



# MAPLES COLLEGIATE

SEVEN OAKS SCHOOL DIVISION

## Course Book 2024-2025



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# WELCOME TO MAPLES COLLEGIATE

*Maples Collegiate is a caring and inclusive community that celebrates diversity. Students are encouraged to strive for personal excellence through meaningful learning opportunities. Our goal is to guide students to be lifelong learners who will use their experiences to make a positive contribution to the broader community.*



We welcome you to Maples Collegiate! This handbook will help you to become familiar with the various programs and course offerings, guide you through the registration process, and help you plan for post-secondary learning opportunities. An on-line version is available by going to our website: [www.7oaks.org/school/maples](http://www.7oaks.org/school/maples).

Maples Collegiate is a school of approximately 1700 students in grades 9-12. As one of the largest high schools in Manitoba, we are able to offer a wide variety of programs and activities to challenge and support students with different interests, strengths, and goals.

At Maples, you can earn a diploma in the general academic program, Vocational Power Mechanics, or English as an Additional Language. Graduating with a dual diploma is also an option that many students take advantage of by completing one of several Career Ready (CR) programs. For students interested in pursuing a college or university education, "Beyond Grade 12 Now" allows motivated grade 12 students an opportunity to earn dual credits in a number of different courses that are offered in collaboration with the University of Winnipeg at no cost!

Relationships are important to everyone at Maples! You will be assigned a Teacher Advisor (T.A.) who will support and assist you during your years at Maples. Your Teacher Advisor will guide you through the registration process each year and assist you in developing a program that best suits your needs, interests, and goals. Guidance counsellors and school administrators are also available to help explain program choices and provide ongoing support to students.

Learning is not confined to the classroom at Maples Collegiate. The numerous extracurricular programs available at the school help to extend and enrich your high school experience. Each year, hundreds of students become involved in our theatre, dance, choir, band and fine arts programs. Our many sports teams compete within the Kildonan Peguis Athletic Conference and participate in numerous tournaments and special events throughout the province. As well, we offer a wide range of clubs, activities, and committees that provide students with opportunities to assume leadership roles and build new friendships.

Whether on the field, in the classroom, or in the community, Maples students know they can rely on the support of caring and dedicated staff. Maples staff members treat students as individuals and challenge them to learn and to be positive members of our community and society. Above all, we ask students to challenge themselves... because that is where the learning begins!

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# HIGH SCHOOL REQUIREMENTS AND COURSE SELECTION

The Manitoba Department of Education and Training requires that students earn a minimum of 30 credits from grade 9 to 12 in order to graduate from high school. As you consider courses for next school year, please review the planning guide on *page 6* of this Course Book. While there are required courses at each grade level, students have the opportunity to choose from a number of electives. Grade 9 students will be fully scheduled while students in grades 10-12 may have a spare period in their schedule. Electives are chosen on the basis of student interest, need, ability and post-secondary aspirations. For your reference, general registration information on a number of post-secondary institutions in Manitoba, along with links to their websites, have been provided at the back of this book.

Students are encouraged to discuss course selection with their parents/guardians, Teacher Advisors and School Guidance. Student schedules are largely computer-generated and will be available through Student/Parent Connect in mid-August. In the event that a course is over-subscribed for a particular grade level, priority will be given to students at that level or above. Also, the school may need to create an additional class of a particular course and move students into different classes. If courses are under-subscribed, it is possible that the course will not be included in the schedule; in these cases, students may receive one of their alternate selections. Grade level guidance counsellors can be contacted prior to the start of each semester (or during the first week of classes) regarding course changes.

School Guidance and Counselling inform Teacher Advisors and students of admission requirements for universities, colleges and professions. Students need to make it a personal responsibility to have this information and are welcome to contact their grade level counsellor for specific information regarding post-secondary requirements.

## COURSE IDENTIFICATION

Example: Geography 20F = G E O 2 0 F

**The first character** – indicates Grade level

- 1 = Grade 9
- 2 = Grade 10
- 3 = Grade 11
- 4 = Grade 12

**GEO20F** is a Grade 10 course.

**The second character** indicates the credit value

- 0 = 1 credit
- 5 = ½ credit
- 1 = Locally developed course of ½ or 1 credit

**GEO20F** is a Grade 10 course for 1 credit

**The third character** – indicates the level of the course.

F = Foundation educational experiences which are broadly based and appropriate for all students and which may lead to further studies beyond the senior years (e.g. apprenticeship, college & university)

G = General Education experience for all students

S = Specialized experiences and skills leading to further study at the post secondary level

M = Modified course

# TEACHER ADVISORY

To help support all students over their four-year high school experience, Maples Collegiate has a Teacher Advisory (T.A.) program that connects each student with an advisor. Generally, students will have the same teacher advisor and advisory group for their entire time at Maples Collegiate. This long-term relationship helps to foster strong relationships between the teacher advisor, the student and their family. We believe that the Teacher Advisory Program will help students to achieve success academically, socially, and in preparing for their life beyond high school.

The following five focus areas are explored throughout the four years in T.A.

1. High School Life
  - Get to Know Maples, Study Skills, Course Selection
2. Career Development
  - Develop a Résumé, Career Exploration, Safety in the Workplace
3. Relationships
  - Communication Skills, Online Safety, Healthy Relationships
4. Character Education
  - Social Responsibility, Cultural Awareness, Current Issues
5. Independent Living
  - Financial Literacy, Privacy Issues, Community Activities

At the completion of teacher advisory, students will have:

- A complete and updated résumé
- A Social Insurance Number
- Completed a post-secondary plan
- Completed two elective credits (0.5 credits per year).

Teacher Advisors present each of their students with their graduation diploma at convocation. It is a celebration of the achievements of each graduate and the time they have spent at Maples Collegiate.

## STUDENT SERVICES

Maples Collegiate has a Support Team assigned to each grade level. The Support Team consists of support teachers and administrators who work in collaboration with students' families, teachers, school social worker, school psychologist, as well as other professionals, to provide additional support to student learning. The focus is on the educational, social, emotional, and career development of the student. The Support Team provides a continuum of services ranging from preventive and developmental, to interventive and crisis, through assessments, referrals, education, coordination of services, collaboration, consultation, and counselling. To speak with a member of the Support Team, please contact the school and request to speak with a member of your grade level Support Team.

## ENGLISH AS AN ADDITIONAL LANGUAGE (EAL)

The diversity of Maples Collegiate creates a community of many cultures and languages. Students who are new to Canada and are learning English as an additional language are supported in a variety of ways. The Learning Support teacher will meet with each individual family to develop an Individual Education Plan. This plan will be reviewed regularly to reflect the needs of each student.

# PROVINCE OF MANITOBA HIGH SCHOOL DIPLOMA

## Planning Your High School Program

GRADE 9	GRADE 10	GRADE 11	GRADE 12
<input type="checkbox"/> English – 1 Credit <input type="checkbox"/> Math – 1 Credit <input type="checkbox"/> Science – 1 Credit <input type="checkbox"/> Soc. Studies – 1 Credit <input type="checkbox"/> Phys. Ed. – 1 Credit	<input type="checkbox"/> English – 1 Credit <input type="checkbox"/> Math -1 Credit <ul style="list-style-type: none"> <li>• Essential</li> <li>• Applied/Pre-Cal</li> </ul> <input type="checkbox"/> Science – 1 Credit <input type="checkbox"/> Geography – 1 Credit <input type="checkbox"/> Phys. Ed. – 1 Credit	<input type="checkbox"/> English – 1 Credit <ul style="list-style-type: none"> <li>• Comp Focus</li> <li>• Lit Focus</li> </ul> <input type="checkbox"/> Math -1 Credit <ul style="list-style-type: none"> <li>• Essential</li> <li>• Pre-Calculus</li> <li>• Applied</li> </ul> <input type="checkbox"/> History – 1 Credit <input type="checkbox"/> Phys. Ed. – 1 Credit  1 Additional Grade 11 Credit <input type="checkbox"/> _____	<input type="checkbox"/> English – 1 Credit <ul style="list-style-type: none"> <li>• Comp Focus</li> <li>• Lit Focus</li> </ul> <input type="checkbox"/> Math -1 Credit <ul style="list-style-type: none"> <li>• Essential</li> <li>• Pre-Calculus</li> <li>• Applied</li> </ul> <input type="checkbox"/> Phys. Ed. – 1 Credit  2 Additional Grade 12 Credits <input type="checkbox"/> _____ <input type="checkbox"/> _____

Maples Collegiate students are automatically registered in Teacher Advisor and can gain up to **two** credits in total – 0.5 credits per grade level.

Gr. 9 Teacher Advisor	Gr. 10 Teacher Advisor	Gr. 11 Teacher Advisor	Gr. 12 Teacher Advisor
<input type="checkbox"/> TAD15S – 0.5 Credits	<input type="checkbox"/> TAD25S – 0.5 Credits	<input type="checkbox"/> TAD35S – 0.5 Credits	<input type="checkbox"/> TAD45S – 0.5 Credits

Elective course of your choosing:

<input type="checkbox"/> Mandatory Gr. 9 Reading is Thinking – 0.5 Credits  Choose the equivalent of 2.5 credits: <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ Total: _____	Choose at least 2 credits: <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____  Total: _____	Choose at least 2 credits: <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____  Total: _____	Choose at least 2 credits: <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____  Total: _____
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To graduate in the Province of Manitoba in June 2025 a minimum of 30 credits will be required. At least 5 of these credits need to be at the grade 12 level.

Grand Total \_\_\_\_\_  
Minimum 30 Credits

# COURSES AT A GLANCE

GRADE 9	GRADE 10	GRADE 11	GRADE 12
<p><b><u>Compulsories</u></b></p> <p>English Mathematics Physical Education <b>or</b> Physical Education- Hockey Focus Reading is Thinking Science Social Studies</p> <p><b><u>Electives 1 Credit</u></b></p> <p>Band Choir French Indigenous Peoples Jazz Band Business Innovations</p> <p><b><u>Electives .50 Credit</u></b></p> <p>Art Clothing Textile Design Dance Drafting Drama Electronics Film &amp; Broadcasting Family Studies Film Explorations Foods &amp; Nutrition Graphic Arts Intro to Fitness, Strength &amp; Conditioning Principles Intro to Web Design Mathematical Thinking Metals Musical Theatre Performance Musical Theatre Backstage Power Mechanics Punjabi Woodworking</p>	<p><b><u>Compulsories</u></b></p> <p>Applied/Pre Cal/Math <b>or</b> Essential Math English Geography</p> <p>Physical Education <b>or</b> Basketball Focus <b>or</b> Hockey Focus</p> <p>Science</p> <p><b><u>Electives 1 Credit</u></b></p> <p>American History Art Astronomy Band Channel 7 Oaks T.V. Choir Clothing Textile Design Computer Science Dance Drafting Drama Electronics Entrepreneurship Family Studies Film &amp; Broadcasting Foods &amp; Nutrition French Graphics Indigenous Peoples Jazz Band Metals Musical Theatre Performance Musical Theatre Backstage Personal Finance Power Mechanics Punjabi Software Applications Theatre Prod. Tech Vocal Jazz Woodworking</p> <p><b><u>Electives .50 Credit</u></b></p> <p>Print Communications Intermediate Fitness, Strength &amp; Conditioning Principles</p>	<p><b><u>Compulsories</u></b></p> <p>Applied Math <b>or</b> Essential Math <b>or</b> Pre-Calculus Math</p> <p>English Comp Focus <b>or</b> English Lit Focus</p> <p>History</p> <p>Advanced Healthy Living <b>or</b> Basketball <b>or</b> Dance Focus <b>or</b> Hockey Focus <b>or</b> Physical Education</p> <p><b><u>Electives 1 Credit</u></b></p> <p>Accounting Art Astronomy Band Astronomy Band Biology Career Development (2 credits) Chamber Choir Channel 7 Oaks T.V. (2 Credits) Chemistry Choir Clothing Textile Design Computer Science Dance Drafting Drama Electronics English Add Lang EAL31G Family Studies Film &amp; Broadcasting Foods &amp; Nutrition French Graphics Indigenous Peoples Jazz Band Metals Musical Theatre Performance Musical Theatre Backstage Physics Power Mechanics Software Application Theatre Prod. Tech Vocal Jazz Woodworking</p>	<p><b><u>Compulsories</u></b></p> <p>Applied Math <b>or</b> Essential Math <b>or</b> Pre-Calculus Math</p> <p>English Comp. Focus <b>or</b> English Lit Focus</p> <p>Advanced Healthy Living <b>or</b> Basketball Focus <b>or</b> Dance Focus <b>or</b> Hockey Focus <b>or</b> Physical Education</p> <p><b><u>Electives 1 Credit</u></b></p> <p>Accounting Art Astronomy Band Biology Career Development (2 credits) Chamber Choir Channel 7 Oaks T.V. (2 Credits) Chemistry Choir Clothing Textile Design Computer Science Dance Drafting Drama Economics Electronics English Add Lang English/Literary English/ Tech. Comm English/Trans Focus Family Studies Film &amp; Broadcasting Foods &amp; Nutrition French Global Issues Graphics Indigenous Peoples Jazz Band Law Management Metals Musical Theatre Perf. Music Theatre Back. Physics Power Mechanics Psychology Theatre Prod. Tech. Vocal Jazz Woodworking World Religions</p>

### Beyond Grade 12 Courses University

Applied Computer Science (ACS42U)  
History (HIS42U)  
Calculus (CAL42U)  
English (ELA42U)



# CAREER READY (CR)

Seven Oaks School Division offers a variety of incredibly innovative and dynamic Career Ready programs at Maples Collegiate. If you are interested, please see one of our guidance counsellors for further information, and check out our website at the following link <https://www.7oaks.org/Programs/CareerReady//>  
Earn up to 8 credits!

The following programs offered to all Seven Oaks School Division students starting in Grade 12.

- Introduction to Aviation Trades and Technology (8 credits)
- Culinary Services (8 credits)
- Hospitality Services (8 credits)
- Health Care Aide (10 credits)
- Heavy Construction (8 credits)
- Horticulture (8 credits)
- Introduction to Material Fabrication – Auto Industry (8 credits)
- Early Childhood Educator (8 credits)
- Performing Arts Production and Industry (8 credits)
- Plumbing and Pipe Trades (8 credits)
- Electrical Trades Technology (8 credits)
- Refrigeration and Air Conditioning (8 credits)
- Introduction to Building Trades (8 credits)

## AVIATION TRADES & TECHNOLOGY – MAPLES

The Career Ready (C.R.) Aviation Trades Program at Maples Collegiate introduces the students to the opportunities available in the aviation industry. Participants will be exposed to the 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 will then be placed in their training site four days a week to work alongside experts in their field. This is supplemented by 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 and will be taught as necessary. ***A math (applied math or pre-calculus) and English mark of 70% at the 30S and / or 40S level is recommended.***

The program begins in September of each year.

## BUILDING TRADES - 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 can coordinate, plan, assemble, build, install, repair, and maintain many types of Residential, Commercial and Industrial buildings. Carpenters collaborate and work along side many other trades during the construction process in order to meet the common goal of completing projects and working safely. Carpenters ensure that the building construction, necessary building inspections, installation of finishes and fixtures are completed to meet the standard set by the National Building Code of Canada. Carpenters also troubleshoot and repair buildings if affected by flooding, fire or any other damages. They must have the experience to safely 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, commercial framer, commercial concrete former, window/door installer, flooring installer or 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. With this training, students become more sought after as they seek full time employment and begin their Apprenticeship in Carpentry.

Students can earn up to 8 high school credits towards graduation from high school. As with all Seven Oaks CR 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 will be taught out of 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 and will be taught as necessary.

The program begins in September of each year.

## **CULINARY SERVICES – 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.

Prior to starting work in a quality food service establishment, there is a three-week training period in a kitchen training facility. There, students are introduced to the tools and equipment used in the industry. They are introduced to the nature of Food Services and employer expectations. The remaining 30 weeks are spent on the job. One day a week is spent at Maples Collegiate or other kitchen training facilities. The other four days are spent getting hands-on experience 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 Career Ready 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 and will be taught as necessary.

The program begins in September of each year.

## **EARLY CHILDHOOD EDUCATOR – Seven Oaks Adult Learning Centre (ALC), 950 Jefferson Ave.**

A student who completes the Early Childhood Educator CR program can work in childcare centres 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 CR program with an overall grade of 65% or greater can apply to enter directly to term 2 of the four term ECE program at Red River College (see RRC website).

Students can earn up to 8 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 and will be taught as necessary.

The program begins in September of each year.

## **ELECTRICAL TRADES TECHNOLOGY – 225 McPhillips St. with IBEW 2085**

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 listed below.

- Electrical construction
- Industrial electrical maintenance
- Railway electrical maintenance
- Electrical utility companies (Hydro)
- Telephone and cable companies

Other opportunities for employment can be found in:

- Aircraft manufacturing
- Bus manufacturing
- General building repairs
- Electrical product sales
- Warehouse parts person
- 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 and will be taught as necessary. **A math mark of 70% is recommended (applied math, pre-calculus or physics at the 30S and/or 40S level).**

***The program will be taught in partnership with International Brotherhood of Electrical Workers (IBEW 2085) and held at 225 McPhillips Street.***

The program begins in September of each year.

## **HEALTH CARE AIDE – MAPLES**

The Health Care Aide program is designed to provide 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.

