ESTABLISHED 1923

100 YEARS OF EXCELLENCE

COURSE GUIDE

2022-2023

CONTENTS

SCHOOL INFORMATION

STUDENT CODE OF CONDUCT & STUDENT EXPECTATIONS

CODE OF CONDUCT

The code of conduct was developed to establish an environment of mutual respect, safety and academic achievement. Students are expected to act in accordance with the following:

- Attend school regularly. Be on time, bring all required supplies and completed homework. When finished for the day, leave the school grounds promptly.
- Show common courtesy and respect to all: defiance of authority, abusive language and aggressive behaviours are unacceptable at all times.
- Behave respectfully to all regardless of race, religion, gender, age, or sexual orientation.
- Solve conflicts peacefully through discussion or by seeking help.
- Dress appropriately for classes and activities. Any non-religious headgear is prohibited within DMCI.
- Reported membership with a group whose purpose or effect is to interfere with the operation of the school or school activities or with the safety and security of students and staff will not be tolerated.
- Respect school property and the property of others.
- Be aware of the school based and divisional policies regarding appropriate use of electronic mail and internet usage. Any violations shall be treated as a serious violation of policy and dealt with appropriately.
- The camera/video function of all electronic devices (e.g. camera, cell phones, iPods etc.) is strictly prohibited except with the prior permission of the principal or a classroom teacher for a class/school/Division project/event.
- Make the most of the time in school: strive for academic excellence through classroom participation.
- Students who are in the school, but do not otherwise have a class, must be either in the library, cafeteria or be off campus. Students are required to carry an updated timetable with them at all times to verify prep periods.
- Follow this code of conduct and any code that the school may have.

  Any violations of the code of conduct will be dealt with quickly and with appropriate consequences as determined by the teachers and administration of the school

CYBER MISCONDUCT

Cyber misconduct is the misuse of technology to invade or threaten personal privacy or to disrupt the school's culture of learning. Cyberbullying is the use of technology to threaten, ridicule and spread rumors or to defame character and will not be tolerated. Serious cases of cyber misconduct may warrant suspension and/or removal from our school community.

All forms of cyber-threats WILL be reported to law enforcement.

ACADEMIC HONESTY

All members of the DMCI community share the responsibility for the academic standards and reputation of our school. Academic honesty is a foundation for the development and obtaining of knowledge.

Academic dishonesty, like other forms of dishonesty, is misrepresentation of work designed to deceive, without regard to the source or the accuracy of statements or findings. Academic dishonesty, in whatever form, is ultimately damaging of the values of DMCI; it is, additionally, discriminating and discouraging to the vast majority of students who do their studies honestly.

All forms of academic dishonesty will be dealt with quickly and with appropriate consequences that could include loss of grades, suspension or removal from the DMCI community in consultation with The Winnipeg School Division.

DRESS CODE

Students' dress and grooming must not disrupt the educational process, interfere with the maintenance of a positive teaching/learning climate, or compromise reasonable standards of health, safety, and decency at school or school sponsored events. The word "clothing" as used includes accessories such as rings, earrings, necklaces, purses, backpacks, chains, and shoes. The following clothing is prohibited:

- Clothing which is considered to be revealing will not be allowed on any student. This would include clothing that does not cover from shoulders to thighs. Prohibited clothing types included but not limited to are: bare midriffs, backs or halter tops; excessively short skirts or shorts; low cut or strapless tops without a covering shirt; and visible underwear.
- Clothing which depicts the use of tobacco, marijuana, alcohol, or illegal substances.
- Clothing which depicts graphics or wording with sexual, vulgar, lewd, or indecent meanings or connotations, or clothing which by community standards is indecent for purposes of educational and school activity. Students must be adequately clothed.
- Clothing which identifies one with a group whose purpose or effect is to interfere with the operation of the school or school activities or with the safety and security of students and staff.
- Clothing which is usually worn over indoor clothing for protection from outside elements may not be worn during the school day except as required for religious or medical purposes. This would include coats, jackets, caps, hats, scarves, and gloves.
- Clothing that may damage school property or be readily used as a weapon.
- Clothing with graphics or wording which depicts violence in any form.

DRUGS AND ALCOHOL

A student participating in any school activity under the influence of alcohol or drugs will be suspended. The parents/guardians will be contacted and required to attend the school for re-admittance. Possession of or trafficking of drugs will result in suspension and police contact.

VISITORS

All visitors to the school must report to the main office. We discourage students from having friends from outside the school visit or meet them at the school. The school is to be viewed as a place of learning. Students are expected to report anyone who does not have legitimate reason to be on school grounds or in the building to school staff.

ATTENDANCE POLICY

The Attendance Policy helps students take greater responsibility for a good attendance record. Regular attendance is important for success in school; it is also a desirable quality sought after by prospective employers. Non-attendance for reasons other than school-sponsored activities is considered an absence.

Parents or Guardians may visit or call the school at any time to check on their child's attendance. Parents/guardians may contact teachers directly, either by telephone or by e-mail, at any time during the year whenever questions arise about attendance or student performances.

The attendance policy is implemented as follows:

- After **2 absences** the teacher will contact the Parent/Guardian by telephone and inform them of the situation.
- Once a student accumulates **5 absences in a course**, the parent is contacted by letter from the principal.
- An additional letter is sent home when a student accumulates **10 absences in a course**. The letter states that the student **will not be receiving credit** for courses in which they have 10 absences. The student may then contact the principal directly should there be exceptional circumstances which would allow the decision to be reconsidered.

LATE POLICY

The Late Policy is closely related to the Attendance Policy. The objective is to help students appreciate the importance of attending classes on time.

Four lates are equal to one absence. After four lates, the student is sent to the office for an appointment to discuss the problem with a vice-principal. If the late problem persists, the student's parent will be contacted by the office. It will be re-emphasized that lates are equated with absences and will be dealt with as an over-all attendance problem.

SAFE ARRIVAL / SCHOOL MESSENGER

To enhance our existing absence-checking procedure, we have a student absence reporting system called **SafeArrival**. This system reduces the time it takes to verify student absences, making it easy for parents to report student absences and easy for staff to respond to unexplained student absences. With **SafeArrival**, parents are asked to report student absences in advance using one of three convenient methods**. School Messenger** is the system that DMCI uses to provide information directly to parents through email and voice mail.

GENERAL INFORMATION

LOCKERS

Lockers are the property of the school and students are allowed to use them to store their school materials and personal items. Combination locks will be issued and must be used; students are not allowed to use their own locks. Combinations should be kept confidential as the school does not assume responsibility for any of the contents of the locker. Valuables should not be kept in the locker. School staff has the right to search the lockers.

CHANGE OF ADDRESS OR PHONE

If you move or your personal information changes during the school year, inform the office immediately. In addition, notify the office regarding changes to emergency contact information. To make any of these changes, visit the office or contact the school at 204-783-7131.

