

**WEST KILDONAN
COLLEGIATE**

**GRADE 10/11/12
COURSE BOOK
2020 - 2021**



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Welcome to West Kildonan Collegiate

Whether you are a new student registering at West Kildonan Collegiate or a returning student, we have prepared this handbook to assist you and your family in planning for your continued education with us. West Kildonan Collegiate offers an immense variety of experiences for students to develop and explore their interests, ignite their passions for further life-long learning, contribute to their communities and promote learning for potential careers and post-secondary education. We encourage students to make the most of the opportunities available to them in academics, athletics, performing/visual arts, clubs, committees, technology & applied arts, and community service learning.

WK is a place where diverse students come together to learn to live, work, celebrate, collaborate and share their uniqueness in the world.

Students and teacher advisors meet regularly throughout their time at WK. Each student's teacher advisor guides them through the yearly registration process and meets regularly to assist with academic planning, goal setting and support their overall educational experiences and development.

Creating a sense of belonging, fostering a sense of curiosity, helping students discover interests and developing work ethic are the keys to student engagement and meaningful school experiences. Our staff is here to inspire, challenge, guide and support all of our students in their learning.

We look forward to learning together in the upcoming school year.

WEST KILDONAN COLLEGIATE CYCLE SCHEDULE

TIME	SLOT	LATE START WEDNESDAY
8:30 – 9:45	A	9:30 – 10:30
5 MIN. BREAK		5 MIN. BREAK
9:50 – 10:35	B	10:35 – 11:05
5 MIN. BREAK		5 MIN. BREAK
10:40 – 11:50	C	11:10 – 12:10
11:50 – 12:50	LUNCH	12:10 – 1:10
12:50 – 2:00	D	1:10 – 2:10
5 MIN. BREAK		5 MIN. BREAK
2:05 – 3:15	E	2:15 – 3:15
OT Time to be arranged with teacher		

This course book is also available on-line on the school website. www.7oaks.org/school/westkildonan

Safe and Caring School Communities

In Seven Oaks, the following is our divisional mission statement:

***The Seven Oaks School Division is a community of learners,
Every one of whom shares the responsibility
To assist children in acquiring an education
Which will enable them to lead fulfilling lives within the world
As moral people and contributing members of society.
- 1993***

In order for us to achieve our goals, our schools work daily to teach the children in our care how to get along with others. Our staff expects to work on a daily basis to build safe, respectful, considerate and caring communities in our classrooms and schools. They expected to teach children to do the right thing for the right reason, to take responsibility for their actions, to solve problems, understand one another and to correct and learn from their mistakes.

Our schools expect to teach students that there are firm and clear expectations for them. Those expectations include:

- Harassing, abusive or bullying behaviour, whether physical, sexual, psychological or electronic will not be tolerated;
- Actions that discriminates against anyone on the basis of any characteristic set out in subsection (292) of the Human Rights Code is unacceptable;
- Using, possessing or being under the influence of alcohol or illicit drugs at school is unacceptable;
- Gang involvement is unacceptable;
- Possession of a weapon as defined in Section 2 of the Criminal Code of Canada is unacceptable;
- Information technology, electronic mail and the internet is appropriately used and with appropriate safeguards.

Our schools expect to use a range of instruction, community building and disciplinary approaches to teach our students to behave in ways that are respectful, considerate and safe. Consequences for behaviour must consider the age of students, the context for the behaviour, the pattern of behaviour, and the ability to comprehend and comply. Consequences can range from verbal correction to mediation and restitution to suspension from school and even expulsion and criminal prosecution.

Access to Student Information

Under Provincial Regulations, parents and guardians of students who are 18 years of age or older do not have access to information related to their children's attendance and marks at school unless a student signs a release which enables the sharing of information with parents/guardians. Students sign a release form when they turn 18. We recommend that students and their parents discuss this decision to share information before the student turns 18. If you have further questions, please consult with an administrator.

General Student Expectations and Information

Mission Statement - West Kildonan Collegiate provides a safe, tolerant and academically supportive environment in which students, teachers, support staff and community work together. We respect students as unique individuals with different talents and aspirations for their roles in our community. WKC is committed to engagement and learning, diversity, multiculturalism, inclusion and leadership. We strive to develop in our students the sense of self-worth, social obligation and morality needed to become contributing members of our society.

- Students are to be respectful of all people and property.
- Students are to dress appropriately.
- All visitors must report to the office. For the safety of all students and staff, students are not to have friends, not registered at WKC, visit them at the school without prior permission.
- Cellular phones and personal music devices: be respectful of others in public spaces. Turn off or silence your devices during classes and activities.
- To encourage healthy lifestyle choices, the West K Café is open during school hours and serves a variety of healthy food choices. **West Kildonan Collegiate is a smoke/vape free school and there will be no smoking or vaping anywhere on school property.**
- **Possession, use and being under the influence of drugs and alcohol during school activities on or off-school property is not acceptable.** Students under the influence of alcohol or drugs during school programs, events and activities could result in school suspension, police involvement and a requirement to attend Addictions' Foundation Substance Abuse meetings as a condition of return to school.
- **Consistent attendance in classes is essential to learning and success in school.** Please notify the office if your child is absent, you may leave a message on the 24-hour voicemail at 204-339-6959.
- If an unexcused absence occurs in a class for a student, *School Messenger*, an attendance monitoring system, will phone/email your household automatically in the evening.
- **Parent Connect** is a website that allows parents access to their children's school information. It is a username and password protected site that provides parents with up-to-date attendance records, student's schedules and grades. Parents/guardians are encouraged to access Parent Connect. Parent Connect is accessible through the school website; you must provide the school with your email address. Please contact the school office for further information regarding the use of this website at 204-339-6959.

Honouring Excellence at West Kildonan Collegiate

At our annual fall **Evening of Excellence**, we honour and celebrate students who have received a cumulative average of 80% or higher based on all of their compulsory and elective courses as well as students specially nominated for exceptional work in one or more of their classes. All of these honoured students receive a West Kildonan Collegiate *Certificate of Excellence* as part of this school and family celebration.

Student Support Services

Resource/Learning Support Program

The resource/learning support team works at all grade levels to support appropriate academic programming for all students and to ensure that inclusion is at the core of classroom and school life.

- This involves working collaboratively with classroom teachers and educational assistants to help differentiate instruction for diverse learners.
- The team helps to modify and individualize student programming when necessary, as well as to provide appropriate accommodations and adaptations to support particular student needs. In supporting the needs of learners, this happens in consultation with other professionals.
- The learning support team also works closely with families to ensure a successful transition to adulthood for students with special needs.

Counselling and Student Services

School Counsellors at West Kildonan Collegiate work with students across all grades in a team-based model that optimizes our ability to respond to students' needs. Listed below are some of the things we do:

- Promote positive mental health practices and perspectives
- Help students develop strategies to cope with stresses (a critical life skill)
- Help with academic and future planning – post-secondary education, career thinking
- Organize and deliver educational programming at each grade level that supports emotional and social well-being
- Help students and their families with referrals to outside supports when specialized, intensive counselling is appropriate (depression, anxiety)
- Support new and graduating students with their transition into and out of high school
- Collaborate with other professionals to support/advocate for students (teachers, psychologists, learning support, community resource officers, social workers)

Educational and Clinical Support Services (ECSS)

- Offers the services of a psychologist, social worker and speech therapist

High School Graduation Requirements and Course Descriptions

To graduate from high school, students require a minimum of 30 credits. Manitoba Education requires that all students take all courses in compulsory subject areas. Students must also take options.

There are set compulsory credits that all students must take. The remaining credits are optional and taken from a wide range of course choices.

Grade 9		Grade 10		Grade 11		Grade 12	
Compulsory Courses		Compulsory Courses		Compulsory Courses		Compulsory Courses	
English Language Arts	ELA10F	English Language Arts	ELA20F	English Language Arts	ELA30S	English Language Arts	ELA40S
Mathematics	MAT10F	Essential Mathematics	EMA20S	Essential Mathematics	EMA30S	Essential Mathematics	EMA40S
Science	SCI10F	Intro to Applied & Pre-Cal		Pre-Calculus Math	CAL30S	Pre-Calculus Math	CAL40S
Social Studies	SST10F	Mathematics	APC20S	Applied Math	APP30S	Applied Math	APP40S
Physical Education	PED10F	Geography	GEO20F	History	HIS30F	Physical Education	PED40F
Physical Education (hockey academy)	PEH10F	Science	SCI20F	Physical Educ/ Active Liv.	PED30F	Physical Educ./Hockey	PEH40F
		Physical Educ./Health	PED20F	Physical Educ/ Weight Tr.	PEW30F		
		Physical Educ./Health (hockey academy)	PEH20F	Physical Educ/Hockey	PEH30F		
Electives		Electives		Electives		Electives	
Art	ART15S	American History	AMH20G	Physics	PHY30S	Calculus & Advanced Mathematics	ADM40S
Dance	DAN15S	Astronomy	AST31G	Biology	BIO30S	Physics	PHY40S
Drama	DRA15S	French	FRE20F	Chemistry	CHE30S	Biology	BIO40S
French	FRE10F	Art	ART20S	Astronomy	AST31G	Chemistry	CHE40S
Choir	CHO10S	Choir	CHO20S	French	FRE30S	Computer Science	CSC40S
Vocal Jazz	VJZ15S	Vocal Jazz	VJZ20S	Art	ART30S	Psychology	PSY40S
Concert Band	MBD10S	Concert Band	MBD20S	Dance	DAN30S	Cinema as a Witness to Modern History	HIS40S
Jazz Band	JRE10S	Jazz Band	JRE20S	Dramatic Arts/Playwriting	DRA30S	Global Issues	SST40S
Drafting	DFT15G	Dance	DAN20S	Choir	CHO30S	Current Topics in First Nations, Métis & Inuit Studies	TIN40S
Electronics	ELE15G	Dramatic Arts	DRA20S	Vocal Jazz	VJZ30S	Law	LAW40S
Family Studies	FST15F	Drafting Technology	DFT20G	Concert Band	MBD30S	English: Literary	ELT40S
Food & Nutrition	FNT15G	Robotics	ROB21G	Jazz Band	JRE30S	English: Transactional	ETR40S
Business Innovations	BUS10S	Intro to Engineering	ITE20G	Computer Science	CSC30S	French	FRE40S
Graphics	GRA15G	Electronics	ELE20G	Exploring Technology	TEC30S	Art	ART40S
Woodworking	WDS15G	Computer Science	CSC20S	Animation	ANI30S	Dance	DAN40S
Info & Comm Tech 1	IC115F	Digital Media	DMD20S	Textile Arts & Design	CLO30S	Drama/Playwriting	DRA40S
Info & Comm Tech 2	IC215F	Graphics	GRA20G	Family Studies	FST30S	Choir	CHO40S
Print Communications	PRC25S	Woodworking	WDS20G	Food & Nutrition	FNT30S	Vocal Jazz	VJZ40S
Physical Ed. Leadership	PEL15G	Food & Nutrition	FNT20G	Human Ecology	ECO30S	Concert Band	MBD40S
Weight Training	WTT11G	Family Studies	FST20S	Drafting	DFT30G	Jazz Band	JRE40S
		Textile Arts & Design	CLO20S	Electronics	ELE30G	Textile Arts & Design	CLO40S
		Human Ecology	ECO20S	Graphics	GRA30G	Family Studies	FST40S
		Personal Finance	FIN20S	Woodworking (Manuf)	WDS30G	Applied Family Studies	AFS40S
		Civic Leadership	CIV21G	Accounting Essentials	ACC30S	Food & Nutrition	FNT40S
				Exercise Science	EXS40S	Drafting (App. Tech)	DFT40S
				Physical Educ. Leadership	PEL31G	Electronics	ELE40G
				Career Development: Life/Work		Graphic Communication	GRA40S
				Building	LWB30S	Woodworking	WDS40S
				Environmental Studies	TIS30S	Accounting Systems	ACC40S
						Career Development: Life/Work	
						Transitioning	LWT40S
						Environmental Studies	TIS40S

Individual Student Course Profile

The chart below is a graphic organizer to help students map and organize their progress through high school.