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 are introduced to the nature of Health Care and employer expectations.

The remaining 28 weeks are spent 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 and will be taught as necessary.

The program begins in September of each year.

## **HEAVY CONSTRUCTION – Adult Education Centre (AEC), 1747 Main Street**

The Heavy Construction (HC) Program is intended to introduce students to the many job opportunities available in the Heavy Construction sector. It provides students with extensive hands-on experience as well as academic training in the various specialties that make up the trade. The HC Program allows students to earn up to eight elective high school credits for their diploma at the 20s, 30s and 40s levels, while starting on the pathway to a potential career in heavy construction. The Heavy Construction industry is currently in demand of good people who wish for a rewarding career with job security, benefits, good pay and full-time positions.

Work placement is real job experience with local companies. Jobs such as Heavy Equipment Mechanic assistant, Diesel Technician assistant or as a worker within a local construction company or heavy equipment dealer. Students will also receive in class training on heavy machinery simulators such as Caterpillar Bulldozer, Excavator and John Deere Wheel Loader. This allows students to have a basic understanding of how to operate these machines.

The HC program runs September through June, starting with classes at the AEC then transitioning into a work placement for the remainder of the program. In September and October, students will learn about the equipment, materials and special tools used in HC, as well as the importance of work safety. Starting November, students transition to their work placement, four days a week with the remaining day spent at the AEC for in class training. By February, students will start learning the fundamentals of land surveying, heavy construction drilling, blasting theory, as well as both gas metal arc welding (GMAW) and Oxyacetylene gas welding will be taught. Apprenticeships are available for several of these courses once employment in the applicable area has been secured.

Students need to have completed grade 11 or qualify for adult student status – Grade 12 English, Math, and Physical Education are required for graduation and will be taught as necessary.

The program begins in September of each year.

## **HOSPITALITY SERVICES – MAPLES**

The Hospitality Services Course is designed to provide students with training and experience for the hospitality and tourism industry.

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 spent 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 and workstations. 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 Career Ready 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 and will be taught as necessary.

The program begins in September of each year.

## **MATERIAL FABRICATION – AUTOMOTIVE INDUSTRY – MAPLES**

The Career Ready (CR) Material Fabrication Automotive Industry Program at Maples Collegiate introduces students to many opportunities available in the automotive trade. Whether it's 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 are also introduced 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; along with state-of-the-art coat/clear 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 and will be taught as necessary.

The program begins in September of each year.

## **PERFORMING ARTS PRODUCTION AND INDUSTRY – 1<sup>st</sup> Floor – 321 McDermot Ave.**

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. Knowledge of production management and accounting skills are also aspects of the courses and placements that will be experienced 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 and will be taught as necessary.

The program begins in September of each year.

## **PLUMBING AND PIPE TRADES – PITC/Pipe Industry Training Centre, 20 Dunlop Ave.**

A student who successfully completes the Plumbing and Pipe Trades CR program may receive level one apprenticeship certification in plumbing and may 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 8 high school credits, graduate from high school and may 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, 20 Dunlop 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 and will be taught as necessary.

The program begins in September of each year.

## **REFRIGERATION AND AIR CONDITIONING – PITC/Pipe Industry Training Centre, 20 Dunlop 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 flaring, soldering, and brazing applications related to HVAC.

Students will have training in heating/cooling, ventilation, electrical 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 8 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 and will be taught as necessary. ***A math mark of 70% is recommended (applied math, pre-calculus or physics at the 30S and / or 40S level).***

This program begins in September of each year.

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 and will be taught as necessary.

The program begins in September of each year.

**For further information on CVE courses see individual program brochures, available at all Seven Oaks High Schools**

# SPECIALIZED GRADUATION CERTIFICATES

## BUSINESS AND COMPUTER TECHNOLOGY CERTIFICATE

Students enrolled in the regular academic program have the opportunity to earn a Maples Collegiate Certificate in Business and Computer Technology by obtaining **at least seven** approved business/computer courses as part of their high school credits. Students must identify themselves to their Teacher Advisor if they wish to receive the certificate upon graduation.

GRADE 9	GRADE 10	GRADE 11	GRADE 12
*Futures in Business 15G Intro to Web Design 15F *Popular Media 21G *Print Communications 25S Business Innovations 10S *Intro to Film & Broadcast 35S Film & Broadcasting 15S	*Print Communications 25S Film & Broadcasting 21G/20S Channel 7 Oaks T.V. 21G/30S *Desktop Publishing 30S/35S Software Applications 30S/35S *World of Business 21G Computer Science 20S Entrepreneurship 20S Personal Finance 20S	*Popular Media 31G Film & Broadcasting 31G/30S *Web Design 31G/35S Channel 7 Oaks T.V. 31G/30S/40S *Desktop Publishing 30S/35S Accounting 30S *Advertising and Promotions 30S *Career Education 30S Computer Science 30S Software Applications 30S/35S	Film & Broadcasting 41G/40S *Web Development 41G Channel 7 Oaks T.V. 41G/40S Accounting 40S Economics 40S Law 40S Management 40S *Career Education 30S *Seminar in Business 40S Computer Science 40S Career Development 40G

## VISUAL ARTS CERTIFICATE

Maples Collegiate offers a Visual Arts Certificate to graduates who complete **six credits** in the following course areas: Art, Graphics, Drafting, Multi-media and Film Studies. Students are required to take courses in a minimum of two of these focus areas, have two 40 level courses and identify themselves to their Teacher Advisor if they wish to receive the certificate.

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Art 15S Graphics 15G Drafting 15G Intro to Film-making 15F Film & Broadcasting 35S	Art 20S Graphics 20G Drafting 20G Film & Broadcasting 21G/20S Channel 7 Oaks T.V. 21G/30S	Art 30S Graphics 30G Drafting 30G *Popular Media 31G Film & Broadcasting 31G/30S Channel 7 Oaks T.V. 31G/30S	Art 40S Graphics 40S Drafting 40S Film & Broadcasting 41G/40S Channel 7 Oaks T.V. 41G/40S

## PERFORMING ARTS CERTIFICATE

Maples Collegiate offers a Performing Arts Certificate to graduates who complete **eight credits** in the following course areas: Drama, Choir, Vocal Jazz, Band, Jazz Band, Jazz Improvisation, Wind Ensemble, and Dance. Students are required to take courses in a minimum of two of these focus areas, have two 40 level courses, and identify themselves to their Teacher Advisor if they wish to receive the certificate.

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Choir 10S Vocal Jazz 10S Intro to Band 10S Band 10S Jazz Band 10S Jazz Improvisation 10S Drama 11S Art 15S Dance 11S Wind Ensemble 10S	Choir 20S Vocal Jazz 20S Band 20S Jazz Band 20S Drama 20S Theatre Prod. Tech. 20S Art 20S Dance 20S Wind Ensemble 20S Jazz Improv 20S Chamber Choir 20S	Choir 30S Vocal Jazz 30S Band 30S Jazz Band 30S Jazz Improvisation 30S Drama 30S Theatre Prod. Tech 30S Art 30S Dance 30S Wind Ensemble 30S Chamber Choir 30S	Choir 40S Vocal Jazz 40S Band 40S Jazz Band 40S Jazz Improvisation 40S Drama 40S Theatre Prod. Tech. 40S Art 40S Dance 40S Wind Ensemble 40S Chamber Choir 40S

\*Discontinued courses

# POWER MECHANICS & AUTOMOTIVE TECHNOLOGY

## POWER MECHANICS 15G (PME15G)

This course involves basic mechanical skills needed in servicing automobiles. Students will learn safety skills needed to work in a repair shop. Students will work on projects involving various hand and power tools. Students of varying abilities will be dismantling automobiles. Students who bring some skills with them to the program may remove the engine or transmission. Students who are beginners may work on trim or body parts while learning tool use. Some theory will be taught and small quizzes will go towards the students' marks. The theory is based on student requested questions and interest.

## POWER MECHANICS 20G, 30S, 40S (PME20G, PME30S, PME40S)

**\*Pre-requisites are required for this course, please see teacher.**

The Power Mechanics program is designed to provide the learner with a solid foundation for a successful and safety conscious career in the automotive technology field. Industry standards are emphasized to promote career success. The Power Mechanics program at Maples Collegiate is accredited with Apprenticeship Manitoba. Students who complete all the program courses with a standing of 70% or higher, will be eligible with the instructors' recommendation to challenge the level one apprenticeship exam.

The program provides opportunities for student 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 split into approximately 40% automotive theory and 60% working in the shop on various jobs.

## Automotive Program Sections

### Grade 10

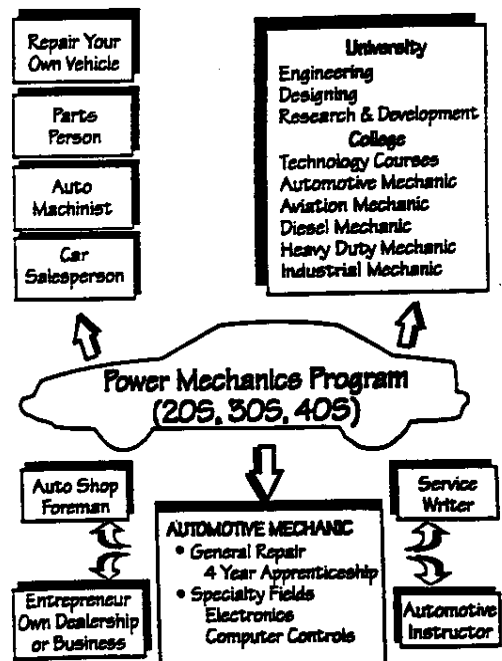
AUT20S	Auto Systems & Service 20S
MET20G	Metalwork Technology 20G
ELE20G	Electronic/Electricity Technology 20G

### Grade 11

EFS30S	Engine Fundamentals & Service 30S
CFS30S	Chassis Fundamentals & Service 30S
DFS30S	Drive Train Fundamentals & Serv. 30S

### Grade 12

AES40S	Automotive Electrical Systems 40S
VS140S	Vehicle Systems 1 40S
VS240S	Vehicle Systems 2 40S
ADS40S	Applied Diagnostic Strategies 40S



Automotive Technicians 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.



# ALTERNATIVE WAYS TO EARN CREDITS

## SPECIAL LANGUAGE CREDITS

Once a year, Seven Oaks School Division offers all students an opportunity to gain a Language Credit in Languages other than English and French.

### THERE ARE TWO PATHS TO EARN SPECIAL LANGUAGE CREDITS

By students presenting recognized non-Manitoban credits (transcripts, report cards, certificates, etc.) that demonstrate prior instruction and/or proficiency in languages other than English or French. No mark is given (they receive "S" for standing) and the credit is either 12G (grade 9), 22G (Grade 10), 32G (Grade 11), or 42G (Grade 12). By students challenging for credit by successfully completing special language examinations.

### LANGUAGES ELIGIBLE FOR SPECIAL LANGUAGE CREDITS

Curriculum-based languages (0S): Hebrew, Italian, Latin, Spanish, Ukrainian, German, Portuguese, Filipino, Polish and American Sign Language.

Non-curriculum based languages (1G): Greek, Slavic, Laotian, Punjabi, Vietnamese, Native Languages, etc. Other languages that have previously been written in the 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.

The credit awarded for curriculum-based languages will be at the "OS" level. The credit to be awarded for non-curriculum-based languages will be at the "1G" level.

Retroactive credit for students examined at the 30S/31G level may be awarded for superior language competency (granting of standing at the first and second-year levels) upon the recommendation of the examiner and THE SCHOOL ADMINISTRATION.

A student can only be awarded four special language credits within the required 30 credits for graduation.

Registration for the Special Language exam usually begins in January while the exams are held in February. Exam marks are returned to the school in the spring. Only certain language courses can be used for post-secondary applications. See one of our guidance counsellors for more information.

## COMMUNITY SERVICE – VOLUNTEERING CREDITS

Volunteering can provide a valuable service to a community organization, provide students with a sense of accomplishment and help to develop a number of personal skills that can be valuable in different aspects of life. The Manitoba Department of Education and Training will award up to one credit during a student's high school experience for volunteering: 55 hours for a half-credit or 110 hours for a full credit. Students will need to secure a volunteer placement and complete a registration form prior to starting their community service. Forms and further information are available through guidance counsellors.

## CULTURAL EXPLORATION CREDIT

Students can gain valuable educational experience by enhancing their knowledge of their own cultural origins or a cultural group that interests them through interaction with community members such as elders and members of cultural organizations. The skills, knowledge and attitudes obtained from such activities can increase a student's self-esteem and maturity, strengthen cultural identity and/or provide greater intercultural understanding and an

appreciation of cultural diversity. The Manitoba Department of Education and Training will award up to 1 credit during a student's high school experience: 55 hours for a half-credit or 110 hours for a full credit. Students will need to be familiar with the process and requirements for credit and complete a registration form prior to starting their cultural exploration. Registration forms and further information are available through guidance counsellors.

## **PRIVATE MUSIC OPTION CREDIT**

Through the Private Music Option students can obtain up to four additional credits beyond the minimum 30 credits required for provincial graduation. Additional credits for Grades 9 (12G), 10 (22G), 11 (32G), and 12 (42G) can be earned upon successful completion of Royal Conservatory of Canada or Conservatory Canada exams. A student may claim the additional Private Music Option credit in any Senior Years level provided the minimum music standing for that level has been attained. Further information is available through guidance counsellors.

## **TECH HUB EXCHANGE STUDIO – 62 Albert Street**

In partnership with New Media Manitoba, learn from industry experts in a real studio environment about how to develop interactive digital media. Spend every afternoon in the Exchange District developing projects that have meaning, guided by leaders in new media! Earn at least three credits, including Computer Science, Interactive Digital Media, Visual Arts, Career Development, and more. If you have a passion for gaming, art, coding, story telling, music, project management, etc., this is the experience for you. Open to grades 9-12. Once semester or both.

Monday to Friday, from 1 – 3 p.m. in the Exchange District

## **TECH HUB AFTERSCHOOL – WayFinders / Maples Collegiate / Garden City Collegiate / West Kildonan**

Develop programming and interactive digital media skills after school at the campus of your choice on Tuesdays, and Thursdays. Earn High School ICT and University Applied Computer Science credits from the U of W while learning from industry leaders and post secondary faculty. Develop your own projects in cutting-edge technology and learn how to use the latest game engines to create your projects. Open to grades 9-12. Full-year programme.

Tuesday & Thursday from 4- 5:30 p.m.

To register for these programmes, please see your school principal or guidance counselor today.



# GRADE 9

## COMPULSORY COURSES

### ENGLISH 10F (ELA10F) (1 credit)

The emphasis in the Grade 9 English Language Arts program is on exploring personal thoughts and individual perspectives through listening, speaking, reading, writing, viewing, and representing experiences.

### SOCIAL STUDIES 10F (SST10F) (1 credit)

In this study of Canada, we will focus on what makes up the Canadian Identity. To do this we will explore a broad range of topics including pluralism and diversity, democracy and governance in Canada, Canada in the global context and the future challenges facing this country. Students will use a variety of skills and techniques to both acquire and demonstrate knowledge. By the end of this course students should have a greater sense of what it means to be Canadian while at the same time acknowledging their role in determining this country's future.

### MATHEMATICS 10F (MAT10F) (1 credit)

Grade 9 Mathematics 10F is a foundational course to prepare students for several possible pathways in Grades 10 to 12. The course builds on the understandings from Kindergarten to Grade 8 Mathematics. The learning outcomes are divided into four strands: Numbers; Patterns and Relations; Shape and Space; Statistics and Probability. Students taking this course are required to have a scientific calculator. Evaluation includes: class work, homework, assignments, and tests. For students who are interested in enriching their mathematics, it is recommended that they also take Exploring Topics in Math 15F (ATM15F) as an elective.

### SCIENCE 10F (SCI10F) (1 credit)

This course has been structured to give students an exposure to four types of Science: Biology, Chemistry, Earth Science, and Physics. Through these four branches of science and a variety of diverse learning experiences, students will learn to develop scientific literacy which will enable them to solve problems, make informed decisions, evaluate information, and be prepared for science in grade 10.

### **PHYSICAL EDUCATION – CHOOSE ONE: PED10F or PEH10F**

#### PHYSICAL EDUCATION 10F (PED10F) (1 credit)

Students will participate in a wide range of physical activities including both team and individual sports. An emphasis will be placed on lifetime activities, fitness, and wellness. Health education will also be included in the Physical Education curriculum. In addition to the required activity and health units, one self-directed unit in each semester is required.

#### PHYSICAL EDUCATION 10F – HOCKEY FOCUS (PEH10F) (1 credit)

Through Physical Education – Hockey Focus, students will earn their Physical Education credit through the lens of hockey. On-ice sessions will aim to develop knowledge and individual skills as it relates to the game of hockey, with off-ice sessions aiming to improve athletic movement and physical conditioning. This course splits time between Maples Collegiate and Maples Arena throughout the semester. The classroom component will be an opportunity for students to engage in learning material surrounding healthy lifestyles with the focus of transferring this knowledge to their on-ice performance. Previous hockey experience and access to full equipment is strongly recommended for students interested in Hockey Focus Phys Ed.