MEDICATION AND MEDICAL CONDITIONS

Parent/guardians should notify the office if a student requires medication to be administered during the school day. The Winnipeg School Division offers URIS (Unified Referral and Intake System) support to develop health care plans for students with medical conditions. Please notify the school if your child has an ongoing or newly diagnosed medical condition.

Parents/guardians are advised that school staff may not provide or administer over the counter medication.

STUDENT PARKING

There is no parking available to students at Daniel McIntyre Collegiate. If students bring their vehicles to school, they must park on the streets around the school. Most streets around the school have a one hour parking limit during the school day.

BICYCLES

A bicycle compound is available at the front of the school. Students that choose to ride to school should ensure bicycles are U- locked to the racks inside of the compound. **The school assumes no responsibility for bicycles brought to school.**

LOST AND FOUND

If clothing items are lost, please check the lost and found boxes located in front of the office. For other items, check with office staff. Any items found should be taken to the office so they can be reclaimed.

LIBRARY

DMCI library is open daily from 8:30AM to 3:30PM including lunch hour. Our library has 28 research stations for the students to do their assignments. Students are allowed to print their assignments free of charge.

We have a large collection of print and non-print resources for students to discover new knowledge and finish their inquiry based projects. Staff and students are encouraged to provide input in buying new resources.

We encourage and help students to borrow books and magazines and we also provide a quiet environment for students to study in the library.

The library staff are there to work with the staff and students of DMCI to fulfill their educational requests.

ALUMNI ASSOCIATION

The DMCI Alumni Association meets on a regular basis. If you would like to get involved with the alumni committee or would like to be added to the mailing list to receive alumni information and newsletters, please visit http://www.dmcialumni.org or leave your name, address, e-mail and telephone number with the office staff.

The Alumni Association works to raise funds to provide scholarships and awards for the students of DMCI. As well, they have provided funds for various projects around the school. Donations to the Alumni Association are always welcome and can be directed to a specific program. Please feel free to contact our school representative, Ms. H. Schattschneider at hschattschneider@wsd1.org for additional information.

PARENT ADVISORY COUNCIL

The Parent Advisory Council meets on a regular basis to discuss school issues with administration and staff representatives. We encourage all parents to get involved in the school. If you would like to attend a meeting, please contact the school or the Chairperson of the Council through the school office.

PARENT TEACHER CONFERENCES

Parent-Teacher conferences provide an opportunity for parents/guardians to discuss their child's academic progress with their teachers. Parent-Teacher conferences are held twice annually, once in the middle of each semester.

EXTRA CURRICULAR INFORMATION

ATHLETIC PROGRAM

In addition to the required Grade 9, 10, 11 and 12 Physical Education Program, DMCI offers an excellent inter-collegiate athletic program. Sports offered include Indoor & Outdoor Track & Field, Basketball, Cross Country, Football, Handball, Ultimate, Badminton, Indoor & Outdoor Soccer and Volleyball.

Students also have access to a premier Fitness Center that includes a track, extensive weight room and a wide variety of fitness training equipment. The athletic program also offers Athletic Training and Sport Specific Development opportunities.

STUDENT CLUBS, COMMITTEES AND OPPORTUNITIES

Students are encouraged to become actively involved in student life outside of the school. DMCI offers many opportunities with a wide scope of interest areas for students, some of these are:

- Indigenous Youth Leadership Programs
- Anime Club
- Drum Circle
- GSA
- Reach for the Top
- Running Club
- Unicycle Club
- EAL Ambassador Program
- Youth in Philanthropy
- Sewing Club
- Grad Committee
- Craft Club
- eSports Club
- McIntyre Anglers Program
- Art Club
- Chess Club
- Fun French Film Fridays
- Mindful Mondays
- Photography Club
- SHARK
- Student Council
- Cribbage Club
- Board Games
- Leadership
- Book Club

LEADERSHIP PROGRAM

Do you want to be one of the leaders of tomorrow and gain life-long valuable volunteer experience? If so, join DMCI LEADERSHIP. This is a volunteer based program where you will be running events within the school, such as dances, pep-rallies, sports tournaments and many other activities. You will also be volunteering around the city at various businesses and community organizations. These experiences may include working with young children, or helping at Winnipeg Harvest in addition to many other opportunities.

After 110 leadership hours, you will receive a leadership credit. You have your entire time at DMCI to achieve this goal and if you decide to stay in the program after reaching 110 hours, you will be rewarded with one graduation dollar for each additional leadership hour. This means that if you have put in 115 hours, you have earned a credit plus $5 towards your graduation dinner/dance ticket in grade 12.

The real rewards with this program come when you get to display all of your experiences, teamwork and leadership skills learned along the way on your resume. Once you are in the program, you will be given your own DMCI LEADERSHIP t-shirt and after 40 hours you will receive a hoodie that you can wear proudly and represent DMCI wherever you go, being a great leader!

We currently have over 250 members and counting and we look forward to having you.

REGISTRATION & COURSE SELECTION PROCEDURES

APPLICATION PROCEDURES

STUDENTS FROM LOCAL SCHOOLS

In February, Daniel McIntyre will host school tours for junior high schools in the area. This is an opportunity for junior high students to see if they would like to come to Daniel McIntyre Collegiate. School visits can also be arranged for parents and guardians who wish to visit Daniel McIntyre. To assist in timetabling, please return completed applications by the deadline date.

DANIEL MCINTYRE RETURNING GRADE 10, GRADE 11 AND GRADE 12 STUDENTS

Courses are offered on a "first come, first served" basis. Counsellors will announce deadlines for registrations in early spring.

Registrations received after the deadline are not guaranteed course selections.

Please note: if there are insufficient requests for a course, the course will not be offered.

NEW STUDENTS

New students who apply after July 1 and up to the first week of school in the fall, should leave their application forms at the school office. The forms will be processed by counsellors during the last week of August and schedules for classes will be made available. Your last school report card or a transcript of marks is required for your application to be processed. New students must make an appointment with an administrator and then a counsellor. School personnel are available one week before school begins for appointments.

NEW STUDENTS – SEMESTER II

Applications will be received in the Guidance Office during the last week of January. Students should bring their latest report card with them and be prepared to arrange an interview with their parents/guardians and a vice-principal. It is expected that a full program will be taken even though all first choice courses may not be available.

TIMETABLES

Individual timetables for courses are mailed to all pre-registered students before school opens in the fall. It is advisable that you obtain your timetable before opening day because classes start immediately. Upon receipt your timetable, it is advised that you review it for accuracy of courses requested/required. Arrangements may be made for changes if successful summer course results or unsuccessful examination results have changed your course selections, or simply to review your timetable with a guidance counsellor before the start of the school year.

