|----------------------------------|----------------------|
| ~Offset Lithography              | ~Media Production    |
| ~Photo Journalism                | ~Photo Composition   |
| ~Airbrushing                     | ~Architecture Design |
| ~Video Advertising               | ~Digital Photography |
| ~Mass Production Screen Printing |                      |

Special Notes:

Students will design their own program goals for the remainder of the course. They will be able to choose topics such as, drafting and architecture, architectural model building, photography, video production, and numerous other topics. Independent project work should be geared toward post-secondary career choices such as Drafting, Graphic Design, Commercial Art, Interior Design, Fine Arts, Photography or related fields.

## **WPC Special Programs: Online Program**

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All high school students in the LRSD are eligible for these courses with the approval of their high school administration. Various circumstances can make online courses an appropriate Elective for some students:

- course conflict
- full schedule
- course not offered at their home school
- School absence due to illness/surgery, elite athletics, etc.
- the need to change or add a course once the term has started

## What to Expect

Taking a course online is challenging and requires students to be willing to commit the same amount of time as they typically would in a face-to-face classroom environment. Past experience indicates that interested students should possess the following characteristics:

- capable of an appropriate level of independent learning
- excellent time management skills
- a willingness to contribute to discussions and to share problems and opinions online

An online course delivery tool called **WebCT** is used to deliver course content. Teachers provide students with course outlines, assignments, tests and feedback using this system and e-mail. Course content is available on the Internet at all times.

The following online courses will be offered in 2019–2020

AP Calculus 42S (all year)	Essential Mathematics 30S
AP World History 42S (all year)	Essential Mathematics 40S
Applied Mathematics 30S	History 30S
Applied Mathematics 40S	Physical Education 30S (English/French)
Biology 30S (first semester)	Physical Education 40S (English/French)
Biology 40S (first semester)	Physics 30S (first semester)
English Transactional Focus 30S	Physics 40S (first semester)
English Comprehensive Focus 40S	Pre-Calculus 30S (second semester)
English Transactional Focus 40S	Pre-Calculus 40S (second semester)

## Candidates for the Program

Ideally, students interested in registering for an online course should be self-motivated, capable of independent learning and have excellent time management skills. Students will be responsible for meeting deadlines, completing assignments and contributing to online discussions while working in the online environment. Students will have a school contact teacher to facilitate communication and provide additional support.

Application forms can be obtained from the Students Service Department.

## **Secondary Education Information**

Graduating from high school does not automatically qualify students to attend university and/or college. Each Post-Secondary Institution has its own set of entrance requirements and criteria. Visit the websites for the most up to date information on program entrance requirements. If you are unsure, about your course selection, make an appointment in the Academic Centre to go over your choices.

**A general rule for schools in Manitoba – you will need 5, grade 12 level courses – not including Phys. Ed.**

**University of Manitoba – [www.umanitoba.ca](http://www.umanitoba.ca) – click on Future Students on the Home page.**

**University of Winnipeg – [www.uwinnipeg.ca](http://www.uwinnipeg.ca) - click on Future Students on the Home page.**

**Red River College – [www.rrc.mb.ca](http://www.rrc.mb.ca) – click on Programs & Courses on the Home page**

**Louis Riel Art and Technology Centre & Winnipeg Tech Centre: Resources are available in the Academic Centre.**