## ELECTIVES COURSES.

### ART 15S (ART15S) (0.5 credit)

The Grade 9 Art program guides students in developing their artistic voice. Students will explore a variety of art materials, art history, visual culture, and artistic techniques through creative questioning and exploration both collaboratively and independently. Students will be introduced to ways of discussing and responding to their own work and the work of others through creative vocabulary. This is an introductory course for students who may or may not have taken Art Class in Early or Middle Years.

### INTRO TO FITNESS, STRENGTH AND CONDITIONING PRINCIPLES (IWT11G) (0.5 credit)

Fitness, Strength and Conditioning Principles 11G is a half-credit course designed to introduce students to the fundamentals of fitness, conditioning and strength training. This course will focus on various areas of fitness training including: safety, proper warm-up and cool-down exercises, flexibility, proper lifting technique as well as the use of machines and other exercise equipment. Students are also exposed to alternative fitness programs such as yoga and circuit training. Students will develop a personal workout plan based on the guiding principles in the course and take into consideration their personal physical development, prior experience and interests.

### BAND 10S (MBD10S) (1 credit)

**\*Pre-requisite: Grade 8 Band at your previous school or special permission from the instructor**

This course is a continuation of middle-school band programs and offers students the opportunity to play in a concert band. Some theory, history, and aural skills will be dealt with through playing and performing. The students will learn to perform in a group setting which builds confidence in individual ability and expressiveness through an appreciation for music. The instrumentation for band includes brass, woodwind, and percussion instruments. The course is offered for the entire year. Participation in concerts, festivals, and Band Camp will be required for this course and will be used in evaluation.

### BAND – JAZZ BAND 10S (JBD10S) (1 credit)

**\*Pre-requisite: Co-requisite: Intro to Band 10S, Band 10S or permission of the instructor. Offered at lunch**

**\*No need to sign up for this course until September, sign up for MBD10S or IBD10S and talk to Instructor.**

Do you love to play your instrument and would you like to learn about and play Jazz, Latin, and Rock music? Then Jazz Band is the place for you! This smaller band of approximately 20 - 30 students meets every second day at lunch time and will be together for the entire duration of their high school life. All instruments are welcome in the Jazz Band including, Guitar, Bass, Piano, and Drums. Students will learn the basics of jazz improvisation on their instruments as well as how to play as a big band. Opportunities to perform at concerts and festivals, including the Brandon Jazz Festival, are required and form a basis for evaluation. This is a full credit course.

### BUSINESS INNOVATIONS 10S (BUI10S) (1 credit)

EVERYTHING IS BUSINESS! No matter what you plan on doing with your life, you will be involved with business. Students enrolled in Business Innovations will be introduced to many commerce-related topics such as economics, entrepreneurship, business, marketing, and finance. There will also be opportunities to connect theoretical learning to real-life business practices. Give yourself a head start in life with Business Innovations 10S.

### CHOIR 10S (CHO10S) (1 credit)

Grade 9 Choir is a place to find your voice and find close friends who will become like a family, all while singing, learning and laughing together. It's ok if you weren't in choir in middle school, we'd love to have you join! This class is in the timetable, and is one full credit. It is not auditioned. This choir sings all kinds of music, and performs at school concerts, Manitoba Choralfest, the Winnipeg Music Festival, Arts in the Park, and other events.

### CLOTHING AND TEXTILE DESIGN 15S (CLO15S) (0.5 credit)

This is an introductory "hands on" course, teaching basic hand and machine stitching skills. All students are encouraged to try this course regardless of past sewing experience! This course includes construction of a variety of fun sewing projects dependent upon ability level and interest. We focus on basic machine skills

creating sewing projects as well as the theory to understand clothing/fashion history and basic design terms. There is a service-learning component to this course in which students create and donate specific projects.

### **DANCE 15S (DAN15S) (0.5 credit)**

The aim of this course is to familiarize students with the concept of moving in both personal and public space. Students will become accustomed to moving different body parts independently and in unison. Students will learn fundamental dance vocabulary as well as a basic dance warm-up and a cool down to work on muscle tone, flexibility, and vigour. Students will be introduced to simple jazz, ballet, hip-hop, break dancing, and folk dances to learn various kinaesthetic and coordination skills. No prior dance skills required.

### **DRAFTING 15G (DFT15G) (0.5 credit)**

This course is a hands-on introduction to the world of design. Students will learn manual drafting, computer graphic design and desktop publishing as means to explore different avenues of this world. Students will also experience the process of taking a product from “concept to market”.

### **DRAMA 15S (DRA15S) (0.5 credit)**

Drama 15S is a beginner-level half credit course that explores the basics of dramatic expression – imagination, self-confidence, and group collaboration. Students will actively participate in improvisation and character development exercises, as well as explore the genre of Story Theatre for children.

### **ELECTRONICS 15G (ELE15G) (0.5 credit)**

This course is designed as an introduction and exploration to the world of electricity and electronics. Basic components and tools are discussed and used at this level; a discussion and experimentation of sources of electricity and simple circuitry round out the course. Simple projects will be manufactured to apply the knowledge gained by the students. Electronics 15G is not a pre-requisite for Electronics 20G, but strongly recommended.

### **FAMILY STUDIES 15S (FST15S) (0.5 credit)**

Grade 9 Family Studies is an introductory course that provides young people with information about adolescent development, which they can apply to their daily lives. This fun and interactive course includes the study of human needs, communication, current issues, and relationships with family, friends and the community. Students gain an understanding of how relationships and behaviour affect themselves and the world around them.

### **FILM AND BROADCAST 15S (FAB15S) (0.5 credit)**

This is a hands-on introductory course for grade 9 students who are interested in becoming filmmakers and producing TV shows on the Internet. Members of the **FAB** group learn the essentials of shooting film, video editing, working with High Definition Cameras, and creating great media for release on Maples' very own Channel 7 Oaks Internet Television, ([www.channel7oaks.org](http://www.channel7oaks.org)). One of the roles of contemporary media-makers is to understand the use of SPECIAL EFFECTS in film and television. Members learn the essentials of working in special effects, green screen, virtual sets, creating short films, art films, documentaries, special news events, and music videos. FAB members work in production teams and train in all areas of film and broadcasting.

### **FOODS & NUTRITION 15S (FNT15S) (0.5 credit)**

Grade 9 Food & Nutrition focuses on the individual and the relationships and influences that affect food choices. Students will examine the fundamentals of nutrition and learn how to apply the information to their lives. The course provides opportunities for students to develop safe food handling and food preparation skills in a practical setting.

### **FRENCH 10F (FRE10F) (1 credit)**

Would you like to speak both of Canada's official languages? If yes, then consider the benefits of learning French. The Grade 9 program focuses on speaking French. The theme units of study are age appropriate and motivating. This level is a good entry point for any student who has little or no previous experience learning French. Sign up and see how much French you can learn in one semester.

### **GRAPHICS 15G (GRA15G) (0.5 credit)**

Graphics is one of the three visual arts offered at Maples Collegiate (Graphics – Drafting – Art). Graphic Design involves commercial art techniques and printing methods. It plays a part in all publishing, advertising, and media

productions. Students in this introductory level course will learn the basic skills of graphic design, the elements of art, branding, and cartooning. Artistic ability is not required.

### INDIGENOUS PEOPLES 11G (IDP10S) (1 credit)

This course offers an introduction to Indigenous Peoples and Perspectives. The topics explored in this course may include: traditional societies and cultures, Aboriginal world-views, pre-contact societies, initial relations upon contact, Medicine Wheel Teachings, the Seven Teachings, and Metis communities and culture. A variety of educational experiences will be utilized to explore these various topics including art, language, guest speakers, educational field trips, novel studies, and health & athletics.

### INTRO TO FILMMAKING 15F (FLM15S) (0.5 credit)

In Film 15F the students are introduced to the art, history, aesthetics and creativity of filmmaking. Beginning with the first films ever made (Edison, Lumieres and Melies) the students explore the evolution of film storytelling from the late 19<sup>th</sup> century to present day blockbusters. In this course the students will also make their own films using 16mm clear leader for animations and state-of-the-art digital cameras and editing platforms for documentary films, short dramas and experimental films. It is the hope that by the end of the course, the students will have gained a deeper understanding of Film as a rich and fun medium.

### INTRODUCTION TO WEB DESIGN 15F (WEB15S) (0.5 credit)

This course will introduce students to the process necessary to design a website. Students will be working with software to design vector graphics as well as formatting and organization software for the web. Students will create websites using HTML encoding as well as Macromedia Dreamweaver and Macromedia Fireworks.

### MATHEMATICAL THINKING 15F (ETM15F) (0.5 credit)

**\*\*\*this course is highly recommended for all grade 9 students; where possible, it will automatically be added to students' schedules**

This half-credit course is designed to help students strengthen their mathematical thinking. Mathematical thinking will give you the skills and strategies needed to become a more confident math student. The two main focus areas of this course are numeracy and problem-solving. This course is intended to be taken in addition to Mathematics 10F and does not meet the requirement for a grade 9 mathematics credit.

### METAL TECHNOLOGY 15G (MET15G) (0.5 credit)

Metal Technology introduces students to many phases of machine and tool technology. Students will be introduced to shop tool and machine applications. Students will be expected to complete a compulsory sheet metal and lathe project plus a bench metal/welding project of their choice and design.

### MUSICAL THEATRE PERFORMANCE (MTP10S) (1 Credit)

Musical Theatre Performance is an exploration of performing a Musical. Students will study Acting, Dancing, and Singing to develop their storytelling. If you haven't been in a musical no problem, we'd love to have you be a part of our growing community! **This is an auditioned class.** Students will learn Musical Theatre Literacy and Etiquette along with performing with a cast on a full-scale musical.

### MUSICAL THEATRE BACKSTAGE (MBS10S) (1 Credit)

Students in this course will have hands-on instruction in the set up and operation of sound systems and lighting grids, virtual backgrounds, set building, set painting and set moving of the Maples Collegiate's Musical Production. Attention will also be given to how set design interacts with tech. set up. Requirements for this course will involve instruction and practicum time outside of the regular timetable. Students are expected to demonstrate responsibility, safety, and reliability throughout the program.

### POWER MECHANICS 15G (PME15G) (0.5 credit)

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. A small engine will be used as a learning aid to develop a working knowledge of a basic four-stroke engine.

### PUNJABI 11G (PUN11G) (1 credit)

Gaining knowledge of a new language broadens your perspective. It exposes you to culture, boosts self-esteem and gives you a professional advantage in today's globalizing environment. Would you like to learn another



language? If yes, then try this course. This is an introductory-level course designed to learn the Punjabi language. Language has four components: reading, writing, speaking and listening. Students will learn and practice all four components in the class based on their knowledge of the language. This level is an excellent starting point for students with little or no experience with Punjabi. Check out how much Punjabi you can learn in a semester by enrolling.

**READING IS THINKING 15S (RIT15S) (0.5 credit) – *Mandatory for all Grade 9 students***

Reading is Thinking, is a half-credit course designed to help students improve their skills in reading and critical thinking. This course is designed to give you the strategies needed to become a better reader regardless of your skill level. The three main focus areas of this course are Thinking About Self, Thinking About Text, and Thinking About the World.

**WOODWORKING 15G (WDS15G) (0.5 credit)**

This is an introductory course intended for Grade 9 students. The course introduces product design and planning, hand tool use, and some basic power tool operations. Students will work on common practical projects with optional projects available as time and ability permit.

**WIND ENSEMBLE (WND10S) (1 credit)**

The Wind Ensemble is a small, select concert band comprised of the top players on their respective instruments from different grade levels. The Wind Ensemble designed for students who desire an additional challenge beyond their grade level concert band. Students from all grade levels are integrated into this ensemble and share a common passion for music making and artistic development. The membership of this ensemble is determined by the Band Director. The group rehearses Tuesday and Thursday from 3:45 PM – 5:30 PM and mandatory sectionals (approx. 1 or 2 per month) take place during lunch hour.



**Woods Class**



# GRADE 10

## COMPULSORY COURSES

### **ENGLISH – CHOOSE ONE: ELA20F or IEL20F**

#### **ENGLISH LANGUAGE ARTS 20F (ELA20F) (1 credit)**

This course encourages students to acquire language and literacy skills through listening, speaking, viewing, representing, reading, and writing. Students are required to use these skills to explore ideas, comprehend language and communication, manage information, enhance the artistry of their communication, and build community. This course focuses on the use of language for both practical and creative purposes.

#### **INDIGENOUS ENRICHED ENGLISH 20F (IEL20F) (1 credit)**

The Indigenous Enriched English course is designed to incorporate Indigenous history and knowledge with the Manitoba English curriculum. Students in this course focus on Indigenous content and Indigenous realities in Canada. The course is designed to give the students a better understanding of the fundamentals and mechanics of the English language, while also exploring the relationship between Indigenous and non-Indigenous Canadians. Registering for this course will give the equivalent credits as other English classes at Maples. Indigenous students are encouraged to register, and the course is open to anybody looking to learn more about Indigenous people and Indigenous issues in Canada.

### **GEOGRAPHY – CHOOSE ONE: GEO20F, SGE20F or IGE20F**

#### **GEOGRAPHIC ISSUES OF THE 21ST CENTURY 20F (GEO20F) (1 credit)**

This geography course is designed to show the connections and interactions between people and the earth. Students will gain an understanding of the physical processes shaping our environment as well as the human impact on our environment. Students also will be exposed to methods used in locating and identifying different environments and places on the planet.

#### **INDIGENOUS ENRICHED GEOGRAPHY 20F (IGE20F) (1 credit)**

The Indigenous Enriched Geography course is designed to teach the Manitoba Geography curriculum through an Indigenous perspective. In this course, we cover geographic issues and the relationship between human and physical geography while incorporating how that relationship specifically affects First Nations' languages and traditional lifestyles. We also explore the use of maps in our everyday lives, and how those maps have changed in Canada's history. While we learn about those changes, we examine the affects those changes have had on Indigenous peoples in Canada. Successful completion of this course is the Manitoba Education equivalent to other Geography courses at Maples. Indigenous students are encouraged to register, and the course is open to anybody interested in learning more about Indigenous people in Canada.

### **PHYSICAL EDUCATION – CHOOSE ONE: PED20F, BBF20F or PEH20F**

#### **PHYSICAL EDUCATION 20F (PED20F) (1 credit)**

This program offers you the opportunity to enjoy a variety of sports and activities that will help you to stay fit for life. The program emphasizes fun, participation, co-operation and sportsmanship. A number of health topics will be covered in each semester including fitness theory, drug and alcohol education, and sexual responsibility. In addition to the required activity and health units, one self-directed unit in each semester is required. **This course cannot be taken in addition to BBF20F or PEH20F.**

#### **PHYSICAL EDUCATION 20F – BASKETBALL FOUNDATIONS (BBF20F) (1 credit)**

This course is ideal for students who wish to pursue and develop their personal potential and knowledge of the

sport of basketball. This course meets all of the Physical Education requirements for grade 10. This course will involve two major areas: Theory & Sport Acquisition Skills. Topics in the theory section will include: sport psychology, sport nutrition, basic technical and tactical basketball concepts, understanding of the FIBA game, and the evolution of basketball, and the core curriculum of the general physical education program for grade 10. The sport acquisition unit will focus on the following areas: basketball specific movements/fundamentals, individual/team skills, and fitness/conditioning training. Respect in Sport certification will be provided for all students, and there will also be options available to students who are interested in coaching or officiating in the community. **This course cannot be taken in addition to PED20F or PEH20F.**

### PHYSICAL EDUCATION 20F – HOCKEY FOCUS (PEH20F) (1 credit)

Through Physical Education – Hockey Focus, students will earn their Physical Education credit through the lens of hockey. On-ice sessions will aim to develop knowledge and individual skills as it relates to the game of hockey, with off-ice sessions aiming to improve athletic movement and physical conditioning. This course splits time between Maples Collegiate and Maples Arena throughout the semester. The classroom component will be an opportunity for students to engage in learning material surrounding healthy lifestyles with the focus of transferring this knowledge to their on-ice performance. Previous hockey experience and access to full equipment is strongly recommended for students interested in Hockey Focus Phys Ed. **This course cannot be taken in addition to PED20F or BBF20F.**

### MATH – CHOOSE ONE: EMA20S or APC20S

COURSE	PRE-REQUISITE	COURSE DESCRIPTION	POST-SECONDARY PLANS
Essential Math 20S (EMA20S)	Mathematics 10F	<ul style="list-style-type: none"> <li>• Emphasis on consumer applications, problem solving, decision-making, number sense and use.</li> <li>• Topics include: spreadsheets, wages &amp; salaries, trigonometry, spatial geometry, recreational math, personal banking, problem analysis, probability &amp; sampling.</li> </ul>	Recommended for students whose plans do not include a focus on mathematics and science –related fields.
Intro to Applied & Pre-Calculus Math (APC20S)	Mathematics 10F	<ul style="list-style-type: none"> <li>• Higher level study of theoretical mathematics including algebra.</li> <li>• Emphasis on problem-solving, mental mathematics, cumulative exercises and testing.</li> </ul>	Recommended for students planning to study calculus and related Mathematical Sciences.

### ESSENTIAL MATHEMATICS 20S (EMA20S) (1 credit)

Grade 10 Essential Mathematics 20S is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Grade 10 Essential Mathematics 20S is a one credit course consisting of two half-credits each emphasizing consumer applications, problem-solving, decision making, and spatial sense. Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in everyday life in a technological society.

Topics include: Analysis of games and numbers, personal finance and consumer decisions, measurement, angle construction, 2D geometry, and trigonometry.