GUIDELINES FOR SELECTING COURSES

STUDENTS

- Try to choose courses that suit your special interests, abilities, skills and aptitudes.
- Select courses in which you have reasonable chances to succeed. The way you worked and the success you have achieved this year are good indications of how well you are likely to do next year.
- Discuss your choices with your parents, your teachers and/or your counsellors.
- Never plan to take a course just because your friends are taking it. Every person is different. You will be more likely to succeed if you consider your own interest and abilities.
- Courses should be chosen with your career goals in mind. Try to keep as many options as possible open to enable you to be prepared for all future employment and post-secondary opportunities.
- Review your course selections with a guidance counsellor to ensure you have the necessary pre-requisites for your chosen career.

HOW PARENTS/GUARDIANS CAN HELP

- Consider your child's achievement levels prior to selecting courses.
- Try to make an honest assessment of your child's interests and abilities.
- Avoid being influenced by your thoughts on what you took or would liked to have taken in school. Your child may not have the same interests.
- All the courses offered are equal in importance but different in emphasis. It is unwise to force your child into a course just because you think it has more prestige than another course.
- It is important that you help in the choice of courses that will lead to your child's success and satisfaction.

THE SEMESTER SYSTEM

At DMCI the school year is divided into two five (5) month semesters: Semester I (September to January) and Semester II (February to June). Students may take up to five credits each semester. Students generally enter Grade 10 with 8 credits gained in Grade 9.

This system allows time in the final year for studying difficult courses, repeating failed subjects or adding special interest subjects. Also, if a full course load is taken every semester, students may complete the course requirements for graduation in January rather than in June of their final year.

CREDIT SYSTEM & GRADUATION

SENIOR YEARS CREDIT SYSTEM

The Senior Years (Grade 9-12) credit system provides flexibility to enable students to pursue Senior Years courses best suited to their individual requirements and aspirations. A student may earn one credit by undertaking and successfully completing a course of study designed for approximately 110 hours of instruction. A half-credit represents 55 hours of instruction. Manitoba Education requires that students earn a minimum of **30 credits** to graduate from high school.

Credits fall into two categories:
Compulsory Course - a course for which students must receive credit (e.g. English Language Arts, Mathematics, Social Studies, Physical Education, and Science)
Optional Course – also called an elective, a course that students may choose based on their interests, abilities, values and career goals (e.g. Performing Arts, Languages, Music, Industrial Arts, Information and Communication Technology, etc.). Some courses are full credit; others are half credit. Students and parents are encouraged to discuss credit requirements with their school counsellors and teachers.

COURSE NUMBERS

Each course has a description and is assigned a 3-digit alpha-numeric code (e.g. English 10F, Mathematics 20S).

First Character	Second Character
1 – courses developed for Grade 9 2 – courses developed for Grade 10 3 – courses developed for Grade 11 4 – courses developed for Grade 12	0 – developed by Manitoba Education for 1 credit 5 – developed by Manitoba Education for ½ credit 1 – developed by the school or division. (School Initiated Courses)

Third Character	
F - Foundational	Courses which are broadly based and appropriate for all students, and which may lead to further studies beyond Grade 12.
G – General	Courses which provide a general educational experience or courses that are developed by the school or division (SICs)
S – Specialized	Courses in specialized areas leading to further studies beyond the Senior Years, typically at a post-secondary institution.
E – EAL	Courses focusing on English as an Additional Language (EAL) learning goals based on assessed levels of EAL proficiency to assist the student in making the transition into regular Senior Years programming in this content area.
M – Modified	Courses whose curriculum outcomes have been modified more than 50% to take into consideration the learning requirements of students. An individualized education plan (IEP) is required for students receiving M designated credits.

ACADEMIC GRADUATION REQUIREMENTS

To obtain Grade 12 standing and receive a high school diploma, a student must complete a minimum of 30 credits. DMCI's graduation requirements consist of 17 compulsory courses and 13 optional courses as described in the chart below. Students must meet the entrance requirements of the post-secondary institution (college or university), training or work situation they intend to pursue.

GRADE 9 **COMPULSORY – 6 CREDITS**	**GRADE 10** **COMPULSORY – 5 CREDITS**	**GRADE 11** **COMPULSORF – 5 CREDITS**	**GRADE 12** **COMPULSORY – 5 CREDITS**
English Language Arts - 2 credits	English Language Arts - 2 credits	English Language Arts - 1 credit	English Language Arts - 1 credit
Mathematics - 2 credits	Mathematics - 1 credit	Mathematics - 1 credit	Mathematics - 1 credit
Social Studies - 1 credit	Social Studies - 1 credit	Social Studies - 1 credit	Physical Education/Health Education – 1 credit
Science - 1 credit	Science - 1 credit		
Physical Education/Health Education – 1 credit	Physical Education/Health Education – 1 credit	Physical Education/Health Education – 1 credit	
Option Credits – min. 3 credits	Option Credits – min. 4 credits	Option Credits – min. 1 credit	Option Credits – min. 2 credits

OPTIONAL CREDITS

Students require a minimum of 13 optional credits with a minimum of 1 credit at the Grade 11 level and 2 credits at the Grade 12 level from subject areas such as:

- Language Arts (additional courses for credit)
- Mathematics (additional courses for credit)
- Sciences (additional courses for credit)
- Social Studies (additional courses for credit)
- Second Languages
- Medical Professionals Program
- Administrative Assistant Program
- The Arts
  - Visual Arts
  - Music
  - Drama
  - Dance
- Technology Education
  - Business and Information Technology
  - Home Economics
  - Industrial Arts

STUDENT SERVICES

GUIDANCE AND COUNSELLING

The Student Services Department at Daniel McIntyre Collegiate Institute provides a number of services for students, parents, guardians and teachers.

Presently, there are three guidance counsellors, a career advisor and a guidance clerk to help with students' requests and concerns.

Student services personnel can assist students with:

- academic concerns
- interpersonal relations
- emotional concerns
- career exploration and planning
- school/course changes or withdrawals
- work permit application forms
- Independent Study course information
- preparation of mark statements
- student computer workstation and Internet access
- My Blueprint student portfolio and career education resources
- decision-making and problem solving
- course selection and planning
- information on post-secondary institutions
- referrals to psychologist, social workers, and other professional services
- resume writing/information
- personal/social concerns

The School Division provides additional testing, counselling, and assessment services through such professionals as social workers, psychologists, audio and speech therapists, psychiatrists and public health nurses. These professionals work closely with each school and may be contacted through Student Support Services.

Students wishing to see a counsellor can drop into the Guidance Office at a time convenient to them, based on their schedule. Appointments with counsellors can also be arranged in the Guidance Office if preferred, during spares, lunch hours, and prior to or immediately after regular school hours.