Compulsory Courses: (Necessary for Provincial High School Diploma)

GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Course	Mark	Course	Mark	Course	Mark	Course	Mark
English:		English:		English:		English:	
Math:		Math:		Math:		Math:	
Phys. Ed.:		Phys. Ed.:		Phys. Ed.:		Phys. Ed.:	
Soc. St:		Geography:		History:			
Science:		Science:					

Elective Courses:

GRADE 9 electives		GRADE 10 electives		GRADE 11 electives <small>min. 1 elective credit required</small>		GRADE 12 electives <small>min. 2 elective credits required</small>	
Grade 9 Total Credits		Grade 10 Total Credits		Grade 11 Total Credits		Grade 12 Total Credits	

Total Credits: _____

Minimum of **30** credits required for provincial high school diploma
 Students must have at least 1 grade 11 option and 2 grade 12 options for graduation

Course Descriptions

ENGLISH

English Language Arts is a required subject in each year of high school. Students develop and practice six communication skills: listening, speaking, reading, writing, viewing and representing. Indigenous perspectives, literature and texts integrate into the English curriculum.

Grade 9 ENGLISH LANGUAGE ARTS 1 Credit ELA10F

The grade 9 program explores personal thoughts and perspectives while developing student competence in the six communication skills: reading, writing, speaking, listening, viewing and representing. It provides opportunities for students to study a variety of forms and genres and to develop content and organizing ideas. Students participate in small and large group discussion, public speaking, narrative writing, essay writing as well as various forms of creative writing. Included in the grade 9 English program is the component “reconcile-action” to respond to the spirit of *Truth and Reconciliation* in our relationship with Indigenous peoples.

Grade 10 ENGLISH LANGUAGE ARTS 1 Credit ELA20F

Students will continue to explore oral, written and visual texts in order to develop competence in the six communication strands. Students will show increased independence in selecting and analyzing texts as they learn to think critically, solve problems and make informed decisions. Students will expand their study of literary elements and continue to apply various stylistic devices in writing and speaking. Students will engage in more active discussion and debate in order to clarify and explore perspectives.

Grade 11 ENGLISH LANGUAGE ARTS COMPREHENSIVE FOCUS 1 Credit ELA30S

Students will continue to develop language and literacy skills through the six language arts strands. Furthermore, students will understand and appreciate language in order to use it competently and confidently in a variety of situations for communication, personal satisfaction and learning. Students will refine research skills and learn to evaluate sources for accuracy and relevance. There is an equal emphasis on language exploration and development for both practical and creative purposes.

Grade 12 ENGLISH LANGUAGE ARTS COMPREHENSIVE FOCUS 1 Credit ELA40S

There is an equal emphasis on the transactional and literary components of language. The focus of the course is to broaden the student’s ability and critical awareness of pragmatic, expressive and aesthetic language. Students will further develop their ability to respond thoughtfully and critically to the ideas found in various texts. Students will be able to create original pieces according to the writing variables (purpose, form, audience, and context) and will be able to explain the connections between the variables.

GRADE 12 ENGLISH LANGUAGE ARTS ELECTIVES

- **Some faculties at university and college require two 40S English credits**
- **See a school counsellor for information about whether you require one of these courses as a post-secondary prerequisite**
- **consult your English teacher about which elective may be the best choice for you**

Grade 12 ENGLISH LANGUAGE AND LITERARY FORMS 1 Credit ELT40S

This writing-intensive course exposes students to literature as the art form of language; it is ideal for lovers of poetry, drama and other influential works of literature. From the heights of human kindness to the depths of evil, students will experience the range of emotions that shape the human condition. Students will find themselves transported to worlds filled with heroes, villains and tales of adventure. Literary Forms is highly recommended for students who are interested in continuing literature studies at the post-secondary level

Grade 12 ENGLISH LANGUAGE AND TRANSACTIONAL FORMS 1 Credit ETR40S

Transactional English concentrates on language that informs, explains, clarifies, instructs and persuades. This elective emphasizes purposes and forms of communication that are pragmatic in nature. Students learn to process oral, visual and written information critically and efficiently. Students who have post-secondary plans related to fields in business, science, law and journalism, for example, will benefit from choosing this elective.

Grade 12 ELA: Comprehensive Focus and any one elective English course are eligible for admission and entrance scholarships at both University of Manitoba and Winnipeg.

MATHEMATICS

Grade 9 MATHEMATICS 1 Credit MAT10F

Mathematics in grade 9 focuses on four main strands including: numbers, patterns and relations, space and shape, as well as statistics and probability. Students will develop skills related to communication, mental mathematics and estimation, problem-solving, reasoning, technology and visualization. Students will engage in algebra-related competencies.

Starting at grade 10, the mathematics program divides into two different streams: essential mathematics and introduction to applied & pre-calculus mathematics. Each stream has different approaches to instruction and different emphasis on curriculum content. The two-stream system provides students with a mathematics program that suits their needs and abilities.

Grade 10 ESSENTIAL MATHEMATICS 1 Credit EMA20S

The essential mathematics course emphasizes consumer applications, problem-solving, decision-making and spatial sense. Students will focus on mathematical concepts and skills encountered in everyday life in a technological society. Essential Mathematics 20S is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields.

Grade 10 INTRO TO APPLIED & PRE-CALCULUS MATHEMATICS 1 Credit APC20S

Introduction to Applied and Pre-Calculus Mathematics 20S is for students considering eventual post-secondary studies specifically in a math or science-related program. The components of the curriculum are both context-driven and algebraic in nature. This course will provide students with abstract mathematical understanding and critical-thinking skills and is a necessary foundation for success in physics and chemistry courses. The course comprises a high-level study of abstract and theoretical mathematics in which students should expect a significant amount of daily work. A grade of 70% and higher in MAT10F is recommended.

In grade 11 and 12, students are able to choose courses from three mathematics streams: essential mathematics, applied mathematics and pre-calculus mathematics.

Grade 11 ESSENTIAL MATHEMATICS 1 Credit EMA30S

Essential Mathematics 30S is about mathematical concepts and skills encountered in everyday life in a technological society. Pragmatic in nature, with an emphasis on using math as a tool, the course builds on the knowledge and skills of Essential Mathematics 20S and provides a foundation for topics studied in Essential Mathematics 40S.

Grade 11 PRE-CALCULUS MATHEMATICS 1 Credit CAL30S

Pre-calculus Mathematics 30S is a course designed for students who intend future studies in calculus and related mathematics or who require grade 12 pre-calculus for entry into certain post-secondary programs. It builds on the topics studied in Introduction to Applied and Pre-Calculus Mathematics 20S and is foundational to the study of physics and chemistry. The course is abstract in nature and is a high-level study of theoretical mathematics in which students should expect a significant amount of daily work. **A grade of 70% or higher in APC20S is recommended.**

Grade 11 APPLIED MATHEMATICS 1 Credit APP30S

Grade 11 Applied Mathematics (30S) is for students considering post-secondary studies who 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. **A grade of 70% or higher in APP30S is recommended.**

Grade 12 ESSENTIAL MATHEMATICS 1 Credit EMA40S

The course is pragmatic in nature and emphasizes mathematical concepts and skills encountered in everyday life in a technological society. Essential Mathematics 30S fulfills both high school graduation requirements and university entrance requirements in many programs (excluding mathematics and science-related programs).

Grade 12 PRE-CALCULUS MATH 1 Credit CAL40S

Pre-Calculus Mathematics 40S is designed for students who require it for entry into certain post-secondary programs (mathematics and science-related). It builds on the topics studied in grade 11 pre-calculus mathematics, provides background knowledge and skills for the study of calculus in post-secondary programs and is foundational to the study of physics and chemistry. The course comprises a high-level study of abstract and theoretical mathematics in which students should expect a significant amount of daily work. **A grade of 70% or higher in CAL30S is recommended.**

Grade 12 APPLIED MATHEMATICS 1 Credit APP40S

Grade 12 Applied Mathematics (40S) is for students considering post-secondary studies who 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. **A grade of 70% or higher in APP30S is recommended.**

Grade 12 INTRODUCTION TO CALCULUS AND ADVANCED MATHEMATICS 1 Credit ADM40S

Recommended: minimum grade of 70% in Grade 12 Pre-calculus 40S

This is a highly recommended course for students who show an aptitude or a strong interest in mathematics and plan to study further mathematics at the post-secondary level. The course touches on most topics covered in introductory calculus, statistics and linear algebra at the university level but with a less theoretical approach. Although not required for university mathematics studies in Manitoba, the course is an excellent bridge between high school and university mathematics and may be required in other provinces.

Pre-calculus and applied mathematics courses are not required for *general entrance* to University of Winnipeg or University of Manitoba but specific programs may require these courses as prerequisites.

Essential math does not meet *entrance scholarship* criteria at University of Manitoba but it does at University of Winnipeg.

SCIENCE

Grade 9 SCIENCE 1 Credit SCI10F

This course is compulsory and structured to help create scientifically literate students. Content areas engage students in scientific inquiry, solving problems and making decisions. Content areas: reproduction, atoms and elements, nature of electricity and exploring the universe. All units include with science investigations.

Grade 10 SCIENCE 1 Credit SCI20F

A compulsory course with goals and objectives much the same as Science 10F, Science 20F deals with ecosystems, chemistry in action, physics in motion and weather dynamics. Laboratory work will require appropriate write-ups and discussions.

Grade 11 BIOLOGY 1 Credit BIO30S

The human body is a fascinating and vast network of systems that allows us to be the complex species we are. Students will explore their own health and wellness as they learn about the organ systems and ways to sustain them. Come learn the mysteries behind why our heart beats 100,000 times each day, how neurons transmit signals at 100m/s and the importance of producing roughly 1.7 litres of saliva each day! This course is ideal for students who plan to continue the study of biology or health related careers beyond high school. It is also an ideal choice for those who have a desire to learn all about the functioning of the human body. A fetal pig dissection (online dissection available) will add to our understanding of the interactions of organ systems. Topics include cells and homeostasis, nutrition & wellness, chemistry of life, digestion, circulatory & respiratory systems, excretion, brain & nervous system, blood & immunity and reproduction.