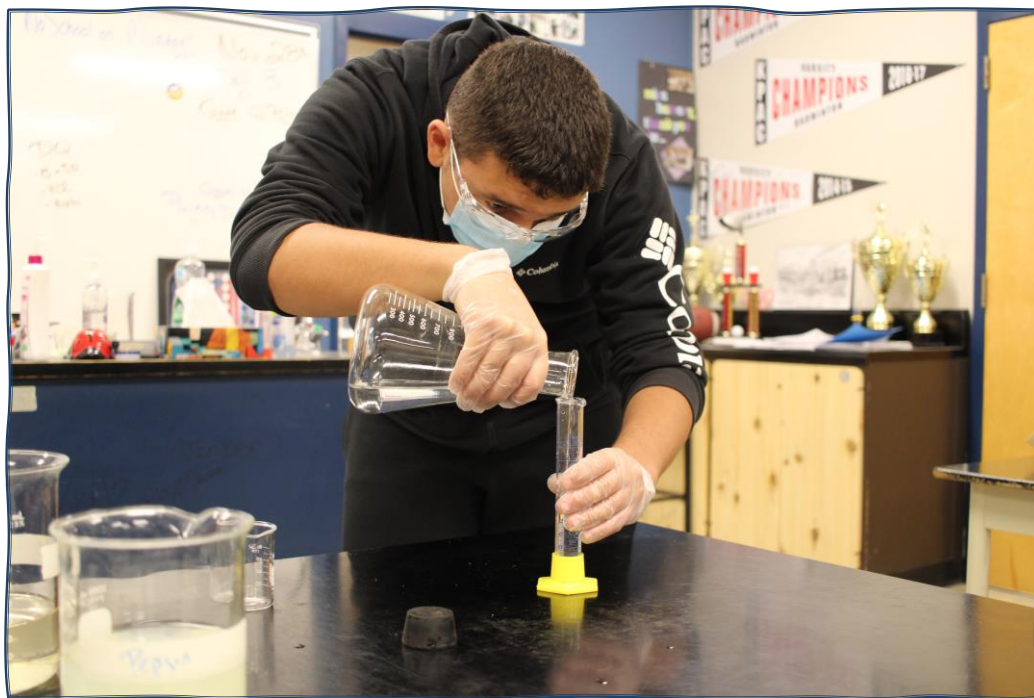
### INTRODUCTION TO APPLIED AND PRE-CALCULUS MATHEMATICS 20S (APC20S) (1 credit)

**\*65% minimum recommended in grade 9 mathematics**

Grade 10 Introduction to Applied and Pre-Calculus Mathematics (20S) is intended for students considering post-secondary studies that require a math pre-requisite. This pathway provides students with the mathematical understanding and critical thinking skills that have been identified for post-secondary programs of study. The learning outcomes are divided into three topics: Measurement; Algebra and Numbers; Relations and Functions. Topics include: Polynomials and Factoring, Analytic Geometry, Trigonometry, Exponents and Radicals, Rational Expressions and Equations, Functions, and Geometry.

**SCIENCE 20F (SCI20F) (1 credit)**

This course is designed as an introduction to the basic foundations in Chemistry, Physics, and Biology. It covers Scientific Method, Lab Safety (WHMIS), Problem-Solving, Society, and Technology as general topics. Four major unit topics include Ecosystems, Chemicals in Action, Motion, and Weather Dynamics. This course provides a pre-requisite to all Grade 11 Science courses.



***Science Class***

## ELECTIVES COURSES

### AMERICAN HISTORY (AMH20G) (1 credit)

This course is designed to study themes in American History that have defined the American experience from the colonial period to the present day. The following topics will be studied: colonial period, American Revolution, Western migration, The Civil War, World Wars I and II, and the civil rights movement. Current events will also be studied as a part of this course.

### ART 20S (ART20S) (1 credit)

The Grade 10 Art program will take students into the historical and contemporary world of art and the connections between them. Students will be encouraged to explore media (what we use to make art) and vocabulary (how we talk about our art and others) that is new to them, while refining their skills and language that they are already familiar with. Experimentation, risk taking and self-reflection will be key skills for students to work with in all of the work they do throughout the course.

### ASTRONOMY 30S (AST30S) (1 credit)

This course is open to students in grades 10 – 12, and it is quite literally out of this world! The course is broken down into three units that will explore current topics of astronomy through these three questions; what is science? How is science conducted? And, how is science communicated? Students will study the components of the solar system, galaxy and universe to gain a deeper understanding. Students will study how the scientific process has led to our current understanding of the universe. Students will have the opportunity to take images from remote telescopes and participate in field-trips.

\*For students who want an extra challenge and different science experience in Astronomy 30S, there is the opportunity to do independent studies and research.

### BAND 20S (MBD20S) (1 credit)

**\*Pre-requisite: Band 10S or permission of the instructor**

This course is a continuation of Band 10G and offers students the opportunity to play in a concert band. Some theory, history, and aural skills will be dealt with through playing and performing. The students will learn to perform in a group setting, which builds confidence in individual ability, and expressiveness through an appreciation for music. The instrumentation for band includes brass, woodwind and percussion instruments. The course is offered for the entire year. Participation in concerts and festivals will be required for this course and will be used in evaluation.

### BAND – JAZZ BAND 20S (JBD20S) (1 credit)

**\*Pre-requisite: Audition, Co-requisite: Band 20S or permission of the instructor**

Do you love to play your instrument but would like to learn all about Jazz, Latin, and Jazz/Rock music? These bands of 15-25 meet through the year earning one credit. The instrumentation for Jazz Band includes saxophone, trumpet, trombone, piano, bass, guitar, and drums. Students will learn the basics of jazz improvisation on their instrument as well as how to play as a big band. We rehearse every second lunch hour throughout the year. Performance at concerts and festivals, including the Brandon Jazz Festival, is required and forms a basis for evaluation.

### BAND – JAZZ IMPROVISATION (JAZ20S/JAZ30S/JAZ40S) (1 credit)

**\*Pre-requisite: One year of Jazz Band**

Unleash your creativity! Learn how to play jazz without written music. This is what jazz is all about! This full credit course is open to Grade 10 to Grade 12 students interested in learning the rewarding art of improvisation. This course takes place outside of the timetable. It's worth the trip!

### CHANNEL 7 OAKS INTERNET TELEVISION 30S (TV130S) (1 credit)

**\*This class is offered every other day at lunch**

Be a part of this unique award-winning television station. All students become crewmembers in the Channel 7 Oaks ([www.channel7oaks.org](http://www.channel7oaks.org)) Production Company. Members of Channel 7 Oaks Internet Television learn the essentials of television production. Members work in a professional television environment learning how to create live programming in an Internet television station. In this course students will learn all aspects of single camera production when working in the field or on location. Theory related to lighting, camera functions, script writing and editing will be introduced. Work with our athletic program, our music and drama programs, and our dance program. Be a part of the production teams that "shoot" all the big shows at Maples Collegiate. Students

in this course produce content for display and use as part of many of our live productions. Channel 7 Oaks Television meets every other day during lunch. For avid television and filmmakers, take FILM AND BROADCASTING (FAB20S) as well. It is a great fit!

### CHOIR 20S (CHO20S) (1 credit)

All grade 10 students are welcome to join grade 10 choir. You do not have to have been in choir in grade 9. Grade 10 Choir is a place to find friendship, to learn about the world, and to re-energize yourself, all while singing in harmony together. This is a timetabled course, it runs all year, and is one full credit. It is not auditioned. We will teach you all the basics of singing and reading music, and we will also challenge you to grow. The choir performs at school concerts, Manitoba Choralfest, the Winnipeg Music Festival, Arts in the Park, and other events.

### CHOIR – VOCAL JAZZ 20S (VJZ20S) (1 credit)

#### ***\*Co-Requisite, Concert Choir***

Both “Baby Sugar” and “Maple Sugar” are auditioned jazz ensembles, with auditions being held in May. If it is your first year in vocal jazz, you will receive the 20S credit regardless of whether you are in grade 10, 11, 12. In order to be in a vocal jazz group, you also need to register for Concert Choir. The groups sing a variety of jazz styles including swing, Latin, and ballads, and perform at Choralfest, the Brandon Jazz festival, Arts in the Park, and many school functions.

### CLOTHING AND TEXTILE DESIGN 20S (CLO20S) (1 credit)

This is primarily a “hands-on” course, aimed at recognizing the influences on design and fashion, and how one’s needs, preferences, values and goals affect clothing and housing choices. Students will learn the basics of colour theory and interior design and plan their dream room. Students will complete multiple construction projects, working independently with sewing and following patterns and instructions. This course involves practical applied skills (sewing machine, sergers, embroidery machine, etc) as well as a theory and research component.

### COMPUTER SCIENCE 20S (CSC20S) (1 credit)

Visual Basic is a high-level computer language which is an excellent introduction to computer programming. It provides students with the tools to develop and solve problems using a graphic format. They are able to create interfaces and attach components while acquiring skills in programming as well as in graphics and animation.

### DANCE 20S (DAN20S) (1 credit)

This course is intended for students who are interested in studying and performing jazz dance. Jazz dance is an umbrella term that can refer to many different dance styles. In addition to studying traditional jazz technique, an introduction to African, hip-hop, lyrical, modern/contemporary, and street jazz will also be included.

### DRAFTING TECHNOLOGY 20G (DFT20G) (1 credit)

This is an introductory course that emphasizes hands-on experience. It is designed to provide students with the opportunity to develop basic drafting skills. Along with exploring these skills the students will be exposed to the world of CAD (Computer Aided Drafting). The program will offer experience in the following areas: Basic Tool Usage, Geometric Applications, Sketching, Dimensioning, Multi-view and Pictorial Drawings, and CAD (Auto Cad) Applications.

### DRAMA 20S (DRA20S) (1 credit)

This course is an introduction to the fun and challenging craft of acting! Students will develop skills in improvisation, mime, story theatre, voice and musical theatre, dance, scene development, and script work. No previous drama experience is necessary.

### ELECTRONICS 20G (ELE20G) (1 credit)

This course is an introduction to the areas of electricity and electronics. Students will have the opportunity to investigate the fields of electricity and electronics by completing experiments and building electronic projects. Students will also explore basic robotics and drive systems. Some topics covered are: Passive components, Active components, D.C. and A.C. Theory, Static Electricity, Printed circuits, Career exploration.

### **ENTREPRENEURSHIP 20S (ENT20S) (1 credit)**

Have you ever dreamed of being your own boss? Entrepreneurship 20S focuses on developing the foundational skills and ideas needed to plan and develop a business. Students enrolled will be challenged to develop a viable business plan, and then market and implement their ideas in the school or surrounding community. This course is designed for students interested in owning and managing their own business, and for those interested in owning their own future!

### **FAMILY STUDIES 20S (FST20S) (1 credit)**

Family Studies 20S 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. The BTIO (Baby Think It Over) program allows students to take home a computerized baby to practice their care-giving skills learned in the course.

### **FILM AND BROADCAST 20S (FAB20S) (1 credit)**

**Made a film lately? Can you fly like superman? Got imagination?** Start working immediately in the nitty-gritty world of film and broadcast production. It's all hands-on in the FAB group! You will learn the essentials of shooting high-definition film, video editing, working with state of the art film cameras, and working with green screen technology. FAB members learn the art of creating short films, art films, documentaries, music videos, and whatever your imagination can think of. Members work in all aspects of a production team from grip to director. It is an excellent program for those want to work in special effects, green screen, virtual sets and filmmaking. Be a director! Be a film editor! Be an on-screen personality! BE A STAR! Imagination becomes reality in film. Many students who are in the FAB group also take CHANNEL 7 OAKS INTERNET TELEVISION (TV130S).

### **FOODS AND NUTRITION 20S (FNT20S) (1 credit)**

Grade 10 Food and Nutrition focuses on the individual within the family unit and the influence that marketing and media have on family food choices. Students will gain a strong understanding of the categories of nutrients, why our bodies need them, and what foods are consumed for health and well-being. The course provides opportunities for students to further develop food preparation skills in a practical setting.

### **FRENCH 20F (FRE20F) (1 credit)**

French can open many doors to a new career, a government position, a vibrant culture, and travel. Communication is the main focus. Students develop fluency to be able to understand and convey their own ideas and thoughts in everyday situations.

### **GRAPHICS 20G (GRA20G) (1 credit)**

Graphic Artists use many methods of transferring their designed information, pictures, symbols, words, and numbers to the general public. In this course we will look at some of the non-traditional methods pushing the boundaries of the graphics design world. Possible units of study: Urban Typography, Music Packaging, etc.

### **INDIGENOUS PEOPLES AND GOVERNMENT RELATIONS 21G (IDP20S) (1 credit)**

This course focuses on numerous interactions between Indigenous peoples and the Canadian government. Topics that will be explored in this course include: Treaties, Treaty Relations, the Indian Act, Residential Schools, Land Claims, Aboriginal Justice and other political movements involving Indigenous people across Canada. The exploration of topics will include poetry, art, guest speakers, novel studies, educational field trips, and classroom discussions. Along with exploring the relationships between Indigenous peoples and the Canadian government, the class will discuss how they may foster change in the opinions and relationships in our Canadian intercultural spaces.

### **INTERMEDIATE FITNESS, STRENGTH AND CONDITIONING PRINCIPLES (IWT21G) (.5 credit)**

Intermediate Fitness, Strength and Conditioning Principles 21G is a half credit course designed to expand on students understanding of fitness principals and delve further into the anatomy and physiology, technique, and program planning of strength training. This course will focus on various areas of fitness training including: safety, proper warm-up and cool-down exercises, flexibility, proper lifting technique, as well as the use of machines and other exercise equipment. Students will be exposed to various methods of strength training including yoga, high intensity interval training (HIIT), kettle bell workouts, and circuit training. Students will



develop a personal fitness plan based on the guiding principles taught in the course that is largely focused on compound movements and a combination of the routines taught.

### METAL TECHNOLOGY 20G (MET20G) (1 credit)

Metal Technology 20G is a course developed to introduce the student to the many phases of industrial fabrication similar to those used in modern industry. Students will be introduced to shop tool and machine applications as well as to Mig, arc and oxy-acetylene welding, machine shop practices and sheet metal layout and fabrication. Students will be expected to complete a compulsory sheet metal project, lathe project, and welding assignments plus a bench metal/welding project of their choice and design.

*Students enrolling in Co-operative or Vocational Automotives are encouraged to take Metal Technology 20G (MET20G).*

### MUSICAL THEATRE PERFORMANCE (MTP20S) (1 Credit)

Musical Theatre Performance is an exploration of performing a Musical. Students will study Acting, Dancing, and Singing to develop their storytelling. If you haven't been in a musical no problem, we'd love to have you be a part of our growing community! **This is an auditioned class.** Students will learn Musical Theatre Literacy and Etiquette along with performing with a cast on a full-scale musical.

### MUSICAL THEATRE BACKSTAGE (MBS20S) (1 Credit)

Students in this course will have hands-on instruction in the set up and operation of sound systems and lighting grids, virtual backgrounds, set building, set painting and set moving of the Maples Collegiate's Musical Production. Attention will also be given to how set design interacts with tech. set up. Requirements for this course will involve instruction and practicum time outside of the regular timetable. Students are expected to demonstrate responsibility, safety, and reliability throughout the program.

### PERSONAL FINANCE 20S (FIN20S) (1 Credit)

Financial literacy is incredibly important in today's world and the Personal Finance course provides students with the basic knowledge and skills necessary to plan their financial future. The course emphasizes the value of money and provides student with the knowledge and skills to manage it. Students learn to set personal goals, which include planning for education, living on their own, managing income through budgeting. They also explore various banking systems, opening and managing bank accounts, using credit cards, insurance, and reviewing bank and credit statements. The course also emphasizes the importance of saving and investing for the future. In addition, students are required to conduct simulated stock market investments, monitor stock prices on a daily basis and create summary charts of their investment portfolio. Students also learn about the need to protect themselves against fraud and identity theft.

### POWER MECHANICS (beginning of a 10 credit program)

**\*Students who are interested in the Power Mechanics Program register and begin in Grade 10.**

The Power Mechanics program designed to provide the learner with a solid foundation for a successful and safety-conscious career in the automotive technology field. Industry standards are emphasized to promote career success. The Power Mechanics vocational program teaches to a level one Automotive Mechanic Apprenticeship curriculum. Upon successful completion of the 3-year program, the learner may be granted the status of a Manitoba Department of Education and Training 1st Level Automotive Mechanic Apprentice. (See also Power Mechanics Automotive Technology on page 15).

### PUNJABI (PUN21G) (1 credit)

Gaining knowledge of a new language broadens your perspective. It exposes you to culture, boosts self-esteem and gives you a professional advantage in today's globalizing environment. Would you like to learn another language? If yes, then try this course. This is an introductory-level course designed to learn the Punjabi language. Language has four components: reading, writing, speaking and listening. Students will learn and practice all four components in the class based on their knowledge of the language. This level is an excellent starting point for students with little or no experience with Punjabi. Check out how much Punjabi you can learn in a semester by enrolling.