AWARDS, SCHOLARSHIPS & BURSARIES

DMCI AWARDS AND CERTIFICATES CRITERIA

WINNIPEG SCHOOL DIVISION BOOK AWARDS

- Highest overall general average per grade

SUBJECT EXCELLENCE AWARDS

- Highest standing in a subject
- All subjects considered
- Mark of 90% or better for consideration

CITIZENSHIP AWARDS

- Reasonable academic standing
- Contributions to both school and community
- Application process

HONOUR ROLL CERTIFICATES

- Completion of at least 6 credit courses during the school year
- At least 4 of these courses must be university recognized courses
- Having a general overall average of 80% or better
- No mark less than 70% in any subject

HONOUR ROLL CERTIFICATES: WITH DISTINCTION

- Completion of at least 6 credit courses during the school year
- At least 4 of these courses must be university recognized courses
- General overall average of 90% or better
- No mark lower than 80% in any subject

SCHOLARSHIPS, AWARDS & BURSARIES

There are many scholarships, awards and bursaries available for high school students. See a guidance counsellor, the career intern or scholarship guide located in the guidance office for more information on these and other scholarships.

- Winnipeg School Division Scholarship
- Winnipeg School Division Book Award
- Post Secondary Scholarships (University of Manitoba and University of Winnipeg)
- Sherman Himelblau Memorial Award
- Takejiro Yamashita Memorial Bursary
- Beverley Wong Memorial Scholarship
- William J.S. Brown Scholarship
- Alumni 75th Scholarship
- Daniel McIntyre Alumni Award
- John Lawler Memorial Scholarship
- Joe Ogoms Award
- Johann Generao Award
- Barry Anderson DMCI Alumni Choir Award
- Daniel McIntyre Vocational-Tech Scholarship Award
- Woman of Distinction Award
- DMCI Centennial
- Henry and Doreen Benningen Scholarship
- William and Jean Meagher Bursary
- Jack Johnson Memorial Football Scholarship
- Prairie Eye Care Academic Scholarship
- Maroons Alumni Football Scholarship
- DMCI Awards
- DMCI Maroon Awards
- Paula Loewen Award
- Maroon and White Scholarship
- John Hatcher Award
- McIntyre Medal
- Red River College Partners in Education
- MLA Citizenship
- Douglas Todd Memorial Award
- Winnipeg School Division Scholarship
- Winnipeg School Division Book Awards
- Child Guidance Clinic Award
- WTA Scholarship
- Governor General's Medal
- Member of Parliament Canadian Studies Award
- Institute of Chinese Language Culture and Arts Award
- Triskolar
- Fil-Can Cabletow-Chibu Scholarship
- Emergent Biosolution Award
- City of Winnipeg Leadership Award
- The George Taylor Leadership Award
- Chown Centennial Scholarhip
- Meldar Angelo Agravante Memorial Scholarship
- Senhit Mehari Memorial Trust Fund Award
- ANAK Liwayway Scholarship for Leadership Excellence
- Children of My Heart Award

PROGRAMS & ACADEMICS

ENRICHED PROGRAMMING

Enriched programming is available in specific courses in the areas of English, Math, Science and Social Studies for Grades 10 to 12. Enriched programming is designed for students who wish to deepen their knowledge and understanding and challenge themselves. The Enriched courses will assist students in preparing for Advanced Placement courses in Grade 12.

CREDIT RECOVERY

Credit Recovery is a repeater program that offers credits in grade 9 and 10 core subject areas including English Language Arts, Mathematics, Science, Social Studies, and Physical Education. The recovery program's philosophy is learner-centered programing with a focus on hands-on and inquiry-based activities. The aim of the program is to offer students an alternative classroom setting which recognizes multiple learning styles and incorporates various forms of assessment and learning strategies. The intent is that students attain a minimum competency level in order to enroll in regular grade 10 and 11 programming.

DMCI RESOURCE DEPARTMENT

Educational resource services are available to all registered students to receive extra support for their courses. The resource program is designed to assist students who require additional time to complete course requirements, have experienced limited academic success, lack motivation or are identified as having a learning disability. A resource teacher or educational assistant can support students with completing assignments, developing organizational skills or problem solving skills, or improving reading skills. A student may access resource support through a classroom teacher, guidance counsellor or by speaking directly to a resource teacher in Room 18.

INCLUSION SUPPORT PROGRAMS

DMCI offers specialized programming for students with mild to moderate intellectual disabilities. Students registered in these programs qualify based on a professional psychological assessment. These programs provide modified and individualized curriculum; opportunities to improve communication, social and self-management skills; community awareness; and consumer and pre-vocational skills. Some students may also receive educational supports while integrated into regular programming.

ADVANCED PLACEMENT PROGRAM

PROGRAM OVERVIEW

What is the Advanced Placement Program? The AP Program provides special opportunities to those students who are highly academically skilled and motivated. This program of university level courses and exams for secondary students was designed to allow the successful student to receive credit and/or standing upon entering university. DMCI offers Biology, Chemistry, English, Calculus, Physics, Art and Psychology as possible AP courses, depending on enrollment in each class.

The AP program is recognized worldwide. Most universities and colleges in Canada and the United States recognize AP courses. Some universities - such as McGill, Queens, and Toronto - actively recruit high school graduates who have AP course credits. In the United States, in addition to active recruitment, major scholarships (average $20 000 - $80 000) are offered to those students who have successfully completed AP Programs. At the present time, there are over 11 000 secondary schools that have students taking AP courses.

The Advanced Placement Program is best known for giving high school students the opportunity to earn university credit, to save on tuition costs, and even to graduate early from university. As well, AP offers students many additional benefits.

- AP allows high school students to take courses that are challenging, rigorous, and in-depth.
- Success in an AP course is one of the strongest predictors of college and university success. The credits earned for AP achievements enable many students to pursue a double major, to study or travel abroad, or to undertake a combined bachelor's and master's program.
- Students may also take more advanced courses in disciplines where they have received a firm grounding from AP. Students who participate in AP are ultimately given the responsibility to reason, analyze, and understand for themselves.
- The high school atmosphere gives the student the flexibility to take enriched courses without compromising social or extra-curricular activities.

Former students who successfully completed AP courses frequently visit DMCI and confirm that they felt better prepared and more confident in their abilities to meet the challenges and requirements of their first year at university. Interested students who would like more information about the AP program at DMCI can phone the school and make an appointment with one of the guidance counsellors.

COURSES

AP CAPSTONE - SEMINAR | ELAP3S/ENGT3S – 2 Credits

This full year interdisciplinary course blends the Advanced Placement Seminar Program with a Grade 11 English Language Arts Transactional Focus credit. The course encourages students to demonstrate critical thinking, collaboration, and academic research skills on topics of the student's choosing. Students will develop and practice the skills in research, collaboration, and communication that are needed in any academic discipline. Students will investigate topics in a variety of subject areas, write research-based essays, and design and give presentations both individually and as part of a team.