Grade 12 BIOLOGY 1 Credit BIO40S **Grade 11 biology not a prerequisite**

Planet Earth has millions of species for us to discover. Our planet's biodiversity is of great beauty and complexity that has long captured our imaginations. Students investigate the huge array of animals that co-exist alongside our own species. Find out how viruses such as H1N1, Ebola and West Nile infect humans. Explore bacteria, the good, the bad and the ugly! Through the eyes of evolutionary theory, we will also look at biological inheritance and the importance that DNA in our everyday lives and in the medical profession. Labs and dissections (online dissection available) will help in understanding the similarities and differences in the vastness of biodiversity seen in this course. Topics include kingdoms of life (bacteria, protists, fungi, plants and animals), DNA & genetic inheritance, mechanisms of genetic inheritance and evolutionary theory.

Grade 11 ENVIRONMENTAL STUDIES 1 Credit TIS30S

Environmental science focuses on the relationships between the environment and human health & wellness within our society. Students gain skills in climate change action, conservation of biodiversity, water quality and environment regeneration and explore design, policy, cultural and legal aspects surrounding environmental issues. Students gain valuable environmental leadership skills in our community and prepare for a wide variety of careers in the 21st century. Students will develop expertise in sustainable living, action research and sustainable action projects. There will be opportunities to attend eco-events and participate in hands-on projects to build their capacity as environmental leaders. Portions of this course will take place outdoors.

Grade 12 ENVIRONMENTAL STUDIES**1 Credit TIS40S**

Grade 12 Environmental studies is designed to be a more in-depth continuation of grade 11 environmental studies and allows students to continue to build their leadership skills in helping the environment. Environmental science focuses on the relationships between the environment and human health & wellness within our society. Students gain skills in climate change action, conservation of biodiversity, water quality and environmental regeneration and explore design, policy, cultural and legal aspects surrounding environmental issues. Students gain valuable environmental leadership skills in our community and prepare for a wide variety of careers in the 21st century. Students will develop expertise in sustainable living, action research and sustainable action projects. There will be opportunities to attend eco-events and participate in hands-on projects to build their capacity as environmental leaders. Portions of this course will take place outdoors.

Grade 11 CHEMISTRY**1 Credit CHE30S****Prerequisite: Science 20F and Introduction to Applied & Pre-Calculus Math 20S**

Grade 11 chemistry focuses on using real-world examples to teach the fundamentals and language of chemistry. Students use symbols, equations and pictures as part of learning chemistry literacy. Students learn how the particles that make up our world interact to create the phenomena we see every day. Topics include understanding the periodic table, writing and balancing chemical equations, the mathematics behind chemical reactions, as well as solution, gas and organic chemistry.

Grade 12 CHEMISTRY**1 Credit CHE40S****Prerequisite: Chemistry 30S and Pre-Calculus 30S**

Chemistry 40S focuses on the following units: atomic structure, reaction rates, equilibrium, acids & bases and redox reactions. Through demonstrations, projects, laboratory activities and computer simulations, the course extends knowledge, skills and concepts discussed in previous science courses (Chemistry 30S and Science 20F). Students completing Chemistry 40S are able to pursue chemistry at a post-secondary level.

Grade 11 PHYSICS**1 Credit PHY30S****Prerequisite: Introduction to Applied & Pre-Calculus Math 20S**

Physics is the study of relationships and behaviors of the physical world around us. The study of physics will sustain and develop a student's curiosity and understanding of motion, as well as investigate the cause and effects of objects in motion. As students study a range of topics through various sub-disciplines of physics, they will build on their understanding of the fundamental physical laws that govern our world and the symbiotic relationship between math and science. Topics include kinematics, dynamics, waves and the nature of light.

Grade 12 PHYSICS**1 Credit PHY40S****Prerequisites: Physics 30S and Pre-Calculus 30S**

“The most incomprehensible thing about the world is that it is comprehensible.” – Albert Einstein

Students in physics are encouraged to think critically, hone problem-solving skills and communicate ideas within the context of physics. Topics in Physics 40S expand on the Physics 30S curriculum.

Topics include mechanics, impulse momentum & energy, electricity and electromagnetism.

Grade 11 ASTRONOMY 31G

1 Credit AST31G

The astronomy course takes an in-depth look at the scientific concepts and principles governing our universe. Students who take this course will learn about astronomical observation, the solar system, constellations, nebulae, star clusters, galaxies and much more. The course is primarily project based, and relies heavily on the use of digital technology to help students gain a more complete understanding of our universe. This course builds on topics introduced in the *Exploring the Universe* module of the science 10F course and is available to all grade 10, 11, and 12 students.

Grade 12 PSYCHOLOGY 40S

1 Credit PSY40S

Psychology is a social science that involves the scientific study of behavior and mental processes. It uses scientific method to discover ways of understanding the complexities of human thoughts and behavior, as well as differences among people.

Grade 12 biology, chemistry and physics are eligible for admission and entrance scholarships at both University of Manitoba and University of Winnipeg.

SOCIAL STUDIES

Grade 9 SOCIAL STUDIES 1 Credit SST10F

In the course, **Canada in the Contemporary World**, students study various aspects of Canadian society as well as our relationship with the rest of the world. Major themes in the course include diversity and pluralism in Canada (including local, historical and contemporary Indigenous events), democracy and governance in Canada, Canada in the global context, and opportunities and challenges in Canada.

Grade 10 GEOGRAPHY 1 Credit GEO20F

In the course **Geographic Issues in the 21st Century** students study basic geographic literacy skills such as map analysis/interpretation and basic geographic concepts before moving onto a study of Canada, North America, and the world through the following themes: natural resources, food, industry and cities. Students will develop geographic skills, values, and knowledge to help them be better global citizens, manage ideas and information, as well as communicate and think critically.

Grade 10 AMERICAN HISTORY 1 Credit AMH20G

American History is a course meant to create a greater understanding of significant historical events that shaped the United States with an emphasis 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.

Grade 11 CANADIAN HISTORY 1 Credit HIS30F

The grade 11 **History of Canada** course has citizenship as a core concept and teaches students how to think like historians. Guided by essential questions, students are engaged in historical inquiry focusing on the history of Canada from pre-contact times to the modern era. Through this process, students are better able to understand Canadian History through the lens of six historical thinking concepts:

1. Continuity and Change
2. Cause and Consequence
3. Ethical Dimension
4. Historical Perspective
5. Evidence
6. Historical Significance

Grade 12 HISTORY: CINEMA AS A WITNESS TO MODERN HISTORY 1 Credit HIS40S

This course uses cinema as a teaching tool to help students go beyond the experience of film as entertainment or even as a source of information. Film is particularly well suited to the development of historical perspectives and empathy across differences in time and place – concepts that can be challenging for youth in our present-oriented world. Through film analysis and critique, students will develop an understanding of the events, people and developments that have shaped world history since the beginning of the 20th century. The course will emphasize writing, research and thinking skills intended to prepare students for university level courses.

Grade 12 GLOBAL ISSUES: CITIZENSHIP & SUSTAINABILITY

1 Credit SST40S

Students conduct inquiry into the social, political, environmental, and economic impact of contemporary and emerging issues in the world. Through their inquiry, students focus on questions of quality of life locally, nationally and globally. The Global Issues course encompasses 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 *take-action* project. This course involves discussion of ideas and issues on a daily basis.

Grade 12 CURRENT TOPICS IN FIRST NATIONS, MÉTIS AND INUIT STUDIES

1 Credit TIN40S

Current Topics in First Nations, Métis and Inuit Studies examines the histories, traditions, cultures, worldviews and contemporary issues of Indigenous peoples in Canada and worldwide. Students develop critical thinking, communication, analytical and inquiry skills that will enable them to better understand past and present realities of Indigenous peoples. Other topics include self-determination, self-government, and language and cultural reclamation, allowing students to better understand and work towards the post-colonial future envisioned by Indigenous peoples.

This course is beneficial for students considering future studies in education, sociology, social work, health care, social justice and political science for example.

Each of the grade 12 history courses (this does not include LAW40S) is eligible for admission and entrance scholarships at both University of Manitoba and University of Winnipeg.

Grade 12 LAW 40S

1 Credit LAW40S

Designed to familiarize students with the law and law courts systems in Canada, students will explore the Canadian legal system, the Charter of Rights and Freedoms, human rights, criminal law, civil law and family law. Students will have opportunities to view actual trials, ask questions of guest speakers from various backgrounds in the legal field and explore major issues facing the legal system today. There will be opportunities to complete research projects, engage in regular debates and share opinions on a variety of legal issues. This course will appeal to students interested in acquiring a working knowledge of the law as well as those interested in developing the skills required to pursue post-secondary studies in the humanities.

PHYSICAL EDUCATION AND HEALTH

Grade 9 PHYSICAL EDUCATION 1 Credit PED10F

Physical education is compulsory in grade 9, offering a wide variety of sports, activities, and lifetime pursuits throughout both semesters. Health education will include topics such as fitness, nutrition, smoking/tobacco awareness, and sexual education.

Grade 9 PHYSICAL EDUCATION (Hockey Academy) 1 Credit PEH10F

Students who are interested in hockey may choose to take physical education that includes a hockey focus. On-Ice sessions will further develop individual hockey skills: skating (edgework), stickhandling, shooting, and agility. In class, we will focus on health curriculum as well as hockey related topics. Full equipment that meets Hockey Canada standards is required.

****Equipment drop off and pick up is required for each class***

Grade 9 PHYSICAL EDUCATION LEADERSHIP .5 Credit PEL15G

This is primarily a classroom-based course with the focus on leadership theory, skills, coaching and personal development. Students will explore what is involved in leadership styles, teamwork building/strategies, organization, volunteerism/philanthropy and outdoor education experiences. As part of course requirements students will develop presentations about themselves, a leader who they respect, and an original game that they will teach to the class in the gym and/or outdoors. Having strong abilities to work with others, participate actively in the course (classroom, gym and outdoor environments), and the willingness to volunteer for school and/or community based activities are recommended

Grade 9 WEIGHT TRAINING .5 Credit WTT11G

This course introduces students to the fundamentals of weight training including: fitness, safety, proper warm-up/cool-down exercises, flexibility, proper lifting technique and the use of machines/equipment. Students will develop a personal workout plan based on the course's guiding principles and their own individual physical development.

Grade 10 PHYSICAL EDUCATION 1 Credit PED20F

Physical Education 20F is compulsory in grade 10 and involves the pursuit of a wide variety of sport activities and lifetime pursuits. Health education will include topics such as CPR (heart saver), an understanding of drugs and alcohol and sexual education (responsible behaviour, conception control). All health units, including fitness training, are compulsory for obtaining credit in this course.

Grade 10 PHYSICAL EDUCATION (Hockey Academy) 1 Credit PEH20F

Students who are interested in hockey may choose to take physical education that includes a hockey focus. On-Ice sessions will further develop individual hockey skills: skating (edgework), stickhandling, shooting and agility. In class, we will focus on the health curriculum as well as hockey related topics. Full equipment that meets Hockey Canada standards is required.