### THEATRE PRODUCTION TECHNOLOGY 20S (TPT20S) (1 credit)

***\*This class is offered every other day after school***

This is your backstage pass to the world of sound and lighting! Students in this course will have hands-on instruction in the set up and operation of sound systems and lighting grids, as well as in the maintenance and repair of a variety of sound and lighting components. Attention will also be given to how set design interacts with



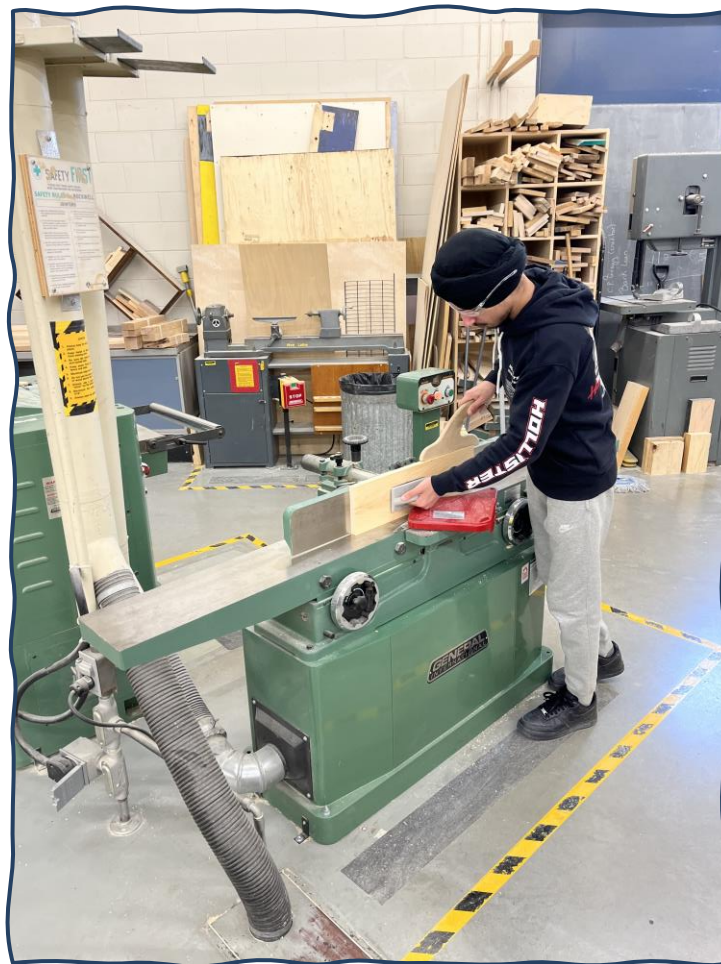
tech. set up. Requirements for this course will involve instruction and practicum time outside of the regular timetable. This will include the set-up, operation and tear down of sound and lighting equipment for a number of dramatic and musical productions at Maples Collegiate and throughout the school division. Students are expected to demonstrate responsibility, safety, and reliability throughout the program.

### **WIND ENSEMBLE (WND20S) (1 credit)**

The Wind Ensemble is a small, select concert band comprised of the top players on their respective instruments from different grade levels. The Wind Ensemble is designed for students who desire an additional challenge beyond their grade level concert band. Students from all grade levels are integrated into this ensemble and share a common passion for music making and artistic development. The membership of this ensemble is determined by the Band Director. The group rehearses Tuesday and Thursday from 3:45 PM – 5:30 PM and mandatory sectionals (approx. 1 or 2 per month) take place during lunch hour.

### **WOODS – INTRODUCTION TO WOODWORK TECHNOLOGY 20G (WDS20G) (1 credit)**

This is an introductory course in power tool woodworking and is a pre-requisite for all subsequent woodworking courses. Students learn project design and planning processes, material and hardware selection, methods of stabilizing lumber, joinery, and wood finishing in the construction of their project.



**Wood Class**

# GRADE 11

## COMPULSORY COURSES

### **ENGLISH – CHOOSE ONE: ELA30S or ELT30S**

#### **ENGLISH LANGUAGE ARTS COMPREHENSIVE FOCUS 30S (ELA30S) (1 credit)**

Students explore a range of texts and work to develop their literacy skills. The texts studied in Comprehensive Focus enhance students' skill in reading and appreciation of a range of forms, genres, and media, and they learn the conventions of a range of pragmatic (practical; business-like) and aesthetic (artistic; creative) forms. Of the various texts students read and produce within the Comprehensive Focus, approximately 50 percent are aesthetic and 50 percent pragmatic.

#### **ENGLISH LANGUAGE ARTS LITERARY FOCUS 30S (ELT30S) (1 credit)**

Students explore a range of texts, with an emphasis on texts that accomplish aesthetic purposes: texts that use language primarily to capture and represent experience, feelings, or vision and to create an imagined reality. Of the various texts students read and produce within the Literary Focus, approximately 70 percent are aesthetic and 30 percent pragmatic.

#### **HISTORY 30F (HIS30F) (1 credit)**

Canada: A Social and Political History

This course deals with the major historical events that have shaped Canada's evolution to modern conditions. The main focus is on social conditions and then on the political events. Each unit has a dominant theme and the material of that theme is developed chronologically. The themes include: The Peopling of Canada; New Societies to 1867; Canadian Parliamentary Government; Social and Economic Changes in Modern Canada; Prairie Canada; Manitoba and Its Development; and Canada's International Relations. For all topics the general aim is to broaden the students' understanding of the contemporary Canadian identity. The course is designed to provide students with the opportunity to exercise and to improve critical thinking and to further develop communication skills.

### **MATH – CHOOSE ONE: APP30S, EMA30S or CAL30S**

#### **APPLIED MATHEMATICS 30S (APP30S) (1 credit)**

**\*Pre-requisite: Applied/Pre-Calculus Mathematics 20S (APC20S) – 65% minimum recommended in APC20S**

Grade 11 Applied Mathematics 30S is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It promotes the learning of numerical and geometrical problem-solving techniques as they relate to the world around us. Primary goals of Applied Mathematics are to have students develop critical-thinking skills through problem-solving and model real-world situations to make predictions. Technology is an integral part of both learning and assessment of Applied Mathematics.

**Topics include:** Measurement, Geometry, Logical Reasoning, Statistics, Relations and Functions

#### **ESSENTIAL MATHEMATICS 30S (EMA30S) (1 credit)**

**\*Pre-requisite: Grade 10 Mathematics credit (EMA20S)**

Grade 11 Essential Mathematics 30S is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Essential Math 30S is a one-credit course consisting of two half-credits each emphasizing decision-making, problem-solving, consumer applications and spatial sense. Students are expected to work both individually and in small groups on mathematics concepts and skills encountered in a technological society.

**Topics include:** Interest & Credit, 3-D Geometry, Statistics, Analysis of Games and Numbers, Managing Money Patterns & Relations, Trigonometry and Design Modelling.

### PRE-CALCULUS 30S (CAL30S) (1 credit)

**\*Pre-requisite: Applied /Pre-Calculus Math 20S (APC20S) – 65% minimum recommended in APC20S**

Grade 11 Pre-Calculus Mathematics (30S) designed for students who intend to study science, calculus, and related mathematics during their post-secondary education. The course is comprised primarily of a high-level study of theoretical mathematics with an emphasis on problem solving, and mental mathematics, as well as cumulative exercises and testing. Students are required to learn mathematical concepts through practice and regular homework. Many of the questions and problems on exercises, tests, and examinations are expected to be original or different from those presented in class. **Topics Include:** Sequences and Series, Trigonometry, Quadratic Functions and Equations, Radical Expressions and Equations, Rational Expressions and Equations, Absolute Value and Reciprocal Functions, Inequalities, Systems of Equations

### **PHYSICAL EDUCATION – CHOOSE ONE: PED30F, ABF30F, ALF30F, PDF30F or PEH30F**

#### PHYSICAL EDUCATION 30F (PED30F) (1 credit)

This is a compulsory full credit course, of which 50% is delivered in class and 50% (55 hours) is completed outside of scheduled classes. Students will be required to keep a log of their physical activities for their out-of-class component. A CPR health unit will be included. This course will be evaluated on a complete/incomplete basis. **This course cannot be taken in addition to ABF30F, ALF30F, PDF30F or PEH30F.**

#### PHYSICAL EDUCATION – ADVANCED BASKETBALL FOCUS 30F (ABF30F) (1 credit)

This course is ideal for students who wish to pursue and develop their personal potential and knowledge of the sport of basketball. This course meets all of the Physical Education requirements for Grade 11. This course will involve two major units: Theory & Sport Acquisition Skills. Topics in the theory section will include: sport psychology, sport nutrition, advanced technical and tactical basketball concepts, biomechanics of basketball movements (video analysis), and the core curriculum of the general physical education program for Grade 11. The sport acquisition unit will focus on the following areas: basketball specific movements/fundamentals, individual/team skills, and advanced weight training and conditioning. Opportunities to coach or officiate in the community will be provided to any interested students. **This course cannot be taken in addition to PED30F, ALF30F, PDF30F or PEH30F.**

#### PHYSICAL EDUCATION ACTIVE LIVING FOCUS 30F (ALF30F) (1 credit)

Do you want to choose how to be active on your own terms? Do you want to focus on you? This student-focused course will engage students in physical activities that encourage lifelong fitness, health, and wellness. The course will provide an alternative to the Phys. Ed. model already in place. The course has a more individualized approach where student participation and voice are encouraged and welcomed.

Students will be empowered to make choices that will help them to develop positive behaviours in fitness, wellness, and physical activity for life in and out of high school. Topics and activities will include, but are not limited to: fitness management, nutrition, mental health, sexuality education, the media and the body, substance use and abuse prevention, swimming, bowling, yoga, Pilates, fitness training, leadership, dance, self-defence, and stress management. There will be a balance of classroom and gym time allocated to the various physical activities chosen. **This course cannot be taken in addition to PED30F, ABF30F, PDF30F or PEH30F.**

#### PHYSICAL EDUCATION DANCE FOCUS 30F (PDF30F) (1 credit)

The primary focus of Dance Focus is on dance movement, vocabulary and technique. Students will also develop proficiency in performance, creativity within their own choreography, and develop their capacity for critical response. Students will explore a variety of dance styles, including Ballet, African, Jazz, Contemporary and Hip Hop.

Students will complete the health and personal planning portion of the Physical Education class through the study of fitness management, mental health, substance use, and abuse prevention, as well as the social impact of sport. The physical activity component of the course will be satisfied within class time. Students may take Dance 30S provided they have prior approval from the teacher. **This course cannot be taken in addition to PED30F, ABF30F, ALF30F or PEH30F.**

### PHYSICAL EDUCATION – HOCKEY FOCUS 30F (PEH30F) (1 credit)

Through Physical Education – Hockey Focus, students will earn their Physical Education credit through the lens of hockey. On-ice sessions will aim to develop knowledge and individual skills as it relates to the game of hockey, with off-ice sessions aiming to improve athletic movement and physical conditioning. This course splits time between Maples Collegiate and Maples Arena throughout the semester. The classroom component will be an opportunity for students to engage in learning material surrounding healthy lifestyles with the focus of transferring this knowledge to their on-ice performance. Previous hockey experience and access to full equipment is strongly recommended for students interested in Hockey Focus Phys Ed. **This course cannot be taken in addition to PED30F, ABF30F, PDF30F or ALF30F.**



*Football*

## ELECTIVES COURSES

### ACCOUNTING ESSENTIALS 30S (ACC30S) (1 credit)

Accounting Essentials 30S introduces students to basic accounting principles and practices. This course places an emphasis on accounting for service businesses, as students learn the stages of the accounting cycle. Students learn how businesses acquire, assemble, record and report financial information to members, managers, owners, bankers and government.

Since many occupations and careers require some knowledge in accounting, this course is recommended for all students. Students interested in pursuing post-secondary studies in business will benefit considerably from this course.

### ART 30S (ART30S) (1 credit)

The Grade 11 art program will develop students understanding of the work they create and how it relates to the world around them. Students will investigate the connection between the process and message of art making, and the media that is used to create it (i.e. why is it important to say something in an artwork a certain type of art material?) This course is intended for students who have a serious passion and background in art – a basic knowledge of art media, movements and artistic vocabulary is required.

### ASTRONOMY 30S (AST30S) (1 credit)

This course is open to students in grades 10 – 12, and it is quite literally out of this world! The course is broken down into three units that will explore current topics of astronomy through these three questions; what is science? How is science conducted? And, how is science communicated? Students will study the components of the solar system, galaxy and universe to gain a deeper understanding. Students will study how the scientific process has led to our current understanding of the universe. Students will have the opportunity to take images from remote telescopes and participate in field-trips.

\*For students who want an extra challenge and different science experience in Astronomy 30S, there is the opportunity to do independent studies and research.

### BAND 30S (MBD30S) (1 credit)

**\*Pre-requisite: Band 20S or permission of the instructor**

This course is a continuation of Band 20G and offers students the opportunity to play in a concert band. Some theory, history, and aural skills will be dealt with through playing and performing. The students will learn to perform in a group setting, which builds confidence in individual ability, and expressiveness through an appreciation for music. The instrumentation for band includes brass, woodwind and percussion instruments. The course is offered for the entire year. Participation in concerts and festivals will be required for this course and will be used in evaluation.

### BAND – JAZZ BAND 30S (JDB30S) (1 credit)

**\*Pre-requisite: Audition, Co-requisite: Grade 11 Band (MBD30S) or permission of the instructor**

Do you love to play your instrument but would like to learn all about Jazz, Latin, and Jazz/Rock music? These bands of 15-25 meet through the year earning one credit. The instrumentation for Jazz Band includes saxophone, trumpet, trombone, piano, bass, guitar, and drums. Students will learn the basics of jazz improvisation on their instrument as well as how to play as a big band. Please be aware that we rehearse every second lunch hour throughout the year. Performance at concerts and festivals, including the Brandon Jazz Festival, is required and forms a basis for evaluation.

### BAND – JAZZ IMPROVISATION 30S (JAZ30S) (1 credit)

**\*Pre-requisite: One year of Jazz Band**

Unleash your creativity! Learn how to play jazz without written music. This is what jazz is all about! This full credit course is open to Grade 10 to Grade 12 students interested in learning the rewarding art of improvisation. This course takes place outside of the timetable. It's worth the trip!

### BIOLOGY 30S (BIO30S) (1 credit)

**\*Pre-requisite: Science 20F (SCI20F)**



This is a fascinating course in Biology of the human body. It will deal with all of the major systems of the human body; its parts, how they work, and illnesses. Course work may include microscope work and some basic chemistry and research work, including diagrams about parts of the human body.

### CAREER DEVELOPMENT (CDI40G & RIT30S) (2 Credits)

The Career Development Program is an opportunity for Grade 11 and 12 students to gain valuable experience in a workplace or career of their choice. Students are scheduled in periods C and D during either Semester 1 or Semester 2. Career Development is a two credits course and on completion students receive one credit in Career Development Internship 40G and one credit in Reading is Thinking 30S.

### CHANNEL 7 OAKS INTERNET TELEVISION 40S/30S (TV240S/TV330S) (2 credits)

***\*This class is offered every other day at lunch and during live productions, afternoons and evenings.***

Be a part of this unique award-winning television station. All students become crewmembers in the Channel 7 Oaks ([www.channel7oaks.org](http://www.channel7oaks.org)) Production Company. Members of Channel 7 Oaks Internet Television learn the essentials of television production. Members work in a professional television environment learning how to create live programming in an Internet television station. In this course students will work to learn skills in television news filed reporting. Students will discuss news items for various media platforms. Concepts in newsgathering, reporting, production, camera operations and post-production editing will be discussed. In addition, students will work in a multi-camera environment both in a professional studio setting and in the filed learning how to create and produce live broadcast programming. Be a part of shows such as "LIVE AT STUDIO ONE", or "THE C7O SPORTS REPORT". Be creative and produce your own show! Work with our athletics program, our music and drama programs, and our dance program to produce quality programming. Be a part of the production teams that "shoot" all the big shows at Maples Collegiate. Each production company consists of Directors, Switchers, Audio Techs, Camera Operators, Teleprompter Operators, Script Writers, Lighting Techs, CG Techs and of course the On Screen Personalities. Learn the world production switching, direct your own show, light a set and build graphics. Produce shows with virtual sets using special effects in front of a wall-to-wall GREEN SCREEN. Channel 7 Oaks Television meets every other day during lunch. For avid television and filmmakers, take FILM AND BROADCASTING (FAB30S) as well, It is a great fit!

### CHEMISTRY 30S (CHE30S) (1 credit)

***\*Pre-requisite: Science 20F (SCI20F) and Intro to Applied & Pre-Calculus Math (APC20S)***

Chemistry 30S continues to develop the building blocks of chemistry from the Science 10F and 20F courses. The course stresses awareness of the impact of chemistry on technology, society, and the environment. This is achieved through topics including the Kinetic Molecular Theory, gas laws, isotopes, moles, stoichiometry, solutions, and organic chemistry. Valuable skills are obtained through instruction, labs, and research for Chemistry 40S and beyond. Pre-Calculus 20S is recommended. Students should have strong ability in abstract reasoning, algebra, and reading comprehension. This course is a pre-requisite for Chemistry 40S.

### CHAMBER CHOIR 30S (CHC30S) (1 credit)

***\*Pre-requisite: Audition, co-requisite – Choir 30S (CHO30S) or permission of the instructors***

The Maples Collegiate Chamber Choir is a performance-based ensemble for students interested in being challenged to sing more challenging choral repertoire. Performance learning will be complemented with learning music theory, music history, and making social connections to contemporary culture. The Chamber Choir has many opportunities to perform at various venues and events throughout the academic year.