PREREQUISITE: Grade 10 English Language Arts (ENGR2F)

AP CAPSTONE - RESEARCH | ELAP4S/ENGT4S – 2 Credits

This full year interdisciplinary course blends the Advanced Placement Research Program with a Grade 12 English Language Arts Transactional Focus credit. Students will build on what was learned in AP Seminar to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students will design, plan, and conduct a year-long research based investigation to address a research question.

PREREQUISITE: Grade 11 AP Capstone Seminar (ELAP3S)

ADVANCED PLACEMENT (AP) STUDIO ART: DRAWING PORTFOLIO | SADP4S – 1 Credit

The Advanced Placement Program in Studio Art is intended for highly motivated students who wish to further advance their skills and expression through a variety of chosen media. Students taking this course will create an individualized portfolio of work composed of 30 finished pieces in total; works that demonstrate sustained investigation of a specific visual idea, and exhibit the synthesis of form, technique, and content in accordance with guidelines set out by the AP College Board. The portfolio is evaluated by the art teacher for a high school credit and by a separate agency for possible college credit. Candidates for this course should expect to work independently and meet rigorous, ongoing, short-term deadlines. The AP Art program runs from September – May and class will meet daily for one semester.

PREREQUISITE: Grade 12 Art (VIAR4S) with a minimum final mark of 80% and Art Teacher's recommendation.

ADVANCED PLACEMENT (AP) BIOLOGY | BIOP4S – 1 Credit

This course is an excellent opportunity for students to experience university-level biology in the more relaxed setting of high school. The course covers all of the topics seen in 30S and 40S biology, but in much greater depth. It also covers topics such as animal and plant diversity, ecology, and cutting edge biotechnology. Completing the AP Biology course greatly enhances the chance of success in first year biology for most students.

PREREQUISITE: Grade 12 Biology (BIOR4S OR BIOE4S).

ADVANCED PLACEMENT (AP) CALCULUS | CAAP4S – 1 Credit

AP Calculus provides an opportunity to pursue college-level studies in high school and a first year university credit (based on receiving a 4 or 5 out of 5 on the AP Exam). The course covers differential and integral calculus topics. It is highly recommended that students will have completed the Grade 11 and Grade 12 Enriched Pre-Calculus courses in their grade 11 year. The course runs for one and one-half semesters. (September to May). (A TI-83/84 graphing calculator is required for this course.)

PREREQUISITE: Grade 12 Pre-Calculus (PCMR4S OR PCME4S).

ADVANCED PLACEMENT (AP) CHEMISTRY | CHEP4S – 1 Credit

This course is designed to be the equivalent of the general chemistry course usually taken during the first year of university. For some students, (who receive a 4 out of 5 on the AP exam) this course enables them to undertake, as first year students, second-year work in the chemistry sequence at the university level, or to register for courses in other fields where general chemistry is a prerequisite. The course will take place over one and a half semesters (September to May).

PREREQUISITE: Grade 12 Chemistry (CHER4S OR CHEE4S).

ADVANCED PLACEMENT (AP) PHYSICS | PH1P4S – 1 Credit

AP Physics 1 is a course that has been designed to help students develop a deep understanding of the foundational principles that shape classical mechanics. Students taking this course will have the opportunity to study university level physics in a high school setting. This course builds on the topics of kinematics, dynamics, circular motion, gravitation, momentum, and energy. The topics of simple harmonic motion, torque and rotational motion will also be introduced and studied in detail. Throughout the course there is an emphasis placed on data collection and experiments, along with experimental design. This course is a full year course and runs from September to May.

PREREQUISITE: Grade 12 Physics (PHYR4S) OR a combination of Grade 11 Physics (PHYR3S) and Grade 11 Pre-Calculus Mathematics (PCMR3S) with a minimum grade of 90% in both courses.

ENGLISH AS AN ADDITIONAL LANGUAGE (EAL)

PROGRAM OVERVIEW

The EAL Program at DMCI has been designed to help students for whom English is an additional language to transition successfully into mainstream courses and fully integrate into our diverse Canadian society.

Students enrolled in this program will:

- Develop their listening, speaking, reading, writing, viewing and representing skills.
- Develop an appreciation of their culture and the cultures of others.
- Integrate into mainstream courses on an individual basis when it is advisable.

COURSE PATH BASED ON ASSESSMENT

LITERACY AND NUMERACY COURSES:

- LAL21F/LALR1F Pre-Beginner Literacy 1 and 2
- ENBU1G/ENBU2G Beginner Literacy 1 and 2
- NUMY 1G/2G Beginner Numeracy 1 and 2
- SCIR1E Beginner Science
- ENAU3G/ENAU4G Intermediate Literacy 3 and 4
- EMAR2E/EMBR2E Intermediate Numeracy 3 and 4

EAL COURSES:

- ENGR1E/2E (Intermediate English)
- ENGC3E/4E (Advanced Intermediate English)
- MATR1E (Math Skills)
- ESMR2E/3E/4E (Intermediate to Advanced Essential Math)
- SCIR2E (Science)
- SOSR1E, GEOR2E, HICR3E (Social Studies)
- ICTA1E/ICTB1E (Level 1 Computers)
- ADKR2E/PCHR2E (Keyboarding & Print Communications)
- FONR2E (Foods and Nutrition)
- TADR2E, 3E (Textile Arts & Design)
- METR1E (Metals)
- PHER2E/3E/4E (Physical Education and Health)
- EALR4S (EAL Academic Success)

NOTE: Students who plan to pursue post-secondary education cannot graduate with a 4E credit and must continue on to EALR4S, 4S ELA, and 4S Math.

ADDITIONAL EAL PROGRAMS

- Special Language Credits: Earn up to 4 credits for being fluent in a language other than English or French
- Lifeworks: Learn valuable job skills in class and through a volunteer work placement (earn 2 credits)
- Mentorship: Volunteer as a teacher's assistant at Wellington School or Sargent Park (earn 1 credit)
- EAL Ambassadors: Represent DMCI at various events and support other Newcomer students
- After-School Programs: Gain support for school and for life in Canada from the African Cultural Support Worker or N.E.E.D.S. Inc.

ART

PROGRAM OVERVIEW

The Visual Arts Program at DMCI is designed to encourage students to cultivate their artistic skills, creativity, self-expression, and passion for art. The program provides opportunities for students to create, interpret, and appreciate art, as well as develop and extend their aesthetic perception, techniques, problem-solving skills, and personal artistic voice.

COURSES

ART 20S | VIAR2S – 1 Credit

Assignments for this course are designed to help develop students' fundamental artistic skills and techniques, such as shading and highlighting, perspective, form, value, anatomy, colour theory, and composition. Students explore various media to help them develop new skills in drawing, painting, clay, sculpture, and mixed-media. Basics of design, visual awareness, and the incorporation of meaning are emphasized.