****Equipment drop off and pick up is required for each class***

Grade 11 PHYSICAL EDUCATION (Active Healthy Living) 1 Credit PED30F

The course intends to help youth take greater ownership of their own physical fitness, encourage them to seek out activities that interest them, and engage in active lifestyles into their futures. Students will study topics related to fitness management, mental health, substance use and abuse prevention, and the social impact of sport. **The focus of this content will be on health and life long participation/fitness.**

Grade 11 PHYSICAL EDUCATION (Hockey Academy) 1 Credit PEH30F

Students who are interested in hockey may choose to take physical education that includes a hockey focus. On-ice sessions will further develop individual hockey skills: skating (edgework), stickhandling, shooting, and agility. The classroom component will focus on health curriculum as well as hockey related topics. Full equipment that meets Hockey Canada standards is required. ****Equipment drop off and pick up is required for each class***

Grade 11 PHYSICAL EDUCATION (Personal Health & Fitness) 1 Credit PEW30F

This full-credit course will allow students the opportunity to create a personal fitness plan while beginning to understand the fundamentals of fitness training. Topics and activities will include fitness management, nutrition, mental health, substance use and abuse prevention, yoga, fitness training, leadership, dance, and stress management. **There will be a balance of fitness room, gym time and classroom time allocated to this course.**

NOTE: All three courses above will consist of 50% in-class topics and 50% of a personal physical activity plan practicum. Students will be required to submit a personal fitness portfolio containing elements such as a fitness plan, physical activity log, or journal entries.

Parents/guardians will be required to review the student's physical activity plan and sign a Parent Declaration and Consent Form acknowledging their approval of the chosen activities and acceptance of the responsibility for risk management, safety, and supervision. Parents/guardians will also be required to verify the entries of the student's physical activity log through a sign-off procedure. Parents/guardians are to act in 'good conscience' for the sign-off procedure. It is everyone's responsibility to ensure that students are making choices to improve their own personal health and well-being for their future.

Grade 11 PHYSICAL EDUCATION LEADERSHIP 1 Credit PEL31G

Students study leadership in relation to physical education skills, coaching, athletic injuries, basic first aid, and C.P.R. (infant and child). There will be a strong emphasis on the administration of the intramural program and K.P.A.C. athletic events. Students will have opportunities to earn an additional community service credit (.5) for which students must obtain approval of the teacher.

Grade 11 EXERCISE SCIENCE 1 Credit EXS40S
Open to grade 11/12 students

The aim of this course is to introduce students to possible careers dealing with the physical and health education fields. Students will cover such topics as human anatomy and physiology (skeletal and muscular systems), fitness conditioning and program planning, taping and first aid, common sports injuries and basic treatment, as well as issues in sport (example: ethics, sport psychology, nutrition). There will be field trips, guest speakers and practical

components (on field and clinical experience) as part of the course. Volunteer hours may also be included as a part of the course outcomes.

Grade 12 PHYSICAL EDUCATION

1 Credit PED40F

This compulsory course, designed to help youth take greater ownership of their own physical fitness, will encourage them to seek out activities that interest them and engage them in future active lifestyles. Students will study topics related to fitness management, mental health, substance use and abuse prevention, and the social impact of sport. The focus of this content will be on health and personal planning. These topics will make up the core 50% in-class component of the course content. Students will be required to develop and implement the remaining 50% of the course on their own time in a personal physical activity plan as part of the physical activity practicum. Students study safety and risk management planning to minimize the associated risks of the activities they have chosen.

Grade 12 PHYSICAL EDUCATION (Hockey Academy)

1 Credit PEH40F

Students who are interested in hockey may choose to take physical education that includes a hockey focus. On-ice sessions will further develop individual hockey skills: skating (edgework), stickhandling, shooting, and agility. The classroom component will focus on health curriculum as well as hockey related topics. Full equipment that meets Hockey Canada standards is required. ****Equipment drop off and pick up is required for each class***

NOTE: As part of earning a credit for both courses above, 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 receive a complete or incomplete designation as a final grade.

Parents/guardians will be required to review the student's physical activity plan and sign a Parent Declaration and Consent Form acknowledging their approval of the chosen activities and acceptance of the responsibility for risk management, safety and supervision. Parents/guardians will also be required to verify the entries of the student's physical activity log through a sign-off procedure. Parents/guardians are to act in good conscience for the sign-off procedure. It is everyone's responsibility to ensure that students are making choices to improve their own personal health and well-being for their future.

INFORMATION TECHNOLOGY STUDIES

Information Technology Studies offers students the opportunity to build their expertise in this field and prepare for postsecondary studies in computer technology. Below is a breakdown of areas of focus:

Programming Focus

- Grade 9 courses: ICT 1 & 2
- Computer Science 20S
- Computer Science 30S
- Computer Science 40S

Multi-media/Software Focus - Computer graphics courses for those with artistic interests:

- Grade 9 courses: ICT 1 & 2
- Print Communication 25S
- Digital Media 20S
- Animation 30S
- Graphics 15G, 20G, 30G, 40S (see TAA section of handbook)

Computer Technician/Hardware Focus (Experiential Learning) - Interested in computer maintenance and upgrading?

- Grade 9 courses: ICT 1 & 2
- Exploring Technology 30S
- Electronics 15G, 20G, 30G, 40G (see TAA section of handbook)

Grade 9 APPLYING INFORMATION & COMMUNICATION TECHNOLOGY 1

.5 credit IC115F

In this project-oriented course, students will learn to set up proper presentation papers, use animation and graphics for subject assignment presentations, assess various forms of information, solve problems, analyze information and discuss ideas via electronic media. Students will also use and explore various web 2.0 tools such as blogs, wikis and cloud computing.

Grade 9 APPLYING INFORMATION & COMMUNICATION TECHNOLOGY 2

.5 credit IC215F

This course extends the knowledge and various skills built in ICT 115G. Students will design multimedia presentations using video and audio tools. Students, in studying spreadsheets, will learn to analyze information for audience suitability. Students may take one or both grade nine technology courses.

Grade 9 PRINT COMMUNICATIONS

.5 credit PRC25S

The purpose of this course is to provide students with the skills to plan and create documents for personal and business communications. Students will plan and produce standard documents, participate in document editing and reviewing, incorporate elements of good design and learn the use of appropriate language and tone.

Grade 10 DIGITAL MEDIA

1 Credit DMD20S

Students will be given the opportunity to examine and create traditional and non-traditional media products that combine print, video, animation, live audio, special effects, recorded- audio

and/or interactive components. This course develops students' voices through photography, animation, film, illustration, special effects and industry standard Adobe Suite CS3.

Grade 10 COMPUTER SCIENCE 1 Credit CSC20S

Computer Science 20S introduces students to the art of computer programming by exposing them to the principles and practices of programming. Introduced to students is the essential foundation of computer programming: basic code flow, loops, switches and functions. Students will practice and develop their programming skills through the creation of simple 2D and/or 3D video games using a variety of computer languages.

Grade 11 COMPUTER SCIENCE 1 Credit CSC30S

Computer Science 30S students will continue developing their programming skills through the design and creation of Windows applications, videogames and mobile phone applications.

Grade 11 EXPLORING TECHNOLOGY 1 Credit TEC30S

This course explores aspects of technology that includes PC troubleshooting and repair, operating systems, networks (Cisco) and security. Students engage in both hands-on and on-line learning.

Grade 11 ANIMATION 1 Credit ANI30S

Animation 30S will begin by providing students with skills and knowledge to create two- and three-dimensional animations. Students will learn about types of animation, working with audio, video and video editing by using industry standard software, the Adobe Master Suite.

Grade 12 COMPUTER SCIENCE 1 Credit CSC40S

Computer Science 40S is a project-based programming course. The course gives students opportunities to write programs and develop project management skills in a team-programming environment that closely reflects industry projects.

SEVEN OAKS TECH HUB

Seven Oaks School Division is pleased to offer a rich and authentic experience for grades 9-12 learners. The Tech Hub Program is an immersive partnership with Red River College, Wayfinders and New Media Manitoba that allows learners to situate themselves in college and industry, go deep into programming and design and pursue college and high school credits simultaneously.

While learning critical programming skills, learners engage in field trips and career exploration activities that help them think about plans after high school. Learners also get the chance to meet industry leaders and potential employers. Learners will 2-3 credits at each grade level.

Grade 9 and 10 learners meet after school twice per week and engage with RRC instructors and industry experts to learn basic programming skills, become familiar with specific new media platforms and design projects in conjunction with mentors in the community.

Grade 11 and 12 learners will be at Red River College and New Media Manitoba in the Exchange District on a daily basis.

already mentioned as well as talk/voice/speech design and the use of sound. Students who would like to write dialogue that becomes a scene or short play will have this opportunity.

Grade 12 DRAMATIC ARTS/PLAYWRITING 1 Credit DRA40S

Dramatic Arts 40S is a continuation of Dramatic Arts 30S. Students connect their experience of the previous two years with a growing knowledge of themselves and others and the elements of drama to communicate a personal dramatic statement. Students create original, collective creations that make use of all that the student has learned in both acting and the technical aspects of theatre.

Evaluation in all drama classes is based on commitment, a sense of responsibility, cooperation, participation in the creations of others, attitude and creativity.

Band

Grade 9 CONCERT BAND 1 Credit MBD10S

Concert band is a large performance ensemble that builds on skills developed in middle school band programs. Students are welcome to play all brass, woodwind and percussion instruments. Recommended is previous experience in concert band. Primary focus is on performance using a variety of methods and a wide repertoire. Students will also build musical and technical skills as individuals. Other topics studied are music theory, technique and listening skill development. Activities throughout the year may include concerts, community performances, festivals and a spring trip.

Grades 10/11/12 CONCERT BAND 1 Credit MBD20S/30S/40S
Prerequisite: successful completion of grade 9 concert band

This course continues to build the skills developed in Concert Band 10S. There will be a continuing emphasis on performance and individual musicianship. The group will continue to play a wide repertoire and will focus on technical and musical development. Activities planned for the year may include concerts, community performances, opportunities for solo/small ensemble performances, festivals and a spring trip.

Grade 9 JAZZ BAND 1 Credit JRE10S
Co-requisite: Concert Band 10S

Jazz Ensemble 10S is open to all students enrolled in Concert Band 10S. The jazz ensemble is a "big band" format that will cover a wide range of music. Students will be encouraged to develop technical and musical skill on their instruments. Other topics studied are jazz listening, theory and history as well as beginning improvisation. Activities planned for the year may include concerts, festivals (including the Brandon Jazz Festival), a spring trip, and community performances.

Grades 10/11/12 JAZZ BAND 1 Credit JRE20S/30S/40S
Co-requisite: Concert Band 20S/30S/40S

This course will continue to develop the skills gained in grade 9 jazz band. Further emphasis is on jazz and individual musicianship and students will continue to develop technically and musically. Activities planned for the year may include concerts, festivals (including the Brandon Jazz Festival), a spring trip, and community performances.

Choral

Grades 9/10/11/12 CHOIR

1 Credit CHO10S/20S/30S/40S

This course gives students of all singing abilities the opportunity to develop their vocal skills and encourage a love of singing. Pursued are styles that include classical, folk, gospel, contemporary and pop. Performance opportunities include school concerts, festivals and the spring tour. There is no pre-requisite, however, students who are unsuccessful in one level of choir will require teacher permission to join subsequent levels of choir.