### CHOIR 30S (CHO30S) (1 credit)

***\*Pre-requisite: CHOIR 20S (CHO20S) or permission of instructors***

This is the Senior Concert Choir. This course takes place every second lunch hour, all year. We sing SATB (4-8 part) songs in many styles. There are opportunities to perform at school concerts, Manitoba Chorfest, The Winnipeg Music Festival, Arts in the Park, community events, etc. Choir 20S is a pre-requisite for this class. If you do not have a CHO20S credit, you may take this class only with permission of the instructors. You are welcome to enroll in CHO20S, which has no pre-requisite.

### CHOIR – VOCAL JAZZ 30S (VJZ30S) (1 credit)

***\*Co-Requisite, Concert Choir***

Both "Baby Sugar" and "Maple Sugar" are auditioned jazz ensembles, with auditions being held in May. If it is your second year in vocal jazz, you will receive the 30S credit regardless of whether you are in grade 11, or 12. In order to be in a vocal jazz group, you also need to register for Concert Choir. The groups sing a variety of jazz

styles including swing, Latin, and ballads, and perform at Choralfest, the Brandon Jazz festival, Arts in the Park, and many school functions.

### **CLOTHING AND TEXTILE DESIGN 30S (CLO30S) (1 credit)**

Students will expand upon their sewing/construction skills in constructing their practical projects. Students will complete major construction projects together as a class as well as their own choice projects individually. We focus on careers related to the clothing and textile design field of study and the history of fashion. Students will focus on recycling, reusing, and sustainable fashion. We will focus on both practical applied skills (sewing machines, sergers, embroidery machine, etc) and a theory and research component.

### **COMPUTER SCIENCE 30S (CSC30S) (1 credit)**

Computer Science 30S uses the C++ language for problem-solving.

This is an intermediate language, which is more demanding of the students' abilities. This language is widely used in software engineering. Students are introduced to the concept of Object Oriented Programming.

Students are required to have a good foundation in science and/or mathematics.

### **CURRENT TOPICS IN SCIENCE 30S (CTS30S) (1 credit)**

Current Topics in Science will be taught with a sustainable focus for students interested in the environment, energy, land-based learning, current and future practices in agriculture, food and nutrition, and technology for a more sustainable future. The course will cover general concepts related to ethics, technology and society. The interests of the students will dictate some of the content taught throughout the course. Students will participate in project based learning that will create sustainable practices within the school and community. Strong interest in the course will allow us to offer interdisciplinary Topics in Science 40S.

### **DANCE 30S (DAN30S) (1 credit)**

This course is intended for students who are interested in studying and performing jazz dance. Jazz dance is an umbrella term that can refer to many different dance styles. In addition to studying traditional jazz technique, an introduction to African, hip-hop, lyrical, modern/contemporary, and street jazz will also be explored.

### **DRAFTING TECHNOLOGY 30G (DFT30G) (1 credit)**

Drafting Technology 30G is an introduction to the area of architectural drafting and design. The main focus of the course is to explore fundamental aspects of design along with futuristic and energy- efficient building construction. The course offers continued experience in the CAD program Auto-Architect.

### **DRAMA 30S (DRA30S) (1 credit)**

Drama 30S students will put their imaginations to the test as they explore comic characters, masks, improvisation, mime and stage combat, movement and dance, script/scene writing, and voice work. A public performance created by the class will be presented at the end of the course.

### **DRAMA – IMPROVISATIONAL THEATRE 35S (IMP35S) (.5 CREDIT)**

Do you like to think on your toes? Are you the class clown? Are you always inventing strange characters and hilarious stories to amuse your friends? Then this half-credit course is right up your alley. We will focus on techniques, styles, and forms of improvisational theatre, including Improv games and theatre sports, character and plot developments and both short and long-form improvisational styles. Sketch and stand-up comedy will also be examined. Students in the class may wish to form a team for the Manitoba High School Improv League, or present their work to a school or community audience at the end of the course.

### **ELECTRONICS 30G (ELE30G) (1 credit)**

The 30G course builds upon basic skills acquired in the 20G course to deepen students understanding of electrical systems. This is achieved through hands-on projects that allow students to understand how we can manipulate this power in such a way to better our lives. Students will build their own circuit boards and chassis and design their own tethered robots in order to complete a set of challenges. Course material will be delivered in a variety of ways and include research work, written work, lab testing, and self-initiated projects.

### **FAMILY STUDIES 30S (FST30S) (1 credit)**

Family Studies 30S focuses on childhood development at the school age level. Students will learn about development needs, effective care, communication and positive interactions with children. The skills and knowledge that students gain will provide them the opportunity to make informed decisions related to parenting,

relationships, and families. The course also includes a practicum experience in kindergarten to grade 5 classes in local elementary schools.

### FILM AND BROADCAST 30S (FAB30S) (1 credit)

#### **MADE A FILM LATELY? CAN YOU FLY LIKE SUPERMAN? GOT IMAGINATION?**

Start working immediately in the nitty-gritty world of television and film production. Strong editing skills and an understanding of effective post-production is essential in broadcast media. It's all hands-on! Members of the FAB group learn the powerful fundamentals of video editing, developing visual FX, green screening, and working with virtual sets. FAB members will learn to setup and work with non-linear editing software, the importance of file management, and learn the fundamentals of importing and exporting media. FAB members will also learn concepts in audio recording and production. Use high-powered fans, moving cloud backgrounds, giant green screens and a superman costume and you can create your own superman episode. Imagination becomes reality in film! FAB members work in production groups and individually. Many students who are in the FAB group also take CHANNEL 7 OAKS INTERNET TELEVISION 30S (TV240S).

### FOODS AND NUTRITION 30S (FNT30S) (1 credit)

Grade 11 Food and Nutrition focuses on the individual within the community and Canada, including the influence regions have on our food choices and personal practices. Students will be exposed to food and production in Manitoba and examine food availability within Manitoba. Students will analyze the nutritional composition of food and reflect on their own nutritional choices. This course provides opportunities for students to apply food preparation skills in a practical setting.

### FRENCH 30S (FRE30S) (1 credit)

#### **\*Pre-requisite: Grade 10 French (FRE20F) or permission of the instructor**

French can open many doors to a new career, a government position, a vibrant culture, and travel. Communication is the main focus. Students develop fluency to be able to understand and convey their own ideas and thoughts in everyday situations.

### GRAPHICS 30G (GRA30G) (1 credit)

#### **\*Pre-requisite: Grade 10 Graphics (GRA20G) or permission of the instructor**

Graphic Design is a broad term. In this course we look at how broad; tall; wide; & deep the term really is. This course focuses on how to make 2D designs, 3D. Possible units of study: Industrial Design, customizing urban toys...

### INDIGENOUS PEOPLES OF THE WORLD 31G (IDP30S) (1 credit)

The Indigenous Peoples of the World course will examine the experiences of Indigenous peoples in our global community. Some of the topics that will be explored include: Indigenous Communities of the World, Stereotypes, Colonization, Residential Schools (a global perspective), as well as similarities and differences between the Indigenous peoples of the world and Indigenous people of Canada. This course requires a fair amount of reading, writing, and class discussions.

### METAL TECHNOLOGY 30G (MET30G) (1 credit)

#### **\*Pre-requisite: Grade 10 Metals (MET20G) or permission of the instructor**

Metal Technology 30G/40S is an enriched course offering a more practical approach to modern metal technology. Advanced techniques in all areas of metal forming, as well as advanced techniques in welding and machining will be the major emphasis of this course. Students enrolled in the 30G/40S course are required to create student-initiated projects using skills obtained in this subject area. Metal Technology 30G/40S is open to all students. However, if you do not have the prerequisite MET30G, you will automatically be placed in this program.

### MUSICAL THEATRE PERFORMANCE (MTP30S) (1 Credit)

Musical Theatre Performance is an exploration of performing a Musical. Students will study Acting, Dancing, and Singing to develop their storytelling. If you haven't been in a musical no problem, we'd love to have you be a part of our growing community! **This is an auditioned class.** Students will learn Musical Theatre Literacy and Etiquette along with performing with a cast on a full-scale musical.

### MUSICAL THEATRE BACKSTAGE (MBS30S) (1 Credit)

Students in this course will have hands-on instruction in the set up and operation of sound systems and lighting grids, virtual backgrounds, set building, set painting and set moving of the Maples Collegiate's Musical



Production. Attention will also be given to how set design interacts with tech. set up. Requirements for this course will involve instruction and practicum time outside of the regular timetable. Students are expected to demonstrate responsibility, safety, and reliability throughout the program.

### PHYSICS 30S (PHY30S) (1 credit)

**\*Pre-requisite: Grade 10 Science (SCI20F) and Intro to Applied & Pre-Calculus Math (APC20S)**

Physics 30S is an introductory physics course that focuses on a broad range of physics topics and gives students a solid theoretical background for Physics 40S. There is a major mathematical component to the course and it is strongly advised that students are in Pre-Calculus Mathematics. The course covers how and why objects move (kinematics and dynamics), gravitational, electrical, and magnetic fields, light, scientific laws and theories, and waves.

### POWER MECHANICS 30S (PME30S)

**\*Pre-requisite: Power Mechanics Grade 10 (PME20S)**

The Power Mechanics program is designed to provide the learner with a solid foundation for a successful and safety-conscious career in the automotive technology field. Industry standards are emphasized to promote career success. The Power Mechanics vocational program is equivalent to a 1st level Automotive Mechanic Apprenticeship program. Upon successful completion of the 3-year program, the learner may be granted the status of a Manitoba Department of Education and Training 1st Level Automotive Mechanic Apprentice. (See also Power Mechanics Automotive Technology).

### SOFTWARE APPLICATIONS 35S (SAP35S/RDB35S) (1 credit)

**\*This course is a combination of 2 half credits: Relational Databases 35S & Data Collection & Analysis 35S**

Previous knowledge in computer software is strongly recommended. If you're looking for a course that will provide you with real-world skills that will be applicable to nearly any job or career out there, Software Applications is for you! This program has been designed to promote student competencies in computer software programs, which will be an asset to students in all aspects of their lives. Students will acquire hands-on computer software experience on advanced features of spreadsheets (Microsoft Excel) and Database Management (Microsoft Access). A theory-based overview of software will be provided as well as a comprehensive practical approach, which will provide students with the skills and knowledge to collect, manipulate, and analyze information to solve problems.

### THEATRE PRODUCTION TECHNOLOGY 30S (TPT30S)

**\*This class offered every other day after school**

This is your backstage pass to the world of sound and lighting! Students in this course will have hands-on instruction in the set up and operation of sound systems and lighting grids, as well as in maintenance and repair of a variety of sound and lighting components. Attention will also be given to how set design interacts with tech. set up. Requirements for this course will involve instruction and practicum time outside of the regular timetable. This will include the set-up, operation and tear down of sound and lighting equipment for a number of dramatic and musical productions at Maples Collegiate and throughout the school division. Students are expected to demonstrate responsibility, proper safety procedures, and reliability throughout the program.

### WIND ENSEMBLE (WND30S) (1 credit)

The Wind Ensemble is a small, select concert Band comprised of the top players on their respective instruments from different grade levels. The Wind Ensemble is designed for students who desire an additional challenge beyond their grade level concert band. Students from all grade levels are integrated into this ensemble and share a common passion for music making and artistic development. The membership of this ensemble is determined by the Band Director. The group rehearses Tuesday and Thursday from 3:45 PM – 5:30 PM and mandatory sectionals (approx. 1 or 2 per month) take place during lunch hour.

### WOODS – FURNITURE DESIGN TECHNOLOGY 30G (WDS30G) (1 credit)

This is an intermediate level course with emphasis on design, planning, and construction of furniture and cabinet projects. Students learn how basic sub-assemblies are combined into more complex projects. They design and build an item of furniture useful for their own environment. Advanced power tool processes and a variety of wood finishes are experienced. Student-designed products have included desks, long case clocks, and furniture for bedrooms, living, and dining rooms.

# GRADE 12

## COMPULSORY COURSES

### **ENGLISH – CHOOSE ONE: ELA40S or ELT40S**

ENGLISH 40S COMPREHENSIVE FOCUS 40S (ELA40S) (1 credit)

**\*CAN BE USED AS SECOND ENGLISH CREDIT or COMPULSORY ENGLISH CREDIT**

This course encourages students to acquire language and literacy skills through listening, speaking, viewing, representing, reading, and writing. Students are required to use these skills to explore ideas, comprehend language and communication, manage information, enhance the artistry of their communication, and build community. This course focuses on the use of language for both practical and creative purposes.

ENGLISH LANGUAGE ARTS LITERARY FOCUS 40S (ELT40S) (1 credit)

**\*CAN BE USED AS SECOND ENGLISH CREDIT or COMPULSORY ENGLISH CREDIT**

Students explore a range of texts, with an emphasis on texts that accomplish aesthetic purposes: texts that use language primarily to capture and represent experience, feelings, or vision and to create an imagined reality. Of the various texts students read and produce within the Literary Focus, approximately 70 percent are aesthetic and 30 percent pragmatic

### **MATH – CHOOSE ONE: EMA40S, APP40S or CAL40S**

ESSENTIAL MATHEMATICS 40S (EMA40S) (1 credit)

**\*Pre-requisite: Grade 11 math credit**

Grade 12 Essential Mathematics 40S is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Essential Math 40S is a one-credit course consisting of decision-making, as well as number sense and number use. Students are expected to work both individually and in small groups on mathematics concepts and skills encountered in a technological society.

**Topics include:** Analysis of Games and Numbers, Vehicle Finance, Home or Business Finance, Statistics, Precision Measurement, Career Life, Geometry, Trigonometry and Probability.

APPLIED MATHEMATICS 40S (APP40S) (1 credit)

**\*Pre-requisite: Applied Math 30S (APP30S) – 65% minimum recommended**

Grade 12 Applied Mathematics 40S is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It is context-driven and promotes the learning of numerical and geometrical problem solving techniques as they relate to the world around us.

The goals of Applied Mathematics are:

- Students will develop critical-thinking skills through problem-solving;
- Students will model real-world situations mathematically to make predictions;
- Students will use technology to learn new mathematical content;
- Students will use metric and imperial units of linear measure.

Topics include: Exponential and Logarithmic Functions, Personal Finance, Design and Measurement, Permutations and Combinations, Vectors, Probability Applications of Sinusoidal (Periodic) Functions, Research Project, and Polynomial Functions

PRE-CALCULUS 40S (CAL40S) (1 credit)

**\*Pre-requisite: Pre-calculus 30S (CAL30S) – 65% minimum recommended**

Grade 12 Pre-Calculus Mathematics (40S) is designed for students who intend to study science, calculus, and related mathematics as part of their post-secondary education. The course is comprised primarily of a high-level study of theoretical mathematics with an emphasis on problem-solving, “mental mathematics”, as well as cumulative exercises and assessment.

Topics include: Circular Functions, Transformations, Trigonometric Identities, Exponents and Logarithms, Permutations/Combination, Binomial Theorem, Polynomial, Radical, and Rational Functions.

### ***PHYSICAL EDUCATION – CHOOSE ONE: PED40F, ABF40F, ALF40F, PDF40F or PEH40F***

#### **PHYSICAL EDUCATION 40F (PED40F) (1 credit)**

This is a compulsory full credit course, of which 50% is delivered in class and 50% (55 hours) is completed outside of scheduled classes. Students will be required to keep a log of their physical activities for their out-of-class component. A health unit will be included. This course will be evaluated on a complete/incomplete basis.

**Activities:** Here are only some of the many activities offered in regular Phys. Ed. classes: aerobics, tae-bo, yoga, ice hockey, floor hockey, soccer, flag football, ultimate frisbee, badminton, self-defence, fishing, curling, archery, golf, basketball, volleyball, lawn bowling, lacrosse, cricket, low-organized games, weight training, racquetball, swimming, cycling, bowling, x-country and downhill skiing, walking, roller-blading, fitness centre, hiking, horseback riding, table tennis, tobogganing, billiards, etc. **This course cannot be taken in addition to ABF40F, ALF40F, PDF40F or PEH40F.**

#### **PHYSICAL EDUCATION – ADVANCED BASKETBALL FOCUS 40F (ABF40F) (1 credit)**

This course is ideal for students who wish to pursue and develop their personal potential and knowledge of the sport of basketball. This course meets all of the Physical Education requirements for Grade 11 and/or 12. This course will involve two major units: Theory & Sport Acquisition Skills. Topics in the theory section will include: sport psychology, sport nutrition, advanced technical and tactical basketball concepts, biomechanics of basketball movements (video analysis), and the core curriculum of the general physical education program for Grade 11/12. The sport acquisition unit will focus on the following areas: basketball specific movements/fundamentals, individual/team skills, and advanced weight training and conditioning. Opportunities to coach or officiate in the community will be provided to any interested students. **This course cannot be taken in addition to PED40F, ALF40F, PDF40F or PEH40F.**

#### **PHYSICAL EDUCATION – ACTIVE LIVING FOCUS 40F (ALF40F) (1 credit)**

Do you want to choose how to be active on your own terms? Do you want to focus on you? This student focused course will seek to engage students in physical activities that encourage lifelong fitness, health and wellness. The course will provide an alternative to the Phys. Ed. model already in place. The course will take on a more individualized approach where student participation and voice is encouraged and welcomed. Students will be empowered to make choices that will help them to develop positive behaviours in fitness, wellness, and physical activity for life in and out of high school. Topics and activities will include, but are not limited to: fitness management, nutrition, mental health, sexuality education, the media and the body, substance use and abuse prevention, swimming, bowling, yoga, Pilates, fitness training, leadership, dance, self-defence, and stress management. There will be a balance of classroom and gym time allocated to the various physical activities chosen. **This course cannot be taken in addition to PED40F, ABF40F, PDF40F or PEH40F.**

#### **PHYSICAL EDUCATION – DANCE FOCUS (PDF40F) (1 credit)**

The primary focus of Dance Focus is on dance movement, vocabulary and technique. Students will also develop proficiency in performance, creativity within their own choreography, and develop their capacity for critical response. Students will explore a variety of dance styles, including Ballet, African, Jazz, Contemporary and Hip Hop.