ART 30S | VIAR3S – 1 Credit

This course builds on the skills and understanding acquired in Art 20S. Assignments are designed to introduce students to more sophisticated ideas, and expand on techniques and skills, incorporating meaning, and developing their artistic voice. Students assume greater independence in the process of idea development and expression in drawing, painting, clay, sculpture, and mixed media.

ART 40S | VIAR4S – 1 Credit

Refining and expressing students' own artistic voice and style is the main focus of this course. Students independently experiment with, expand, and refine their drawing, painting, and sculpting skills, by creating art that reflects their unique point of view, life experiences, identity, values, and ideas, working to fulfill teacher-provided criteria. Students are provided with opportunities to create individualized, self-directed projects, which explore personal, social, and artistic issues. Artwork is subjected to more rigorous standards of evaluation. This course is recommended for students with a serious passion for art.

AP STUDIO ART: DRAWING PORTFOLIO | SADP4S – 1 Credit

The Advanced Placement Program in Studio Art is intended for highly motivated students who wish to further advance their artistic skills and expression through a variety of chosen media. Students taking this course will create an individualized portfolio of work composed of approximately 15 works of art in total; works that demonstrate sustained investigation of a specific visual idea, and exhibit the synthesis of form, technique, and content in accordance with guidelines set out by the AP College Board. The portfolio is evaluated by the art teacher for a high school credit, and by a separate agency for possible college credit. Candidates for this course should expect to work independently and meet rigorous, ongoing, short term deadlines. The AP Art program runs from September to May and class will meet daily for two semesters.

PREREQUISITE: Grade 12 Art (VIAR4S) with a minimum final mark of 80% and Art teacher's recommendation.

VISUAL ARTS SPECIAL INTEREST – PHOTOGRAPHY | VA1R2S – 1 Credit

The art of digital photography will be explored in this hands-on course. Students will strengthen their photography skills using DSLR cameras, explore digital editing techniques and expand their artistic expression. Assignments range from technical skill building to creative problem solving, to the capturing of images for school publications. Works by significant photographers, both historic and contemporary, will be studied.

APPLIED COMMERCE, TECHNOLOGY, AND DIGITAL MEDIA

OVERVIEW

The mission of Applied Commerce and Digital Media is to ensure that all students gain skills necessary to become effective business leaders, innovators, citizens, consumers, and employees.

Our department consists of three trending areas:

- Applied Commerce Education
- Digital Media including Graphics, Photography, Animation, and Digital Video
- Computer Science

APPLIED COMMERCE EDUCATION COURSES

BUSINESS INNOVATIONS 10S | BINR1S – 1 Credit

Learn how to tap into your creative potential by becoming an innovative thinker. Students will learn how to generate and develop ideas through a variety of methods such as: the Walt Disney method, empathy mapping, seed/catalyst activities, and sci-fi writing. This course is ideal for students who enjoy learning through being creative and showcasing their creations through a variety of multimedia.

PERSONAL FINANCE 20S | PFNR2S – 1 Credit

Personal Finance introduces students to fundamental financial literacy. It offers the student the opportunity to explore basic economics, budgeting, banking, savings, the functions of money, and investing. The course will give the student the skills and knowledge needed to make informed logical decisions when buying items such as cars or houses.

ENTREPRENEURSHIP 20S/20E/20M | ENTR2S - 1 Credit

Grade 10 Entrepreneurship focuses on fundamental skills that are required to plan, develop and operate a business. Students will assess the needs and wants of their community and learn the process of planning, marketing and implementing a venture that meets those needs. Entrepreneurship is an activity-based course that allows students the opportunity to explore entrepreneurship with a hands-on approach and with the infusion of technology.

ACCOUNTING ESSENTIALS 30S | AESR3S – 1 Credit

Accounting 30S will provide students with the necessary basic accounting knowledge to make sound financial decisions for personal and professional use in the workplace. Accounting 30S will provide students with the skills required to enter the accounting world, in particular for those interested in starting and owning their own business. Students will explore accounting principles using spreadsheets and accounting software.

VENTURE DEVELOPMENT 30S/30E/30M | VDER3S – 1 Credit

Plan, Develop and Launch! Students focus on creating, evaluating and launching their business ventures. Through collaboration, innovation and mentorship, students will work creatively to bring their product/service to the DMCI market! *This course builds upon the concepts introduced in Entrepreneurship 20S/20E/20M, but ENTR2S is not a pre-requisite for this course.*

BUSINESS COMMUNICATIONS 30S | BCOR3S – 1 Credit

This course introduces both theory and practical skills required to succeed in a professional work environment. Students will explore the topics of office technology, business communications, human relations, conflict resolution, management, and learn front-line reception skills.

ACCOUNTING SYSTEMS 40S | ASYR4S – 1 Credit

Building on concepts studied in Accounting Essentials 30S, Accounting Systems expands to include accounting procedures used by a company that sells goods. The course also goes on to explore controlling inventory, calculating depreciation, and alternate methods of accounting. Accounting software and spreadsheets will be used in this course.

PREREQUISITE: Grade 11 Accounting (AESR3S)

ECONOMIC PRINCIPLES 40S | ECPR4S – 1 Credit

Economics explores theories and principles around individual and collective decision making and how those decisions affect the world around us. Students will learn valuable skills such as collaboration, creativity, and critical thinking when exploring a wide variety of micro and macro-economic topics. *Economics 40S is now a Senate Approved course which can be used to calculate the admission and entrance scholarship averages at the University of Winnipeg.*

BUSINESS MANAGEMENT 40S | BMAR4S – 1 Credit

Business Management will provide students with a basic understanding of operating a business. Students will explore various styles of management and participate in activities related to human resources, inventory, project management, and finance. This course will allow students the opportunity to see through the lens of both an employer and an employee. *This course has a strong technology component and it is recommended that students have experience with Microsoft Office and Google's G Suite.*

PREREQUISITE: Grade 11 Venture Development (VDER3S)

APPLIED BUSINESS TECHNOLOGIES | ABTR4S – 1 Credit

Applied Business Technologies focuses on the integration of innovative technologies in business. In today's business world the ability to gather, organize, analyze, and clearly communicate vast amounts of information is invaluable. This course will introduce you to innovative technologies such as social media, no code app creation, US and CS design for apps and websites, and exploring the possibilities of MS Excel spreadsheets, as well as Access databases, and Word documents. Students will learn valuable skills in project management, collaboration, problem-solving, and creativity – skills every employer is looking for.

TOPICS AND TRENDS IN BUSINESS | TTBR4S - 1 Credit

Topics and Trends in Business uses an inquiry-based learning approach to allow students to explore current and emerging topics, trends, and opportunities related to business and technology, at a local, national, or global level. Students will design, recommend, and implement an action plan(s) based on their inquiry findings.