Grades 9/10/11/12 CHAMBER CHOIR

1 Credit CHC10S/20S/30S/40S

Prerequisite: Previous choir experience or permission of instructor

This choir is for the student who enjoys challenging repertoire including singing in many languages. Students will continue to develop their skills while gaining vocal independence in a small ensemble setting. **Chamber choir is an auditioned ensemble with auditions taking place in the fall.** Performance opportunities include school concerts, festivals, community performances and the spring tour. As this choir rehearses before school and at lunch, students must be able to commit to these rehearsals times.

Grade 9 VOCAL JAZZ

1 Credit VJZ15S

Students must be enrolled in Choir 10S to participate in this course.

This is a vocal ensemble course open to all interested students. The focus of this course is vocal performance using a wide repertoire including jazz, pop, swing and traditional. Previous vocal experience is recommended but not necessary. Students will participate in a variety of activities including vocal music listening, solo singing, improvisation, singing as a group and developing vocal technique. Performance opportunities include school concerts, local festivals and the Brandon Jazz Festival.

Grades 10/11/12 VOCAL JAZZ

1 Credit VJZ20S/30S/40S

Prerequisite: successful completion of the previous vocal jazz level or permission of instructor. Students must take choir 20S/30S/40S to participate in this course.

Students will continue to develop the skills developed at earlier levels. More emphasis is on developing musical and technical skill as a group and as individuals. This is an auditioned ensemble with auditions taking place in the fall. Performance opportunities include school performances, local festivals and a trip to the Brandon Jazz Festival. As this choir rehearses before school/at lunch/after school, students must commit to these rehearsal times. Vocal jazz is an auditioned ensemble with auditions occurring in the fall.

Dance

Grade 9 DANCE

1 Credit DAN15S

Students will develop introductory skills and techniques, exploring dance as an art form and means of self-expression as well as to develop creativity, self-discipline and cooperation. Students will experience a range of dance disciplines with an emphasis on jazz and hip-hop. Performance being an essential element of all dance classes, students can expect to participate in an end-of-semester dance exhibition.

Grade 10 DANCE

1 Credit DAN20S

Students will develop dance techniques and skills in jazz, lyrical, ballet and hip-hop, focusing on technical development and creative expression. Students will learn about the process of creating choreography and movement that lead to live performances.

Performance being an essential element of all dance classes, students can expect to participate in an end-of-semester dance exhibition.

Grade 11/12 DANCE

1 Credit each DAN30S/40S

Grade 11 and 12 dance continues to build on skills and dance styles previously learned. There is an emphasis on proficient technical development and continued practice of dance styles and students create their own choreography through improvisation skills. Performance being an essential element of all dance classes, students can expect to participate in an end-of-semester dance exhibition.

All Grades ADVANCED PERFORMANCE DANCE

1 Credit APH10S/20S/30S/40S

An auditioned group, advanced performance dance is for students who enjoy challenging choreography and have previous performance experience. Auditions take place at the beginning of the school year. Performance opportunities include school events, local dance festivals/competitions and end-of-semester dance recitals. Rehearsals takes place at lunch and after school.

Grade 12 visual arts and one music 40S credit are eligible for admission and entrance scholarships at both University of Manitoba and University of Winnipeg.

FRENCH

The objective of the basic French program is to develop in students:

- a good foundation in French from which to pursue fluency
- a chance at becoming bilingual in future years
- an appreciation of other languages, diversity, cultures and communities

French is the language of classroom communication. French language knowledge and skills develop through themes and projects geared to the interests, maturity, and life experiences of the student. The course is for a student who belongs to the linguistic majority group (English) or whose family heritage is other than French and who is interested in keeping an open door to other languages. It is helpful for students studying French to invest in a French/English Dictionary as well as a French Bescherelle (verb book).

Grade 9 FRENCH 1 Credit FRE10F

Learn a second or third language using a communicative approach. Learn to apply French vocabulary and structures in authentic situations. The four language components are for practical use in our bilingual country and abroad: reading, writing, oral and listening skills. BIENVENUE!

Grade 10 FRENCH 1 Credit FRE20F

The basis of this program is oral and written communication. The course builds on skills in French 10G. Students continue to work at developing a language base with specific grammar structures and activities. The focus will be on oral communication. Evaluation is on projects and oral presentations.

Grade 11 FRENCH 1 Credit FRE30S

The program offers the students a variety of activities that promote language learning. The course offers students an opportunity to understand the meaning of different types of texts. The focus continues to be on communication. Students will come to place value on their own culture and that of others while developing confidence about using French to communicate their ideas and interests.

Grade 12 FRENCH 1 Credit FRE40S

The course offers students the opportunity to communicate ideas and thoughts orally and in written form. Students will be involved in discussions, activities and projects that reflect their prior learning. Evaluation is on students' written skills and oral presentations.

One language credit 40S (see university websites for a list of eligible language courses) is eligible for admission and entrance scholarships at both University of Manitoba and Winnipeg.

APPLIED COMMERCE

Grade 9 BUSINESS INNOVATIONS

1 Credit BUS10S

Business innovations is a course that will introduce students to the world of business. It will involve general background knowledge in the areas of economics, entrepreneurship, business, marketing, technology, and finance. Students will apply the concepts and strategies they learn to a variety of creative business projects including starting their own venture. Whether students are pursuing a career in business or just want to learn more about business in everyday life, this course provides a foundation.

Grade 10 PERSONAL FINANCE

1 Credit FIN20S

Personal finance focuses on developing financial literacy skills including the value of money, basic economics, budgeting, saving, financial institution services and investing. This is especially relevant to high school students since they are entering the workforce and considering future purchases that require financial planning such as buying a car, travelling or pursuing post-secondary education. Since financial literacy is a life skill, this course is a good option for all students.

Grade 11 ACCOUNTING ESSENTIALS

1 Credit ACC30S

Accounting Essentials 30S helps students gain an understanding of basic accounting. With an emphasis on accounting for a service business, students will apply knowledge and skills to complete the stages of the accounting cycle. Accounting Essentials provides the fundamentals of accounting and is beneficial for any student who considers further studies in business and finance at the post-secondary level.

Grade 12 ACCOUNTING SYSTEMS

1 Credit ACC40S

Prerequisite: Accounting Essentials 30S

Accounting Systems 40S is an extension of Accounting Essentials 30S. With an emphasis on accounting for a merchandising business, students will apply their knowledge and skills to complete the stages of the accounting cycle. The course includes an introduction to financial analysis and corporate accounting and is useful in business, accounting careers or for everyday life.

CAREER DEVELOPMENT

Grade 11 CAREER DEVELOPMENT: Life/Work Building

1 Credit LWB30S

Career Development curricula connects school learning with workplace realities. Experiential learning helps students see connections between making decisions for life, work and post-secondary education/training and enhances self-confidence, self-knowledge, motivation and a sense of responsibility. Students will initially work in class to develop career tools and make plans for a work placement. The remainder of the course will be off-site in a job placement.

Grade 12 CAREER DEVELOPMENT: Life/Work Transitioning

1 Credit LWT40S

Career Development curricula connects school learning with workplace realities. Experiential learning helps students see connections between making decisions for life, work and post-secondary education/training and enhances self-confidence, self-knowledge, motivation and a sense of responsibility. Students will initially work in class to develop career tools and make plans for a work placement. The remainder of the course will be off-site in a job placement.

INDIGENOUS SOCIAL ENTREPRENEURSHIP PROGRAMME (ISEP)

Red River College, through the School of Indigenous Education and Seven Oaks School Division have identified a need to engage Indigenous learners in entrepreneurship, social enterprise and design thinking. There is a strong desire to engage learners at the secondary level in the concept of entrepreneurship to teach related literacy and numeracy skills and create seamless pathways into post-secondary studies.

Grade 11 and 12 learners have opportunities to take classes at Red River College, work with mentors and design their own enterprises that have meaning to them and their communities.

TECHNOLOGY AND APPLIED ARTS

Drafting

Grade 9 DRAFTING .5 Credit DFT15G

Every building entered, every product used, everything from a simple bottle opener to the space shuttle began as a drawing on a drafting table. Courses in drafting technology can lead to careers in architecture, interior design, mechanics, electronics, illustration and aeronautics.

Grade 10 DRAFTING DESIGN TECHNOLOGY 1 Credit DFT20G

This is an introductory course emphasizing hands-on experience. It is for students to develop basic drafting skills. Along with exploring skills, students are exposed to the world of CAD (computer aided drafting), now the industry standard. The program will offer experience in the following areas: basic tool usage, geometric applications, sketching, dimensioning, multi-view pictorial drawings, and CAD applications.

Grade 11 PRODUCT MANUFACTURING & ARCHITECTURAL DESIGN 1 Credit DFT30G

Prerequisite: Drafting Design Technology 20G

Course focus is to explore fundamental aspects of design and create updated or original products designed for every-day use. Students study basic architectural concepts and use CAD programs Autodesk Fusion 360 for product design and Autodesk Revit for architectural design.

Grade 12 DRAFTING: APPLIED TECHNOLOGY 1 Credit DFT40S
Prerequisite: Drafting 30G

Drafting 40G focuses on accepted drafting and design requirements such as material properties, codes and standards used in products and architecture. Students explore environmental factors such as climate, thermal comfort, daylighting and acoustics while considering sustainability and universal design principles. Required is an established knowledge of Autodesk Fusion 360 and Autodesk Revit Programs.

Woodworking

Grade 9 INTRODUCTION TO WOODWORKING .5 Credit WDS15G

Woodworking courses provide students with experiences in design, production planning and project construction. Students will learn the use of tools in a safe and proper manner.

Grade 10 WOODWORK TECHNOLOGY 1 Credit WDS20G

This is an intermediate level course with emphasis on design, planning and safety. These experiences involve the proper use of a variety of materials and hardware, along with experience in advanced power tool methods and use. Students will learn new technologies in woodworking such as CNC machining.

Grade 11 WOODWORKING - MANUFACTURING TECHNOLOGY 1 Credit WDS30G
Prerequisite: Woods 20G

This is an advanced course for students who have mastered basic skills in product design and planning and the safe use of hand and power tools. The emphasis is on self-development and independent work.

Grade 12 WOODWORKING – APPLIED TECHNOLOGY 1 Credit WDS40S
Prerequisite: Woods 30G

This course offers students more freedom to select and build a project of their own. This independent project will reflect the woodworking skill set accumulated in previous grades. Students must follow all safety rules.

Electronics

Grade 9 ELECTRONICS .5 Credit ELE15G

In this introduction to light industrial technology course, students will construct electronic projects beginning with circuit design and working through to troubleshooting and repair. We will identify, test, and install electronic components using electronic testing equipment.

Grade 10 ELECTRONICS 1 Credit ELE20G
No prerequisite required for this level

Electronics 20G will expose students to the basics of electricity and electronics and provide practice with modern test equipment. Using computers throughout the course, students will learn the fundamentals of AC and DC circuits, semiconductor operation, audio amplifiers and radio operation. Projects include a simple amplifier and a 40-watt stereo amplifier.