Students will complete the health and personal planning portion of the Physical Education class through the study of fitness management, mental health, substance use, and abuse prevention, as well as the social impact of sport. The physical activity component of the course will be satisfied within class time. Students may take Dance 40S provided they have prior approval from the teacher. **This course cannot be taken in addition to PED40F, ABF40F, ALF40F or PEH40F.**

#### **PHYSICAL EDUCATION – HOCKEY FOCUS 40F (PEH40F) (1 credit)**

Through Physical Education – Hockey Focus, students will earn their Physical Education credit through the lens of hockey. On-ice sessions will aim to develop knowledge and individual skills as it relates to the game of

hockey, with off-ice sessions aiming to improve athletic movement and physical conditioning. This course splits time between Maples Collegiate and Maples Arena throughout the semester. The classroom component will be an opportunity for students to engage in learning material surrounding healthy lifestyles with the focus of transferring this knowledge to their on-ice performance. Previous hockey experience and access to full equipment is strongly recommended for students interested in Hockey Focus Phys Ed. **This course cannot be taken in addition to PED40F, ABF40F, PDF40F or ALF40F.**



*Running Team*

## ELECTIVES COURSES

### ACCOUNTING SYSTEMS 40S (ACC40S) (1 credit)

**\*Pre-requisite: Accounting Essentials 30S (ACC30S).**

Accounting Systems is an extension of Accounting Essentials 30S. This course is designed to further the students' studies in the area of financial accounting, which will enable them to explore accounting as a possible profession. The emphasis in this course is merchandise accounting and the introduction to corporate accounting. Students will have the opportunity to use appropriate software to complete the accounting cycle and learn to apply functions and formulas to complete accounting documents.

This course would be especially beneficial for those students who anticipate further studies in business management, entrepreneurship or, who are contemplating a career in accounting.

### ART 40S (ART40S) (1 credit)

**\*Pre-requisite: Grade 11 Art (ART30S) or permission of the instructor**

This final course in the Maples Collegiate Art program will allow students to fully explore and refine their artistic voice. Building on the knowledge and skills learned in ART30S, students will be given opportunity to independently discover and explore their artistic voice in ways that are meaningful to their artistic practice. Students will connect creating work and connecting and responding to art and the culture and history that influence it. Students who are planning to apply to a post-secondary art school will be given opportunities to build their portfolio for application. This course is intended for students who have a serious passion and background in art – a basic knowledge of art media, movements and artistic vocabulary is required.

### ASTRONOMY 30S (AST30S) (1 credit)

This course is open to students in grades 10 – 12, and it is quite literally out of this world! The course is broken down into three units that will explore current topics of astronomy through these three questions; what is science? How is science conducted? And, how is science communicated? Students will study the components of the solar system, galaxy and universe to gain a deeper understanding. Students will study how the scientific process has led to our current understanding of the universe. Students will have the opportunity to take images from remote telescopes and participate in field-trips.

\*For students who want an extra challenge and different science experience in Astronomy 30S, there is the opportunity to do independent studies and research.

### BAND 40S (MBD40S) (1 credit)

This course is a continuation of Band 30S and offers students the opportunity to play in a concert band. Some theory, history, and aural skills will be dealt with through playing and performing. The students will learn to perform in a group setting, which builds confidence in individual ability, and expressiveness through an appreciation for music. The instrumentation for band includes brass, woodwind and percussion instruments. The course is offered for the entire year. Participation in concerts and festivals will be required for this course and will be used in evaluation.

### BAND – JAZZ BAND 40S (JBD40S) (1 credit)

**\*Pre-requisite: Audition, Co-requisite: Band 40S or permission of the instructor.**

Do you love to play your instrument but would like to learn all about Jazz, Latin, and Jazz/Rock music? These bands of 15-25 meet through the year earning one credit. The instrumentation for Jazz Band includes saxophone, trumpet, trombone, piano, bass, guitar, and drums. Students will learn the basics of jazz improvisation on their instrument as well as how to play as a big band.

We rehearse every second lunch hour throughout the year. Performance at concerts and festivals, including the Brandon Jazz Festival, is required and forms a basis for evaluation.

### BAND – JAZZ IMPROVISATION 40S (JAZ40S) (1 credit)

**\*Pre-requisite: One year of Jazz Band or permission of the instructor**

Unleash your creativity! Learn how to play jazz without written music. This is what jazz is all about! This full credit course is open to Grade 10 to Grade 12 students interested in learning the rewarding art of improvisation. This course takes place outside of the timetable. It's worth the trip!

### BIOLOGY 40S (BIO40S) (1 credit)

**\*Pre-requisite: Grade 10 Science (SCI20F). Grade 11 Biology (BIO30S) is recommended.**

This biology course revolves around the study of chromosomes (genetics), their associated functions, and processes and resulting inherited characteristics. Units include gene action (DNA/RNA/PROTEIN SYNTHESIS), human genetics, evolution, and diversity of living things.

### **BUSINESS MANAGEMENT 40S (MAN40S) (1 credit)**

Business Management is the course you need to become a stronger, more effective and efficient leader! Throughout this course, students will learn the basic tenants of planning, leading, organizing, and controlling in order to meet organizational objectives. Students will be introduced to various managerial theories, resource management, ethical concerns, and human resource issues involved in the day to day operation of business. This course will give you the tools you need to further develop your skills in business management and ownership.

### **CANADIAN LAW 40S (LAW40S) (1 credit)**

The grade 12 Canadian Law course gives students the opportunity to explore major components within Canadian Law, such as: Foundations of Law, the Canadian Charter of Rights and Freedoms, criminal law, civil law and family law. Students will have the opportunity to develop an enduring understanding of Canadian Law, thus allowing them to better understand the world around them. Students will be given an opportunity to explore various topics through a variety of learning methods, which will include: examining famous and current Canadian legal cases, participating in a mock trial, guest speakers, simulations, and debates. All students would benefit from this course. Students pursuing a career in any legal field will benefit considerably from this course.

### **CAREER DEVELOPMENT (CDI40G & RIT30S) (2 Credits)**

The Career Development Program is an opportunity for Grade 11 and 12 students to gain valuable experience in a workplace or career of their choice. Students are scheduled in periods C and D during either Semester 1 or Semester 2. Career Development is a two credit course and on completion students receive one credit in Career Development Internship 40G and one credit in Reading is Thinking 30S.

### **CHANNEL 7 OAKS T.V. 40S (TV440S/TV540S) (2 credits)**

***\*For University eligibility requirements see Counsellor.***

***\*This class is offered every other day at lunch and during live productions, afternoons and evenings.***

Be a part of this unique award-winning television station. All students become crewmembers in the Channel 7 Oaks ([www.channel7oaks.org](http://www.channel7oaks.org)) Production Company. In this course the Members of Channel 7 Oaks Internet Television learn the essentials of television production. Members work in a professional television environment learning how to create live programming for an Internet television station. In this course students will learn how to initiate and manage the production of live broadcast events. Students will work to build skills in the business practises of media outlets. Students will also work in a multi-camera environment both in a professional studio setting and in the field learning how to create and produce live broadcast programming. Be a part of shows such as "LIVE AT STUDIO ONE" or "THE C7O SPORTS REPORT". Be creative and produce your own show! Work with our athletics program, our music and drama programs, and our dance program to produce quality programming. Be a part of the production teams that "shoot" all the big shows at Maples Collegiate. Each production company consists of Director, Switchers, Audio Techs, Camera Operators, Teleprompter Operators, Script Writers, Lighting Techs, CG Techs and of course the On Screen Personalities. Learn the world production switching, direct your own show, light a set and build graphics. Produce shows with virtual sets using special effects in front of a wall-wall GREEN SCREEN. Channel 7 Oaks Television meets every other day during lunch. For avid television and filmmakers, take FILM AND BROADCASTING (FAB40S) as well. It is a great fit!

### **CHEMISTRY 40S (CHE40S) (1 credit)**

***\*Pre-requisite: Grade 11 Chemistry (CHE30S) and Grade 11 Pre-Calculus (CAL30S)***

This course is an extension of the Chemistry 30S course. The chemistry work is advanced. Topics include Atomic Structure and Bonding, Equilibrium, Reaction Rates, Kinetics, Oxidation and Reduction, Acids & Bases, and Electro-Chemistry. This course involves the development of theoretical ideas, several advanced lab activities and individual problem-solving, for which above average mathematics competence is required. This is an interesting and demanding course that covers a great deal of material.

### **CHOIR 40S (CHO40S) (1 credit)**

This is the Senior Concert Choir. This course takes place every second lunch hour, all year. We sing SATB (4-8 part) songs in many styles. There are opportunities to perform at school concerts, Manitoba Choralfest, The Winnipeg Music Festival Arts in the Park, community events, etc. Choir 30S is a pre-requisite for this class. If

you do not have a CHO30S credit, you may take this class only with permission of the instructors. You are welcome to enroll in CHO20S, which has no pre-requisite.

### CHOIR – CHAMBER CHOIR 40S (CHC40S) (1 credit)

**\*Pre-requisite: Audition, Co-requisite: Choir 40S (CHO40S) or permission of the instructors.**

The Maples Collegiate Chamber Choir is a performance-based ensemble for students interested in being challenged to sing more challenging choral repertoire. Performance learning will be complemented with learning music theory, music history, and making social connections to contemporary culture. The Chamber Choir has many opportunities to perform at various venues and events throughout the academic year.

### CLOTHING AND TEXTILE DESIGN 40S (CLO40S) (1 Credit)

Students will expand upon their sewing/construction skills in constructing their chosen practical projects to create a mini “fashion line” of their own. They take on the role of fashion designer and try their hand at fashion illustration while learning about careers in fashion and design. We focus on Canadian fashion designers, and the fashion industry – sustainability, globalization, and ethical fashion choices. Practical projects will reflect the ability to problem solve as projects are selected by the students. Students will be self-motivated and will assume responsibility for planning, initiating, and evaluating their own project choices. This course is eligible for use as an entrance course for both U of M and U of W.

### COMPUTER SCIENCE 40S (CSC40S) (1 credit)

**\*Pre-requisite: Computer Science 30S or permission of the instructor**

Computer Science 40S builds on the skills and concepts already acquired in the previous courses. Students are introduced to programming in a language widely used in network programming and Internet website development.

**Topics will Include:** advanced algorithms, computer architecture and more detailed studies in Object Oriented Programming - including class development and computer graphics. As part of the course requirement, students will spend a major amount of their class time writing, testing, and debugging programs written in the Java language.

### CURRENT TOPICS IN FIRST NATIONS, MÉTIS AND INUIT STUDIES 40S (IDP40S) (1 credit)

Current Topics in First Nations, Métis and Inuit Studies offers all students, both Aboriginal and non-Aboriginal, the opportunity to enhance their understanding and appreciation of the cultures and traditions, as well as the contemporary realities and aspirations of First Nations, Métis and Inuit cultures in Manitoba, Canada, and the world. This course is designed as a multi-disciplinary course that allows students to explore and develop skills and concepts in the Arts, ELA, Geography, History, Social Studies, and Law.

### DANCE 40S (DAN40S) (1 credit)

This course is intended for students who are interested in studying and performing jazz dance. Jazz dance is an umbrella term that can refer to many different dance styles. In addition to studying traditional jazz technique, an introduction to African, hip-hop, lyrical, modern/contemporary, and street jazz will also be explored.

### DRAFTING TECHNOLOGY 40S (DFT40S) (1 credit)

**\*Pre-requisite: Grade 10 Drafting (DFT20G) or Grade 11 Drafting (DFT30G)**

This course will stress the importance of 3-D Prototype Development in the form of scale model building. Drawings that were constructed in 2-D will be converted to a 3-D format. The course will also explore some of the latest software programs in the form of 3-D home architect and pro engineer.

### DRAMA 40S (DRA40S) (1 credit)

Students will further develop their acting tools via the exploration of modern acting styles and genres, particularly Naturalism, Social Theatre, and Theatre of the Absurd. Students will also hone their dramaturgical skills by both reading and writing a variety of scripts. The course will end with a class-created performance for the public.

### ECONOMIC PRINCIPLES 40S (ECO40S) (1 credit)

If you've ever felt left out when people start talking about “the economy”, whether it's good, bad, or changing, this is the course for you! Economic Principles 40S is designed for students who are interested in economic concepts and exploring how the economy impacts their family and the world around them. Students will learn about different types of economics through theoretical and real-life examples. The course focuses on both microeconomics and macroeconomic principles including topics such as: supply and demand, market



influences, economic life cycle, the global market, and decision making related to economic factors. Students will develop a sense of how they and others contribute to the economic community. All students would benefit from taking this course. It is an excellent course for students interested in pursuing post-secondary studies in the area of business, accounting, or economics.

#### **ELECTRONICS 40S (ELE40S) (1 credit)**

***\*Pre-requisite: Grade 10 Electronics (ELE20G) or Grade 11 Electronics (ELE30G)***

The 40S electricity and electronics course builds on previous knowledge in order to provide an opportunity to work with industry standard software and digital electronics. Students will become aware of career options in the modern electronics field. The 40S Electronics course continues with robotics, residential wiring, computer construction, and advanced digital electronics

#### **FAMILY STUDIES 40S (FST40S) (1 credit)**

Family Studies 40S 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. The following topics are major components in the course: human development, adolescent psychology, self-management, relationships, strengthening the family, family management, the changing family, financial management and the elderly.

#### **FILM AND BROADCAST 40S (FAB40S) (1 credit)**

**MADE A FILM LATELY? CAN YOU FLY LIKE SUPERMAN? GOT IMAGINATION?**

Start working immediately in the nitty-gritty world of film production. It's all hands on! Members of the FAB group learn advanced production techniques of shooting short films and producing documentaries either on location or in the studio. FAB members will learn various job roles and all areas of production. A focus on analysis and critique of various film and documentaries will be observed for an understanding of style, storytelling, and cultural impact. Imagination becomes reality in film! Members work in production groups, in small groups, and individually. Many students who are in the FAB group also take CHANNEL 7 OAKS INTERNET TELEVISION 40S (TV440S)

#### **FOODS AND NUTRITION 40S (FNT40S) (1 credit)**

Grade 12 Food and Nutrition is a critical examination of the individual as a responsible citizen. This course will explore sustainability and ethical practices within food production and access. Students will examine food security and barriers that exist to achieve food security for all people. Students will 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.

#### **FRENCH 40S (FRE40S) (1 credit)**

***\*Pre-requisite: French 30S***

A language is a passport to the world around you. As one of Canada's official languages, French can open many doors to a new career, a government position, a vibrant culture, and travel. Communication is the main focus.

#### **GRAPHIC DESIGN 40S (GRA40S) (1 credit)**

***\*Pre-requisite: Credit in Graphics 20G or Graphics 30G or permission from teacher***

In this course students will undertake more advanced and independent projects. One of the goals of this course is to create a portfolio for University or College bound students. Possible units of study include: Adobe Photoshop, Illustration, and Photography.

#### **ENGLISH LANGUAGE ARTS LITERARY FOCUS 40S (ELT40S) (1 credit)**

***\*CAN BE USED AS SECOND ENGLISH CREDIT or COMPULSORY ENGLISH CREDIT***

Students explore a range of texts, with an emphasis on texts that accomplish aesthetic purposes: texts that use language primarily to capture and represent experience, feelings, or vision and to create an imagined reality. Of the various texts students read and produce within the Literary Focus, approximately 70 percent are aesthetic and 30 percent pragmatic

#### **LANGUAGE AND TRANSACTIONAL FOCUS (ETF40S) (1 credit)**

***\*CAN BE USED AS SECOND ENGLISH CREDIT***

Transactional English focuses on forms of communication that have a specific purpose, such as documenting and reporting information, as well as all forms of persuasive communication. Students who plan to pursue further studies in fields such as business and finance, marketing, journalism, sociology or political science might benefit from this course.

#### LANGUAGE AND TECHNICAL COMMUNICATION (ETC40S) (1 credit)

**\*CAN BE USED AS SECOND ENGLISH CREDIT**

This English elective provides writing opportunities for students who are planning careers in the technological fields of engineering and computers, in the science fields of pharmacy, medicine, nursing, and in the trades as electricians, plumbers, carpenters, painters, pipe fitters, etc. Learning focuses on the written transactions of the workplace such as letters, memos, requests, proposals, progress reports, and incident reports. The objective of this course is to teach students to write clearly and correctly.