DIGITAL MEDIA COURSES

INFORMATION AND COMMUNICATION TECHNOLOGY 1 & 2 | ICTA1F/ICTB1F – 1 Credit

This ICT course has been designed to give students the basic computer skills they require to succeed at DMCI and beyond. Topics covered include presentation software, spreadsheets, file sharing, formatting professional documents, working with Office 365 and Google Suite. All grade 9 students are required to take this course at DMCI.

GRAPHICS 20G | GRAR2G - 1 Credit

Learn the tools professionals use to design print and digital publications. Students will learn to create visuals that communicate effectively. Make logos, t-shirts, posters, vinyl signage, and publications for use at school and in the community. Create a portfolio that may be used to find employment or apply for post-secondary programs. Students interested in design as well as those planning a career in architecture, interior design, engineering, graphic arts and fine art are encouraged to enroll in this course.

VISUAL ARTS SPECIAL INTEREST – PHOTOGRAPHY | VA1R2S – 1 Credit

The art of digital photography will be explored in this hands-on course. Students will strengthen their photography skills using DSLR cameras, explore digital editing techniques and expand their artistic expression. Assignments range from technical skill building to creative problem solving, to the capturing of images for school publications. Works by significant photographers, both historic and contemporary, will be studied.

KEYBOARDING/PRINT COMMUNICATIONS 20S | ADKR2S/PCHR2S – 1 Credit

This course introduces students to the current standards of the workplace. Once this course is completed, students will surpass the minimum requirements expected in today's workplace. Skills acquired will include mastering the keyboard, formatting professional and University documents and communication tools used within the workplace. This course is suitable for students pursuing Post-Secondary education or entering the workforce directly.

INTRODUCTION TO FILMMAKING 25S/25S | DFHR2S/DIHR2S – 1 Credit

We are all storytellers, and through learning the art of filmmaking, you can bring your stories to life. In this course, you will learn the principles and techniques of storytelling and screenwriting, film grammar, composition and action, sound design, and editing through digital moviemaking. Students will gain valuable skills in project management, creativity, collaboration, and problem-solving, and will see their stories and ideas come to life on the big screen.

FILM PRODUCTION | BMHR3S/IMHR3S – 1 Credit

In Film Production, students will work together to develop, plan, produce, edit, and premiere short films. Film Production builds on concepts and practice from Introduction to Filmmaking. The emphasis of Film Production is on collaboration in the filmmaking process, where students will take on a specific role such as Writer, Director, Producer, Cinematographer, and Editor for the making of their own film. Students will gain valuable skills in project management, creativity, collaboration, and problem solving, and will see their stories and ideas come to life on the big screen.

2D ANIMATION AND 3D MODELLING 35S | ANHR3S/MOHR3S – 1 Credit

Through demonstrations and hands on exercises, students will learn the skills needed to create their own short animations. Students will learn how to animate characters, title sequences and more. Specialized professional software will be used to model 3D images for use in games, 3D printing and animation. Students interested in art, graphic design or computer science are encouraged to enroll in this course.

GRAPHICS 30G | GRAR3G - 1 Credit

Students will dive deeper into the integration of multiple professional tools to manipulate and improve photos, design posters and create packaging. Students will be re-introduced to the vinyl cutter and will have opportunity to design inspirational quotes that will go up on the walls of the classroom. Students will be introduced to sublimation printing to prototype products. This course is a blend of digital art and hands-on experience.

GRAPHICS 40S | GRAR4S - 1 Credit

In this course, students will be exposed to some of the most advanced features in Photoshop to prepare them for a career in graphic design. Students will have some experience working on the school yearbook as well as creating a high-end video using professional software. Students will also be working in teams to do school promo work, such as poster design, logo manipulation and fulfilling other school needs. This course is for students who are curious about a career in graphic design and want to experience a wide variety of design techniques.

COMPUTER SCIENCE

PROGRAM OVERVIEW

Computer science is a course where students learn how to program using languages such as Visual Basic and Java. Using those languages, students will program video games, websites, and other fun and user-interactive programs. Students in grades 11 and 12 will begin to learn some app design for Apple (iPhone, iPad) and Android devices. This program is for students interested in programming, problem solving and technology.

COURSES

COMPUTER SCIENCE 20S | COSR2S – 1 Credit

In this course students learn the fundamental principles of programming through coding a variety of fun games. Students begin by learning how to make apps for Android devises and, don't worry iPhone users . . . you can use them, too!

COMPUTER SCIENCE 30S | COSR3S – 1 Credit

In this course students student will use a lot of the fundamental principles learned in grade 10 and be immersed in the world of game design, They will be introduced to Golang, Google's new and popular programming language along with more important principles of programming.

PREREQUISITE: Grade 10 Computer Science 20S (COSR2S)

COMPUTER SCIENCE 40S | COSR4S – 1 Credit

In this course, students will continue their learning of Golang and will be introduced to Python and Java. Students will be fully immersed in the world of computer science, developing and creating apps for business and daily life. Students planning on studying Computer Science at the post-secondary level would benefit from taking this course.

PREREQUISITE: Grade 11 Computer Science 30S (COSR3S)

ENGLISH

PROGRAM OVERVIEW

The Manitoba English Curriculum is designed to develop and improve the academic skills associated in listening, speaking, reading, writing, viewing and representing. The following courses are designed to improve literacy skills not only within the English classroom, but cross-circularly as well. *Please note:* Students may not be enrolled in multiple grade level courses in one semester.

Some terminology you may want to understand before you read on:

- **Literary** is the academic understanding of literature, connected to ideas and themes in both an historical and contemporary context within our society- the *art* of language.
- **Transactional** is the pragmatic role of communication that is applicable to current fiction and nonfiction forms- the *function* of language.
- **Comprehensive** is a combination of Literary and Transactional for a balanced exploration of English Language Arts.

In grade 11 and 12, students are required to take at least one of Comprehensive, Literary or Transactional English Language Arts at each grade level. These credits are all accepted by Universities and Colleges for admission. Students may take more than one credit at each grade level if they wish.

ENGLISH FOUNDATIONS GRADE 9 - 10

All English Foundations courses are two credit courses that run concurrently for the full year. During these two semesters students are given the opportunity to develop not only foundational English Language Arts skills such as reading and writing but also the skills that students will need to be successful in post-secondary school such as critical thinking, analysis, research, and communication skills.

ENGLISH 10F/READING IS THINKING 10F | ENGR1F/RITR1S – 2 Credits

All grade 9 students will take these courses concurrently for a full year. Students develop ways to understand and respond to a wide variety of texts. Reading is Thinking is designed to enhance students' basic skills acquired in the foundations course; emphasis is given to reading and representing.

ENGLISH 20F/READING IS THINKING 20S | ENGR2F/RITR2S – 2 Credits

Students will take these courses concurrently for a full year. English 20F is a foundational course which commences with a six week reading and writing workshop, moving on to a variety of fiction, and non-fiction literature such as novels, plays, and poetry. Reading is Thinking 20S is designed to enhance students basic skills acquired in the foundations course; emphasis is given to reading and representing. As this is a full year course students will have the unique opportunity to develop strong research, writing and communications skills that will support their post-secondary education.