Grade 11 ELECTRONICS 1 Credit ELE30G
No prerequisite required for this course

Computer technology in today's society occurs through digital electronics. Lab and project work deal mainly with logic circuits and robotic operation. Students construct projects of their own design and interest (examples: electronic dice, digital logic probe and digital roulette wheel).

Grade 12 ELECTRONICS 1 Credit ELE40G

The electronic nature of our society is a theme at this level and students engage in independent and group project research and construction.

Robotics

Grade 10 ROBOTICS 1 Credit ROB21G

Students will construct robotics projects while learning scientific/engineering concepts such as hydraulics, gears, electricity and electronic components. Projects include a hydraulic arm, sumo robot, light-seeking robot and the "beetle bot". Students will also learn how to program robots using computer software and robotics kits.

Engineering

Grade 10 INTRODUCTION TO ENGINEERING 1 Credit ITE20G

This is a class for students with an interest and passion for the sciences and its application in solving real-world problems. This class explores and enhances students' problem solving skills and group collaboration skills through a series of hands-on activities. Students learn the practical application of math and the sciences to real world situations and the various fields of engineering through field-specific lessons and hands-on activities. Example projects include mousetrap cars, bridge building, vertical gardens, electrical generators, airfoil gliders, trebuchets and CO2 cars.

Graphic Arts

Grade 9 GRAPHIC COMMUNICATIONS TECHNOLOGY .5 Credit GRA15G

This course will teach students how to use Adobe Photoshop to perform different image-processing techniques. Students will learn to create effective web and print images as well as select, move, duplicate and resize images. Tools will create layer effects, use filters, paint, blend and modify colours. Digital SLR cameras will teach the basics of digital photography and composition.

Grade 10 GRAPHIC COMMUNICATIONS TECHNOLOGY 1 Credit GRA20G

Students learn the use of Adobe Illustrator to create logos and Adobe Photoshop to manipulate photographic and illustrated images. With an emphasis on print techniques, students learn about the elements and principles of design and digitally create and print their design projects.

Grade 11 GRAPHIC COMMUNICATIONS TECHNOLOGY 1 Credit GRA30G
Prerequisite: Graphics 20G

The course further examines elements and principles of design in students' work through Adobe InDesign and Adobe Dreamweaver. Skills that are developed include layout design, web design, photography basics and illustration. Students create aspects of the school's yearbook.

Grade 12 GRAPHIC COMMUNICATIONS TECHNOLOGY 1 Credit GRA40S
Prerequisite: Graphics 30S

Students examine design and message through graphic novels, comic books, comic strips, web-comics and character creation. Students learn to critically consider and apply elements and principles of design to communicate with clarity. Adobe Creative Suite (Photoshop, Illustrator, InDesign, Dreamweaver, Lightroom and Premiere) is used.

Family Studies

Grade 9 FAMILY STUDIES .5 Credit FST15F

Grade 9 family studies explores adolescent development from the perspective of the adolescent student. Topics include building skills and knowledge in developing positive relationships to enhance personal health and wellness within the context of their own family dynamics and the community in which they live.

Grade 10 FAMILY STUDIES 1 Credit FST20S

Grade 10 family studies focuses 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, effective care, and guidance of young children. The development of these skills and knowledge will enhance their overall well-being now as adolescents and in the future as parents and caregivers.

Grade 11 FAMILY STUDIES 1 Credit FST30S

Grade 11 family studies focuses on children and adolescents' relationships within their families. Students will learn about developmental needs, effective care, and positive interactions with children/adolescents. The skills and knowledge that students gain will provide them the opportunity to make informed decisions related to parenting, relationships, and families.

Grade 12 FAMILY STUDIES 1 Credit FST40S

Grade 12 family studies emphasizes 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.

Grade 12 APPLIED FAMILY STUDIES (Practicum-based) 1 Credit AFS40S

Applied Family Studies prepares students for a caregiving role with infants, toddlers and children through the study of child development. Students will experience a 40-hour practical experience with children where they will observe, guide behavior, ensure health and safety and participate in play-based learning experiences. Practicum opportunities may include licensed childcare facilities, nursery/kindergarten/grade 1 classrooms, head-start programs, infant and preschool programs. This course provides a foundation for further study within the field.

Food and Nutrition

Grade 9 FOOD AND NUTRITION .5 Credit FNT15G

Grade 9 classes focus on the individual and the relationships and influences that affect food choices. Students will examine the fundamentals of nutrition and learn how to apply it to their lives. Students will have opportunities to develop safe food handling and food preparation skills in a practical setting.

Grade 10 FOOD AND NUTRITION 1 Credit FNT20G

Grade 10 classes focus on the individual within the family unit and the influence that marketing and media have on family choices. Students will gain a strong understanding of the categories of nutrients, what bodies need to be healthy. The course provides opportunities for students to prepare food in a practical setting.

Grade 11 FOOD AND NUTRITION 1 Credit FNT30S

Grade 11 classes focus on the individual within the community of Canada, including the influence of physical regions on food choices and personal practices. Students will study food and production in Manitoba and examine food availability within our province. Students will analyze the nutritional composition of food and reflect on nutritional choices. This course provides opportunities for students to apply food preparation in a practical setting.

Grade 12 FOOD AND NUTRITION

1 Credit FNT40S

Grade 12 food and nutrition is a critical examination of the individual as a responsible citizen. Students will explore sustainability and ethical food practices within food production. Students will examine food security and investigate solutions to local and global food accessibility. This course will provide the opportunity for students to apply food preparation skills in a practical setting.

Textile Art and Designs

Grade 10/11/12 TEXTILE ARTS AND DESIGN

1 Credit CLO20S/30S/40S

Textile arts and design focuses on the knowledge and skills required to design and create textile products. Students will examine the areas of creative costuming, cultural fashion design and consumer practices that have an impact on individuals and communities. Some of the topics addressed throughout the course include product sustainability, issues within the textile industry, environmental design, social justice influences, and practices in the fashion industry.

Human Ecology

Grade 10/11 Human Ecology

1 Credit ECO20S/30S

Human Ecology is a life skills course that focuses on human development and relationships in the context of family and community. This course will encompass areas of study within family studies, food and nutrition, and textile arts and design. The course is relevant to further studies or work in education, health care, social work, child-care, dietary fields and design.

Civic Leadership

Grade 10 CIVIC LEADERSHIP

1 Credit CIV21G

Students will have opportunities to explore the meaning of citizenship by contributing to worthwhile causes and school events. Students will actively plan, organize and facilitate presentations for elementary and middle schools. The course intends to build confidence, improve public speaking and encourage responsibility to the community and school.

One credit of grade 12 family studies or food & nutrition or clothing, textile arts & design is eligible for entrance scholarships at both University of Manitoba and University of Winnipeg.

Additional Programs Offered

Beyond Grade 12 Now

Beyond Grade 12 Now is a unique opportunity for Seven Oaks high school students to earn university and college credits in partnership with University of Winnipeg, Université de Saint-Boniface, and Red River College while they are still in high school. These courses are free and considered dual credits; they count for high school graduation and university or college credit with our partner institutions.

Beyond Grade 12 Now courses are:

- following Canadian university or college curriculum
- taught by university or college accredited professors/instructors
- recognized by Canadian universities and colleges

When can students begin *Beyond Grade 12 Now* courses?

Students must have completed 22 high school credits (maintaining a 70% academic average) or have the permission of their school counselor to enroll. Students are generally in grade 12 when they take these courses.

Courses happen during both semesters:

First semester (September to January)

Second Semester (February to June)

Is there a cost for *Beyond Grade 12 Now* Courses?

Course enrolment is **free** (costs are covered by the Seven Oaks School Division) and represents a significant cost reduction to a student's post-secondary program.

Can I withdraw from the course if I find it is not for me?

University or college transcripts will not include courses from which students withdraw two weeks prior to the final exam.

Which courses do schools offer?

Courses include English, calculus, psychology, applied computer science, anatomy & physiology, accounting, drafting, broadcasting, psychologie and Français.

CALCULUS (CAL42U)

University of Winnipeg Course Code: MATH-1103(3) and MATH-1104(3)

(Pre-Requisite: Pre-Calculus Mathematics 40S with a minimum final mark of 60%)

This course covers calculus of a function of one variable. Topics covered include limits, continuity, differentiation and integration of elementary functions (algebraic, exponential, logarithmic, trigonometric and inverse trigonometric), indeterminate forms and l'Hospital's Rule, and improper integrals. Applications covered include maximization and minimization problems, related rates, curve sketching, area, volume, and arc length. A grade of at least C in this course is required to take MATH-2105(3) - Intermediate **Calculus I**. The material taught is equivalent to the combined material from the University of Winnipeg's MATH-1103 (3) Introduction to Calculus I and MATH-1104 (3) Introduction to Calculus II. Evaluation will include major unit tests and a three-hour final exam. Students take notes during lectures. Completion of all assignments before the next lecture is an expectation. Extra help will be available after each lecture.

ENGLISH (ELA42U)

University of Winnipeg Course Code: ENGL-1001/6

(Students registered will have completed ELA40S or ELT40S English in first semester with a 70% final)

English 17.1001 will be an extended exercise in critical thinking: questioning texts, ideologies, and our own reading practices. We study different genres of literature such as short fiction, drama, poetry and novels, applying a varying critical lens (such as Postmodernism and other literary theoretical frames) at each stage to analyze how the texts are doing the work that they set out to do. The goal of the course is to create a heightened critical awareness combined with an ability to express that awareness in thoughtful, powerful writing. A majority of class time will be discussion-based, with fewer professor lectures and more small group and class-based engagement with the texts at hand. An emphasis is on formal academic writing skills in anticipation of future work at a university level.

HUMAN ANATOMY & PHYSIOLOGY 1 (RRCHAP)

Red River College course code is HEAL-1006 equivalent University of Winnipeg course code for part 1 & 2 combined is ZOOL-1072(6)

This course is an introductory study of the structure and function of the human body. Examined is the gross and histological anatomy and physiology of each principal organ system. Stressed is the knowledge and use of correct terminology. Laboratory exercises support and enrich the theoretical content.

HUMAN ANATOMY & PHYSIOLOGY 2 (RRCHAP)

Red River College course code is HEAL-2070 equivalent University of Winnipeg course code for part 1 & 2 combined is ZOOL-1072(6)

This course builds on the previous course (HEAL-1006) and includes topics in circulation and immunity, respiration, absorption & excretion and reproduction & inheritance. Students learn unifying concepts of the relationship between structure and function, structural hierarchy and organ system integration. Laboratory experiences reinforce these topics and concepts. This course is a prerequisite for the nursing program and is a required course in para-medicine. It is beneficial for anyone interested in medicine or any medical field (including x-ray and ultrasound technicians).

APPLIED COMPUTER SCIENCE (ACS42U)

University of Winnipeg course code: ACS-1903/3

(CAL40S or APP40S in first semester is the pre-requisite)

This course introduces fundamental programming concepts using an object-oriented programming language. Topics to be covered include primitive data types and their manipulation, control structures, classes, objects and arrays. Computing systems and computers are vital to all industries, governments and academics. A foundational knowledge of computer science will be an asset for students in any area they choose to explore.