#### GLOBAL ISSUES 40S (GIS40S) (1 credit)

Students conduct inquiry into the social, political, environmental, and economic impact of a variety of contemporary and emerging issues in the world. Through their inquiry they focus on questions of quality of life locally, nationally, and globally. This course is based on the principles of active democratic citizenship, ecological literacy, critical media literacy, and ethical decision making, and consolidates learning across the disciplines to empower students as agents of change for a sustainable and equitable future. A component of the course is the planning and implementation of a community-based, action-research project.

#### POPULAR MEDIA 40S: FILM STUDIES (MEX40S) (1 credit)

**\*CAN BE USED AS SECOND ENGLISH CREDIT**

***(This course is a specialized section of LANGUAGE AND TRANSACTIONAL FORMS (ETR40S) focusing on film studies. Students will not be able to register for both MEX40S and ETR40S.)***

This course focuses on forms of communication relating to film such as scriptwriting and other written forms necessary for various stages of film production. Students will view and analyze a range of films spanning various genres in order to develop visual communication skills. Students who intend to pursue further studies in film will benefit from the concepts learned in this course.

#### METAL TECHNOLOGY 30G/40S (MET30G) (MET40S) (1 credit)

**\*Pre-requisite: for Metals 40S is Metals 30G or permission of the instructor**

Metal Technology 30G/40S is an enriched course offering a more practical approach to modern metal technology. Advanced techniques in all areas of metal forming, as well as advanced techniques in welding and machining will be the major emphasis of this course. Students enrolled in the 30G/40S course are required to create student-initiated projects using skills obtained in this subject area. Metal Technology 30G/40S is open to all students. However, if you do not have the prerequisite MET30G, you will automatically be placed in this program.

#### MUSICAL THEATRE PERFORMANCE (MTP40S) (1 Credit)

Musical Theatre Performance is an exploration of performing a Musical. Students will study Acting, Dancing, and Singing to develop their storytelling. If you haven't been in a musical no problem, we'd love to have you be a part of our growing community! **This is an auditioned class.** Students will learn Musical Theatre Literacy and Etiquette along with performing with a cast on a full-scale musical.

#### MUSICAL THEATRE BACKSTAGE (MBS40S) (1 Credit)

Students in this course will have hands-on instruction in the set up and operation of sound systems and lighting grids, virtual backgrounds, set building, set painting and set moving of the Maples Collegiate's Musical Production. Attention will also be given to how set design interacts with tech. set up. Requirements for this course will involve instruction and practicum time outside of the regular timetable. Students are expected to demonstrate responsibility, safety, and reliability throughout the program.

#### PHYSICS 40S (PHY40S) (1 credit)

**\*Pre-requisite: Physics 30S (PHY30S) and Pre-Calculus 30S (CAL30S)**

The Physics 40S course is a continuation of the concepts introduced in Physics 30S. The focus of the 40S course shifts from theory to practical application and problem solving. Therefore, it is imperative that students have a strong mathematics background and a firm understanding of concepts introduced in Physics 30S.

The course will cover kinematics, dynamics, fields and forces, momentum, circular motion, satellite and planetary motion, magnetism, and electricity. In addition, the 40S course introduces a new topic focusing on nuclear medicine and an understanding of radioactivity and decay.

### POWER MECHANICS 40S (PME40S)

**\*Pre-requisite: Power Mechanics Grade 11 (PME30S)**

The Power Mechanics program designed to provide the learner with a solid foundation for a successful and safety-conscious career in the automotive technology field. Industry standards emphasized to promote career success. The Power Mechanics vocational program is equivalent to a 1st level Automotive Mechanic Apprenticeship program. Upon successful completion of the 3-year program, the learner may be granted the status of a Manitoba Department of Education and Training 1st Level Automotive Mechanic Apprentice. **(See also Power Mechanics Automotive Technology).**

### PSYCHOLOGY 40S (PSY40S) (1 credit)

If you have ever wondered why people behave the way they do, then you have thought about psychology. Psychology is the scientific study and analysis of behaviour and thinking. In this course, participants will examine a variety of topics such as:

- Behaviour
- Using our senses
- Stress, coping, and health
- Personality
- Learning, remembering, and forgetting
- Psychological disorders and treatments
- Sleep and dreams

Topics will be examined through a variety of methods including case studies, discussions, lectures, projects, current events, and articles. If you are interested in what makes people tick, this course is for you.

### THEATRE PRODUCTION TECHNOLOGY 40S (TPT40S)

**\*This class is offered every other day after school**

This is your backstage pass to the world of sound and lighting! Students in this course will have hands-on instruction in the set up and operation of sound systems and lighting grids, as well as in maintenance and repair of a variety of sound and lighting components. Attention will also be given to how set design interacts with tech. set up. Requirements for this course will involve instruction and practicum time outside of the regular timetable. This will include the set-up, operation and tear down of sound and lighting equipment for a number of dramatic and musical productions at Maples Collegiate and throughout the school division. Students are expected to demonstrate responsibility, safety, and reliability throughout the program.

### VOCAL JAZZ 40S (VJZ40S) (1 credit)

**\*Co-Requsite, Concert Choir or permission of the instructor**

Both "Baby Sugar" and "Maple Sugar" are auditioned jazz ensembles, with auditions being held in May. If it is your third year in vocal jazz, you will receive the 40S credit. In order to be in a vocal jazz group, you also need to register for Concert Choir. The groups sing a variety of jazz styles including swing, Latin, and ballads, and perform at Choralfest, the Brandon Jazz festival, Arts in the Park, and many school functions.

### WIND ENSEMBLE (WND40S) (1 credit)

The Wind Ensemble is a small, select concert Band comprised of the top players on their respective instruments from different grade levels. The Wind Ensemble is designed for students who desire an additional challenge beyond their grade level concert band. Students from all grade levels are integrated into this ensemble and share a common passion for music making and artistic development. The membership of this ensemble is determined by the Band Director. The group rehearses Tuesday and Thursday from 3:45 PM – 5:30 PM and mandatory sectionals (approx. 1 or 2 per month) take place during lunch hour.

### WOODS – APPLIED TECHNOLOGY 40S (WDS40S) (1 credit)

**\*Pre-requisite: Woodwork Technology 20G or 30G or permission of the instructor**

This is an advanced course for students who have mastered basic skills in product design and planning, and the use of hand and power tools. On an independent study basis, students will design and construct a project of their own choice and design. The emphasis is on self-development and independent work.

**Safety:** In all courses there is a strong emphasis on safe practices with tools, machines, and materials. Students are tested on safety precautions to ensure understanding.

## WORLD RELIGIONS 40S (WOR40S) (1 credit)

The goal of this course is for students to foster an appreciation of the various religious traditions practiced by peoples throughout the world. It is not meant to confront or change a student's own beliefs, but rather to provide students with an objective appreciation for the religions studied. This will be achieved through a comparative study of the beliefs and practices of major world religions and their contributions to each other. Though some time will be dedicated to the study of traditions that are not as widespread, we will focus primarily on Sikhism, Indigenous spirituality, Hinduism, Buddhism, Judaism, Christianity and Islam. A significant amount of time will be dedicated to assessing the impact religion has had on world issues throughout history, with a special focus on current global events.



*Dragon Boat Group*

# ***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?**

University or college course work can begin in Grade 11. Students must have completed 22 high school credits (maintaining a 70% academic average) or have the permission of their school counselor to enroll.

**When are courses offered?**

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.

**What courses may be offered?**

Courses that may be offered include: English, Calculus, Applied computer science, History & Introduction to Indigenous Perspectives.

## ***UNIVERSITY OF WINNIPEG COURSES***

### **CALCULUS (CAL42U)**

University of Winnipeg Course Code: MATH.1103/3

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

This course covers differential calculus of a function of one variable. Topics include: limits, continuity, and the differentiation of algebraic, trigonometric, inverse trigonometric, exponential and logarithmic functions. Applications include curve sketching, optimization problems, and related rate problems. The material taught is equivalent to the material from the University of Winnipeg's MATH-1103 (3) Introduction to Calculus 1. Evaluation will include major unit tests and a three-hour final exam. Students are expected to 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. For example, we might explore how a text was received when originally published and how this reception has changed over time. We will read carefully to uncover what aspects of texts work to generate meaning for us as readers, and how they interact with one another. Students will also look at how they themselves read texts and what their reading process says about themselves as readers. Different genres of literature such as

short fiction, drama, poetry and novels will be studied, 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 will also be placed on formal academic writing skills in anticipation of future work at a university level.

**APPLIED COMPUTER SCIENCE (ACS42U)** (at this time this is the only course offered after school and it is held at one of the high schools in our division)

University of Winnipeg course code: ACS-1903/3

**(Computer Science 40S is strongly recommended)**

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.

**HISTORY- HIST-1013 (3) The Worlds of Asia and Africa Since 1750 (HIS42U)**

*\*Pre-requisite- must have Grade 11 History*

This course introduces students to the broad themes in Asian and African history in the period since 1750 with particular focus on political, economic and social transformations. Major themes may include slavery, trade, urbanization, colonization, resistance to imperialism, nationalism, race, changing roles of women, war, the role of the state, migration and human rights. Students are also introduced to the basics of historical research such as the examination of evidence and interpretations, comparative analysis, and bibliographic and narrative skills.

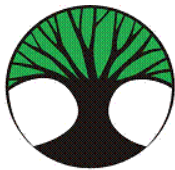
**HISTORY- HIST-1015 (3) The Atlantic World: Europe and the Americas, 1700-1989**

This course introduces students to the broad forces involved in the making of the Atlantic World with a particular focus on social, economic, and political transformations. Major themes may include political revolutions from the 18<sup>th</sup> (French and American) to the 20<sup>th</sup> century (Russian); slavery and abolitionism, industrialization, urbanization, and immigration; the family and changing roles of women; race, imperialism, and colonialism; war and its social legacies; the state, welfare, and human rights. Students are also introduced to the basics of historical research such as the examination of historical evidence and interpretations, comparative analysis, and bibliographic and narrative skills.



**Drafting Class**





## SEVEN OAKS ADULT LEARNING CENTRE 950 Jefferson Avenue

At Seven Oaks Adult Learning Centre, we offer a mature student grade 12 diploma for adults 19 years or older who have been out of school for a minimum of 6 months. Students who work toward their mature student diploma are required to complete 8 provincially approved courses from grade 9 – 12; with 4 being at the grade 12 (40) level. Employers, community colleges and universities recognize the mature student diploma.

The Seven Oaks Adult Learning Centre offers courses needed to complete a mature student diploma, the regular high school diploma or to upgrade credits for post-secondary education or work. We do not offer the GED. Courses are offered in the morning, afternoon and evening to allow working students to schedule around work and family lives. We offer courses that are taught synchronously, so students can either learn in class or on line. We are open Monday to Thursday, from 9:00 am to 4:00 pm, with evening classes from 5:30 pm to 8:30 pm each evening. There are no registration fees.

Our Centre, situated at 950 Jefferson Avenue, is able to offer a dynamic program with opportunities for another faction of learners within the Seven Oaks School Division. We offer a friendly, helpful staff in an adult climate. Our staff consists of certified teachers with a wealth of educational experiences. We are committed to helping students learn the study skills and work skills that adults need to succeed in our education and work places. At Seven Oaks Adult Learning Centre we understand the growing demands of adult life and the need for quality adult secondary education to continue on to post-secondary education or utilize in the workplace. Please feel free to call 204-632-1716 for more information or come in and see us.

Courses at the ALC include:

- English Comprehensive 30S & 40S
- English Transactional 40S
- English Technical 40S
- Applied Math 40S
- Essential Math 30S & 40S
- Chemistry 40S
- Independent courses & several electives that change from year to year
- Biology 40S
- Topics in First Nations 40S
- Art 40S
- Psychology 40S







The Seven Oaks Adult Education Centre (AEC – 1747 Main Street) helps students earn a mature student diploma, complete a high school diploma or upgrade course credits with the purpose of moving on to further education and / or employment. We also offer an Adult Literacy Program that prepares learners for high school courses by refreshing and building literacy and numeracy skills / concepts that will support student learning for career, school and personal goals.

The AEC serves a diverse group of adult learners. We respect and foster Indigenous ways of teaching and learning and we celebrate the common ground our diverse students and staff discover together in this wonderful community of learners. At AEC, we can help you achieve your academic and career goals. We understand the needs and pressures adults face coming back to school and strive to accommodate the demands of a busy life while at the same time providing a high standard of education. Our flexible, teacher-led classes provide structure, allow students to benefit from interactions with their peers that support and meet the needs of your lifestyle and goals.

AEC offers morning, afternoon and evening classes each semester with students attending two classes per week for each course. Our career counselling offers students advice on career interests, post secondary choices, goalsetting, resumes, portfolios etc. AEC is now offering a new experiential, student led program called CEAL (Cohort of Experiential Adult Learners) which runs for eight weeks, four times a year and requires students to attend class four days a week.

The centre is located at 1747 Main Street at Hartford Avenue and is accessible by major bus routes. Feel free to contact us for more information at 204-589-9852 or [aec@7oaks.org](mailto:aec@7oaks.org), or drop in Monday – Thursday 8:30 a.m. – 8:30 p.m. or Friday 8:30 a.m. – 3:30 p.m.

# UNIVERSITY OF MANITOBA and UNIVERSITY OF WINNIPEG ADMISSION REQUIREMENTS

## UNIVERSITY OF MANITOBA

### UNIVERSITY 1 REGULAR ADMISSION REQUIREMENTS

- Manitoba High School Graduation
- 5 full credits at the gr 12 level in courses designated S, G or U or C. PED40F cannot be used as one of the 5 courses.
- A minimum average of 70% over the following, with no less than 60% in each course:
  - English 40S
  - Math 40S
  - A third academic 40S course
  - A fourth academic 40S course

For more information go to [Explore UM / University of Manitoba \(umantioaba.ca\)](https://www.umantioaba.ca)

## UNIVERSITY OF WINNIPEG

Regular Admission Requirements for programs in all faculties (except the Faculty of Education):

- Manitoba High School Graduation
- 5 credits at the Grade 12 level (40S, G, or U). Three must be 40S. PED40F cannot be used as one of the five courses.
- Present at least one credit of core English 40S (Comprehensive, Literary, or Transactional Focus) and one credit of core Math 40S (Pre-Calculus, Applied or Essential).
- Have a minimum 65% admission average, calculated using:
  - One English 40S
  - One Math 40S
  - One other 40S credit from a different subject area

The highest grade will be used for each required course, if more than one option is available.

For more information go to [Admissions Requirements / Future Student / The University of Winnipeg \(uwinnipeg.ca\)](https://www.uwinnipeg.ca)

**Very Important:** The above noted Admission Requirements are the Regular Admission Requirements. Many programs also have Program Specific Admission Requirements which can be found on the post-secondary institution's website.

# OTHER POST-SECONDARY EDUCATION OPPORTUNITIES

For information on other post-secondary education opportunities, please visit their website.

*Aveda Institute Winnipeg* – [\*Aveda Institute Winnipeg\*](#)

*Booth University College* – [\*Booth University College\*](#)

*Brandon University* – [\*Brandon University\*](#)

*Canadian Armed Forces* – [\*Canadian Armed Forces\*](#)

*Canadian Mennonite University* – [\*Canadian Mennonite University\*](#)

*Criti Care Paramedic Academy* – [\*Criti Care Paramedic Academy\*](#)

*Harv's Air* – [\*Harv's Air\*](#)

*Insurance Broker's Association of Manitoba* – [\*Insurance Broker's Association of Manitoba\*](#)

*Manitoba Hydro* – [\*Manitoba Hydro\*](#)

*Manitoba Institute of Trades & Technology* – [\*Manitoba Institute of Trades and Technology\*](#)

*MC College* – [\*MC College\*](#)

*Mid-Ocean School of Media Arts* – [\*Mid-Ocean School of Media Arts\*](#)

*Providence University College* – [\*Providence University College\*](#)

*RCMP* – [\*RCMP\*](#)

*Red River College Polytechnic* – [\*Red River College Polytechnic\*](#)

*Seven Oaks School Division Career Ready* – [\*Seven Oaks School Division Career Ready\*](#)

*Universite de Saint-Boniface* – [\*Universite de Saint-Boniface\*](#)

*University of Brandon* – [\*University of Brandon\*](#)

*Winnipeg Police Service* – [\*Winnipeg Police Service\*](#)

# MANITOBA STUDENT AID

The Manitoba Student Aid program provides loans, grants and bursaries to Manitobans who need help paying for school. Student loans are calculated based on your financial need and are meant to supplement, not replace, your own resources. Just because you apply for a student loan does not mean you'll get one, and just because you get one does not mean you will get the maximum amount. If you do get a student loan, you don't have to make payments or pay interest on it while you are a full-time student.

When you apply to Manitoba Student Aid (MSA), you may become eligible for loans and grants, not only from MSA, but also from the Canada Student Financial Assistance Program (CSFA Program).

For more information, go to [Manitoba Student Aid / Province of Manitoba](#)

## SCHOLARSHIPS, AWARDS AND BURSARIES

Numerous scholarships Awards and Bursaries are available to Maples Collegiate students. For more information, go to the Maples Collegiate Website, Graduation, Awards and Scholarship, [Home \(google.com\)](#)

Different scholarships, awards and bursaries have different eligibility criteria. Some are automatic and some require an application. If a student meets the eligibility criteria, they are encouraged to apply.