CO-OPERATIVE VOCATIONAL EDUCATION (C.V.E.)

Seven Oaks School Division offers a variety of incredibly innovative and dynamic Co-operative Vocational Education programs at Maples Collegiate, Collège Garden City Collegiate and West Kildonan Collegiate. If you are interested, please see one of our guidance counsellors for further information.

The following programs are for Seven Oaks School Division students starting in Grade 11.

- Introduction to Aviation Trades and Technology (CVEATT) (8 credits)
- Culinary Services (CVECUL) (8 credits)
- Hospitality Services (CVEHOS) (8 credits)
- Health Care Aide (CVEHCA) (8 credits)
- Introduction to Material Fabrication – Auto Industry (CVEMFA) (8 credits)
- Early Childhood Educator (CVEECE) (8 credits) offered at Maples/West Kildonan
- Performing Arts Production and Industry (8 credits)
- Plumbing and Pipe Trades (CVEPPT) (8 credits)
- Electrical Trades Technology (CVEELE) (8 credits)
- Refrigeration and Air Conditioning (CVERAC) (8 credits)
- Sustainable Energy (CVESST) (8 credits)
- Introduction to Building Trades (8 credits)

AVIATION TRADES & TECHNOLOGY (CVEATT) – MAPLES

The Co-operative Vocational Education (C.V.E.) Aviation Trades Program at Maples Collegiate introduces the students to the opportunities available in the aviation industry. Participants learn areas of Aircraft Maintenance Engineer (A.M.E.), Airframe Technician, Engine and Propeller Overhaul Technician. The 34-week program begins in September with a five week “in class” familiarization period. Students go to a training site four days a week to work alongside experts in their field and spend one day a week “theory” at Maples.

Successful completion of this portion of the course may allow the students to attend the Stevenson Aviation Technical Training Centre at Winnipeg International Airport. This will complete their first level apprenticeship to become a licensed A.M.E. Contacts made during this period may provide students with employment opportunities or students may choose to continue their education at a post-secondary institution.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. **Math (applied math or pre-calculus) and English mark of 70% at the 30S and/or 40S level.** The program begins in September of each year.

BUILDING TRADES (CVEBLD) - Seven Oaks Learning & Service Centre, 1985 Grassmere Rd.

A carpenter used to be a person whose job it was to build and repair wooden objects and structures. It has transformed into a person who coordinates, plans, assembles, builds, installs, repairs, and maintains many types of Residential, Commercial and Industrial buildings. Carpenters collaborate and work alongside many other trades during the construction process in order to meet the common goal of completing projects and working safely. Carpenters troubleshoot and repair buildings if affected by flooding, fire or any other damages. They must have the experience to remove potentially harmful affected materials and building components, as well as assessing the suitability of the existing structure for future use. Carpenters can specialize in a specific field of construction such as a general contractor, residential framer, roofer, window/door installer, flooring installer and many other positions within the trade.

A student who successfully completes the Building Trades program will leave the course trained in workplace health and safety while also gaining the skills to take on their own projects and even projects within their own home. Students can earn up to eight high school credits towards graduation from high school. As with all Seven Oaks CVE programs, it offers extensive work experience in the industry, and the in-class theory to back it up. Recent graduates may also apply for this program. The program is at the Carpentry Shop located in the Seven Oaks Agricultural Learning and Service Center at 1985 Grassmere Road.

If you have a passion for building, love working with your hands or have an interest in learning how to maintain a house (one of the most expensive purchases of your life), then Building Trades is the course for you. Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. The program begins in February of each year.

CULINARY SERVICES (CVECUL) – MAPLES

The Culinary Services Course is designed to give students on-the-job training in the Food Service Industry. It allows students the benefit of completing high school while gaining valuable out-of-school experience. This could include work in hotels, restaurants, and hospitality outlets.

The program begins in September and continues into May. Prior to starting work in a quality food service establishment, there is a three-week training period in a kitchen training facility. There, students use the tools and equipment of the industry. They learn about the nature of Food Services and employer expectations. The remaining 30 weeks are on the job. One day a week at Maples Collegiate or other kitchen training facilities. The other four days are hands-on experiences in a commercial kitchen. In the second term, students have some choice in the type of work experience in which they are involved.

The Canadian Academy of Travel and Tourism is an enrichment program offered to students registered in the Hospitality and the Culinary Co-operative Vocational Education programs. Seven Oaks School Division, in co-operation with the Manitoba Tourism Education Council (M.T.E.C.), offers the Canadian Academy of Travel and Tourism program. The Manitoba Tourism Education Council is the representative of the Canadian Tourism Human Resource Council and Maples Collegiate will offer students the opportunity to access professional standards and certification in a number of tourism-related occupations while completing high school. Students enrolled in this program will be eligible to certify for the Global Travel and Tourism Partnership.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. The program begins in September.

EARLY CHILDHOOD EDUCATOR (CVEECE) – MAPLES & WEST KILDONAN

A student who completes the Early Childhood Educator CVE program can work in a childcare center or continue with course work at Red River College leading to the Early Childhood Educator II (ECE II) or ECE III designations. Students will learn child development theory focused on infancy and toddlerhood. Through course work and job placement experience they will develop skills in providing health and safety, nurturing care and an environment within which young people can grow creatively, physically and intellectually. Students who complete this CVE program with an overall grade of 65% or greater can apply to enter directly to term two of the four term ECE program at Red River College (see RRC website).

Students can earn up to eight high school credits. The program is open to high school students as well as those who have already graduated or left school.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. The program begins in September and February of each year.

ELECTRICAL TRADES TECHNOLOGY (CVEELE) – IBEW/550 Notre Dame Ave.

An electrician plans, assembles, installs, repairs, tests and maintains electrical fixtures and systems that provide heat, light, power or control in residential, commercial and industrial buildings.

Electricians ensure that the electrical apparatus and systems people at home and in business depend on every day are safe and operate properly. Electricians also troubleshoot and repair or reinstall electrical systems when required. They must have the experience to safely remove electrical services and systems as well as assess the suitability of existing services for future use. Many electricians specialize in specific types of installations such as new home construction or in the commercial and industrial sectors in hospitals or factories.

A student who successfully completes the Electrical Trades program will receive Level 1 apprenticeship certification in the electrical trade and can seek employment in the industry. Some of the opportunities for apprenticeship and employment are:

- Electrical construction
- Industrial electrical maintenance
- Railway electrical maintenance
- Electrical utility companies (Hydro)
- Telephone and cable companies
- Aircraft manufacturing
- Bus manufacturing
- General building repairs
- Electrical product sales
- Alarm companies
- Appliance repair and service

Students can earn up to 8 high school credits towards graduation from high school and attain level 1 apprenticeship in electrical. Students 21 and under are eligible.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. ***Students must have a math mark of 70% (applied math, pre-calculus or physics at the 30S and/or 40S level).***

The program is in partnership with International Brotherhood of Electrical Workers (IBEW 2085) and held at the IBEW building, 550 Notre Dame Avenue. The program begins in February of each year.

HEALTH CARE AIDE (CVEHCA) – MAPLES

The Health Care Aide program provides students with on-the-job training. Students will acquire basic knowledge and skills required to assist in caring for patients of all ages in hospitals, nursing homes and the community. It allows students the benefit of gaining valuable out-of-school experience while they earn both their Red River College Health Care Aide Certificate and their high school diploma. Most students even have a position waiting for them upon graduation at one of the places they have trained.

The program begins in September and continues into May. Prior to starting work, there is a six-week training period in a simulated health care facility. The students become familiar with procedures, equipment, and routines used in the workplace. Students learn the nature of Health Care and employer expectations.

The remaining 28 weeks are in the workplace. Students spend one day per week in class and the other four days gaining hands-on experience in a health care facility. Students have an opportunity to train at four different facilities (nursing homes and hospitals).

On successful completion of the program, students receive the following certificates:

- Health Care Aide (Red River College)
- CPR (Cardio Pulmonary Resuscitation)
- CPI (Crisis Prevention Intervention)
- PIECES (dementia care)

This program introduces the student to career opportunities that await them within the health care field. If you have an interest in nursing, the sciences, or any other health-related profession such as ambulance attendant or unit clerk this program is an excellent start.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. The program begins in September of each year.

HOSPITALITY SERVICES (CVEHOS) – MAPLES

The hospitality services course provides students with training and experience for the hospitality and tourism industry.

The program begins in September and continues into May. Prior to starting work at a hotel, restaurant, or tourist attraction, students complete extensive training in human relations, the hospitality industry, and customer service. The remaining 30 weeks are on the job. Students return to the classroom weekly to receive instruction to complement work experience. They receive on-the-job training based on student goals and aspirations. Students may receive experience in as many as eight different areas. This course can lead to National Certification through the Manitoba Tourism Education Council.

The Canadian Academy of Travel and Tourism is an enrichment program offered to students registered in the Hospitality and the Culinary Co-operative Vocational Education programs. Seven Oaks School Division, in co-operation with the Manitoba Tourism Education Council (M.T.E.C.), offers the Canadian Academy of Travel and Tourism program. The Manitoba Tourism Education Council is the representative of the Canadian Tourism Human Resource Council and Maples Collegiate will offer students the opportunity to access professional standards and certification in a number of tourism related occupations while completing high school. Students enrolled in this program will be eligible to certify for the Global Travel and Tourism Partnership.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. **Students must have a math mark of 70% (applied math, pre-calculus or physics at the 30S and/or 40S level).** The program begins in September of each year.

MATERIAL FABRICATION – AUTOMOTIVE INDUSTRY (CVEMFA) – MAPLES

The Co-operative Vocational Education (C.V.E.) Material Fabrication Automotive Industry Program at Maples Collegiate introduces students to many opportunities available in the automotive trade. Whether one is painting in industrial areas or strictly automotive repairs, this program will offer the required experience. The program provides technical training and work experience in both the auto collision and automotive repair industry. The hands-on work experience will enable you to get that first job in the industry.

Students learn to the repair and replacement of automobile sheet metal including the preparation and painting of aircraft and automobiles. The course offers exposure to the latest in computerized laser-measuring equipment and state-of-the-art coat paint finishes. Material fabrication includes the refurbishment and restoration techniques used to repair vintage and classic automobiles. The workstations are located at some of the most prominent automotive dealerships and aircraft repair facilities throughout the city.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. The program begins in September each year.

PERFORMING ARTS PRODUCTION AND INDUSTRY (CVEPTA) – GARDEN CITY

With the opening of the new Seven Oaks Performing Arts Centre, we will launch the Performing Arts Production and Industry program in 2019. This course will work in cooperation with a multitude of arts organizations in the music, theatre and film industry. Students will be able to access the extensive network of talent in the Performing Arts industry here in Winnipeg's thriving arts and cultural community.

This program will immerse the student in a vocational experience in the production of Theatre, Film, Music and other arts-based events that require front of house and back stage supports. Students will work in internship positions focusing on areas such as sound, lighting and as stage technicians at concerts, plays and musical events. This will also include box office and events management training.

There is also a myriad of roles available in the film industry including a focus on areas such as lighting, camera, grip and sound technician departments. Production management and accounting skills are also aspects of the courses and placements throughout the year. This program will also provide a history of the performing arts with a focus on the development of motion pictures, music from the beginning of the recorded era, and a history of theatrical productions. In addition to this, the program will include an in-class skill acquisition in **the state-of-the-art Seven Oaks Performing Arts Centre** at Collège Garden City Collegiate.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. The program begins in September of each year.

PLUMBING AND PIPE TRADES (CVEPPT) – PITC/Pipe Industry Training Centre, 34 Higgins Ave.

A student who successfully completes the Plumbing and Pipe Trades CVE program may receive level one apprenticeship certification in plumbing. Students can seek employment as an apprentice

plumber, steam fitter, sprinkler and fire protection installer, gas fitter, pipeline or oilfield worker, welder, waste water technician, or HVAC tech. Plumbing and Pipe Trades graduates are typically employed by contractors, oilfield companies, plumbing shops, wholesale suppliers, and building maintenance contractors.

Students can earn up to nine high school credits, graduate from high school as well as attain level one apprenticeship certification in plumbing. The program is open to high school students as well as those who have already graduated or left school. The program will be held at the Plumber and Pipefitters (Local 254) building, 34 Higgins Avenue.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. The program begins in February each year.

REFRIGERATION AND AIR CONDITIONING (CVERAC) – PITC/Pipe Industry Training Centre, 34 Higgins Ave.

The Refrigeration and Air Conditioning Program provides a foundation for further post-secondary studies and apprenticeship in the field. The HVAC field is wide open for any age or gender. The course contains both theoretical and practical applications such as welding, soldering, and brazing applications related to HVAC.

Students will have training in heating/cooling, ventilation, control systems, refrigeration and air quality systems. Safety is a big part of the course and all related safety training to industry for the use and handling of refrigerants. Other safety related courses are part of the program to help enter the work force.

This program has eight credits to complete. Students could possibly enter an apprenticeship upon successful completion and gaining employment in the field. Graduates can seek employment in the following areas: Residential, commercial, and industrial technicians, maintenance work, parts and warehouse sales/distribution, tools and equipment sales and appliance repair/service.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. ***Students need a math mark of 70% (applied math, pre-calculus or physics at the 30S and/or 40S level).*** This program begins in February each year.

SUSTAINABLE ENERGY (CVESSE) – GARDEN CITY

The Sustainable Energy Program explores many areas of sustainable energy including wind, solar and biomass. Students receive eight credits in this program. It is great for students who have a passion for preserving the environment, working with their hands and exploring exciting careers.

Areas of study include:

- Theoretical and practical uses of clean energies
- New and innovative energies used throughout the world
- Proper tool uses and safety

You will learn about a variety of clean energies and sustainable bio production. You will gain practical experience and have the chance to network with local companies. The overall goal for this class is to learn about sustainable energies, incorporating sustainable practices into everyday life and prepare you for the workforce.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, math, and physical education are required for graduation. The program begins in February each year.

Power Mechanics and Automotive Technology Program

POWER MECHANICS 15G (PME15G)

This course involves basic mechanical skills needed in servicing gasoline-powered equipment. Students will learn safety skills needed to work in a repair shop. Students will work on projects involving various hand and power tools. Students use a small engine to develop a working knowledge of a basic four- stroke engine.

POWER MECHANICS 20S, 30S, 40S (PME20S, PME30S, PME40S)

The Power Mechanics Program provides the learner with a solid foundation for a safe and successful career in the automotive technology field. Industry standards promote career success. The Power Mechanics Vocational Program is equivalent to a level 1 Automotive Mechanic Apprenticeship Program. Upon successful completion of the three-year program, the learner receives a Manitoba Department of Education and Training Level 1 Automotive Mechanic Apprentice. (See also Power Mechanics Automotive Technology).

The program provides opportunities for skill development in (a) tool- and equipment-operation (b) basic and advanced automotive practices (c) diagnosis and service work and (d) shop organization and management. Throughout the three-year Power Mechanics Program, the students' time will be approximately 40% automotive theory and 60% working in the shop on various jobs.

Automotive Program Sections

Grade 10

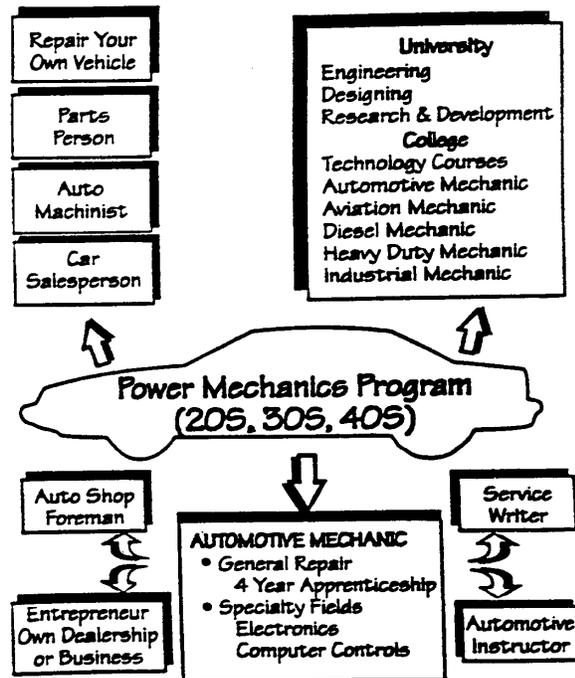
INT10S	Introduction to Power Mechanics 10S
FUN20S	Engine Fundamentals 20S
BSE20S	Basic Service 20S
Total = 3 credits	

Grade 11

BSY30S	Brake System 30S
CHA30S	Chassis System 30S
ERE30S	Engine Reconditioning 30S
Total = 3 credits	

Grade 12

ATR40S	Automatic Transmissions 40S
DTR30S	Vehicle Drive Train 30S
AEL40S	Advanced Automotive Electronics 40S
DIA40S	Vehicle Diagnosis and Corrections 40S
Total = 4 credits	



An automotive technician must possess the mechanical aptitude and skills necessary to operate complex testing equipment and diagnose trouble in mechanical and electrical components and assemblies. They must be willing to learn and continually update themselves to keep abreast of changing technological advances in Automotive Engineering. As you can see in the attached drawing, career opportunities in the automotive field are numerous and industry is always looking for new trainees. Power Mechanics will help you achieve this training.

P.M.E. COURSE REQUIREMENTS:

Students electing Power Mechanics must have completed Grade 9. The course is open to any student from Grade 10 to Grade 12. Students earn 10 credits in Power Mechanics and the remaining credits will be regular academic courses to complete high school graduation requirements.

Special Language Exam Option

Manitoba high school students may claim special credit for languages in which they are competent and which are not included in the regular high school program in accordance with the following guidelines.

1. One credit for **one language only** at each grade level to a maximum of four credits.
2. Languages eligible for special credit:
 - Curriculum-based languages: Hebrew, Italian, Latin, Spanish, Ukrainian, German, Portuguese, Filipino, Polish and American Sign Language.
 - Non-curriculum-based languages: Greek, Slavic, Laotian, Punjabi, Vietnamese, Native Languages, etc.

Other languages that have been written previously in Seven Oaks School Division, which in no way restricts credit for languages, not listed include: Arabic, Korean, Chinese, Russian, Croatian, Serbian, Slovenian, Hindi, Tagalog and Yiddish.

3. The fee is \$25.00.

Mature Student Program

The purpose of the **Mature Student Program** is to enable individuals who are at least 19 years of age, who have been away from school for a minimum of 6 months and who do not have a high school diploma, to graduate from high school. Students must earn eight (8) high school credits including:

- Grade 12 English language arts
- Grade 12 mathematics
- 2 additional Grade 12 credits
- 4 additional Grade 9 to Grade 12 credits

See the next two pages for information about adult education centres for students aged 18 and over who wish to continue their education.

AEC – ADULT EDUCATION CENTERS INC.

The Adult Education Centre is an adult-focused high school helping Manitobans age 19 and older to achieve their high school diplomas or upgrade their credits in order to move on to further education or better career prospects.

AEC, through funding from the Department of Manitoba Education and Training, offer adults the opportunity to take literacy and high school credit courses in a supportive classroom environment. There are NO registration fees.

Many of our students work toward achieving their Mature Student High School Diploma while others who have graduated are able to take courses they might need for post-secondary institutions or work. AEC staff understand the needs and pressures adults face coming back to school and strive to accommodate their students while providing a high standard of education.

AEC offers morning, afternoon and evening classes in a semester system, requiring attendance of two days per week. Learners are able to switch between morning and evening class in some courses. AEC also offers trimester courses that run Monday – Thursday but finish in a shorter time frame. Courses offered at AEC include:

- Basic Math & English
- Core Mathematics 31G
- Essentials Math 20, 30 & 40S
- Applied Math 40S
- Pre-Calculus Math 30S & 40S
- English 20F
- English Comprehensive 30S & 40S
- English 40S Transactional
- Applied Business Tech 40S
- Global Issues 40S
- Cinema as a Witness to Modern History 40S
- Psychology 40S
- Law 40S
- Biology 40S
- Chemistry 30S & 40S
- Physics 30S & 40S

One centre is located at 1240 Main Street at St John's Avenue, just north of Mountain, and is accessible by major bus routes. Feel free to contact us for more information at 204.953.0818 or aec@7oaks.org, or drop in Monday – Thursday 9a.m.-9p.m. or Friday 9a.m.-12p.m.

Another Centre is located at 950 Jefferson Avenue. Call 204.632.1716 for more information.

Extra Curricular Activities

Getting involved in school life will enhance your experiences and learning

GET INVOLVED: SPORTS		
Volleyball	Hockey	Football
Golf	Skiing	Badminton
Curling	Wrestling	Soccer
Cross Country and Track & Field	Lacrosse	Basketball
Rugby	Intramurals	Fishing
GET INVOLVED: CLUBS, COMMITTEES & ACTIVITIES		
Gay/Straight Alliance	Yearbook Committee	Debate League
Social Justice Committee	“SWAT” Students Working Against Tobacco	Stand Together & Grow (STAG) (Positive mental health & wellness group)
Graduation Committee	Zoology Club	Animé Club
Peer Tutoring	Indigenous Cultural Experiences	Chess/Games Clubs
GET INVOLVED: PERFORMING ARTS		
Drama/Musicals	Choir(s) Events	Concert Band Events
Jazz Band	Vocal Jazz	Dance Events

Post-Secondary Education

The following website help students and parents gather information about educational opportunities after high school graduation:

University of Winnipeg www.uwinnipeg.ca

Red River College www.rrc.ca

University of Manitoba www.umanitoba.ca

University of Brandon www.brandonu.ca

Apprenticeship Branch www.gov.mb.ca/tradecareers

Winnipeg Technical College www.wtc.mb.ca

- More information regarding education, career and financial planning is available through Counselling and Student Services.
- We recommend that students speak to counsellors about their post-high-school options and plans.

101 Ridgecrest Ave.
Winnipeg, MB R2V 4T6
204-339-6959

Twitter: wkc101

Instagram: west_kildonan_collegiate

Blog: <https://westkildonacollegiate.blog/>

Website: www.7oaks.org/school/westkildonan