PREREQUISITE: Grade 9 English Language Arts (ENGR1F)

ENGLISH GRADE 11 AND 12

ENGLISH COMPREHENSIVE FOCUS 30S | ENGCR3S – 1 Credit
This is a one semester comprehensive course. It is a balanced approach to the study of English with 50% transactional and 50% literary. Students will cover a variety of texts, including novels, plays, poetry, short stories and articles with the focus on the art of persuasion.

PREREQUISITE: Grade 10 English Language Arts (ENGR2F)

ENGLISH TRANSACTIONAL FOCUS 30S | ENGT3S – 1 Credit
This is a one semester course. Content is approximately 70% transactional and 30% literary. Students will cover a variety of texts, including novels, plays, poetry, short stories articles with the focus on the art of persuasion.

PREREQUISITE: Grade 10 English Language Arts (ENGR2F)

ENGLISH LITERARY FOCUS 30S | ENGL3S – 1 Credit
This is a one semester course. Content is approximately 70% literary and 30% transactional. Students will cover a variety of texts, including novels, plays, poetry, short stories articles with the focus on the art of persuasion.

PREREQUISITE: Grade 10 English Language Arts (ENGR2F)

COMPREHENSIVE ENGLISH 40S | ENGC4S – 1 Credit
This is a concentrated one semester comprehensive course. It is a balanced approach to the study of English with 50% transactional and 50% literary. Students will cover a variety of texts, including novels, plays, poetry, short stories articles and essays. They will also study a variety of writing formats that will prepare them for the Provincial Standards Exam at the end of this course.

PREREQUISITE: Grade 11 English Language Arts (Any Focus)

ENGLISH TRANSACTIONAL FOCUS 40S | ENGT4S – 1 Credit
The emphasis of this course is on non-fictional materials (interviews, articles, biographies and reports). Fiction material may be included. (70% transactional material and 30% literary material).

PREREQUISITE: Grade 11 English Language Arts (Any Focus)

ENGLISH LITERARY FOCUS 40S | ENGL4S – 1 Credit
This course is designed for those students who enjoy working with traditional literature, including novels, dramas, short stories and poetry. Non-fiction will be included. (70% literary material and 30% transactional material). Students will complete the Provincial Standards Exam at the end of the course.

PREREQUISITE: Grade 11 English Language Arts (Any Focus)

SPECIALIZED CREDIT GRADE 12

UNIVERSITY PREP 40S | ENCS4S – 1 Credit
This course emphasizes the technical communication process found in the post-secondary environment. The focus of the course is to transform high school writing into the formal expository style writing required for success in university. The materials used in this course come from a variety of sources such as interviews, manuals, research journals and documents. **This course does not count as the Grade 12 ELA credit required for graduation;** rather it is a second English Language Arts credit designed to assist students in developing their writing skills.

PREREQUISITE – Grade 11 English Language Arts (Any Focus)

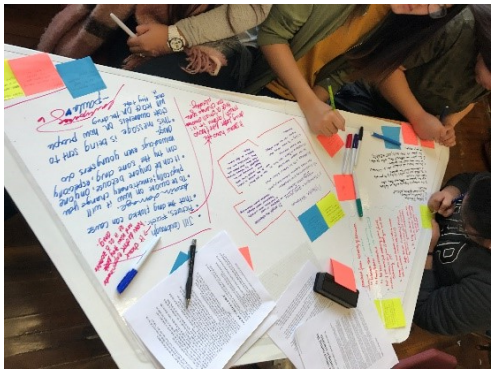
ADVANCED PLACEMENT CAPSTONE PROGRAM PATHWAY

AP CAPSTONE - SEMINAR | ELAP3S/ENGT3S – 2 Credits
This full year interdisciplinary course blends the Advanced Placement Seminar Program with a Grade 11 English Language Arts Transactional Focus credit. The course encourages students to demonstrate critical thinking, collaboration, and academic research skills on topics of the student's choosing. Students will develop and practice the skills in research, collaboration, and communication that are needed in any academic discipline. Students will investigate topics in a variety of subject areas, write research-based essays, and design and give presentations both individually and as part of a team.

PREREQUISITE – Grade 10 English/Reading Is Thinking (ENGR2F/RITR2S)

AP CAPSTONE - RESEARCH | ELAP4S/ENGT4S – 2 Credits
This full year interdisciplinary blends the Advanced Placement Research Program with a Grade 12 English Language Arts Transactional Focus credit. Students will build on what was learned in AP Seminar to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students will design, plan, and conduct a year-long research based investigation to address a research question.

PREREQUISITE – Grade 11 AP Capstone Seminar (ELAP3S)



HUMAN ECOLOGY

PROGRAM OVERVIEW

Human Ecology focuses on how individuals and families function within our society. An emphasis is placed on the importance of "family" as the basic unit in our society. Students will learn how needs are met by individuals, within the context of the family, by integrating theory and practical skills in the courses of Foods and Nutrition, Family Studies, and Textile Arts and Design. An emphasis is placed on an introduction to areas of study in post-secondary education including Nutritional Science, Child Development, Social Work, Education, and Fashion Technology.

Courses in Human Ecology include Foods and Nutrition, Textile Arts and Design, and Family Studies at the grade 10, 11 and 12 levels.

FOODS AND NUTRITION COURSES

FOODS AND NUTRITION 20S | FNUR2S - 1 Credit

This lab-based course develops your hands-on skills in food preparation while examining your nutritional needs. When you select this course, you will be able to examine the effects of food on health and the energy nutrients they contain. Learn to make healthy food choices by improving your ability to understand, evaluate and use food label information. Food labs will relate to the nutrition topics explored in class as well as the development of food preparation techniques.

FOODS AND NUTRITION 30S | FNUR3S – 1 Credit

This lab-based course allows you to gain information on topics such as wellness and lifestyle choices in the area of food selection and preparation throughout the life cycle. Increase your knowledge of topics such as foodborne illnesses, drink choices, vitamin supplements, vegetarianism and heart health to improve the quality of life for you and your family. The influences of culture and current research on personal food selection are examined. This course helps provide you with the necessary skills to plan meals and prepare a variety of foods.

PREREQUISITE: Grade 10 Foods (FNUR2S)

FOODS AND NUTRITION 40S | FNUR4S – 1 Credit

This is a lab-based course where you will explore how nutrition plays a role in your life. Current food related issues and topics are explored. Topics in this course include food trends, new food products, nutritional deficiencies, and current and future food technology. You will examine career opportunities in food science, food business, industrial food services and dietetics.

Note: the 40S Grade 12 course is recognized as a university entrance course.

TEXTILE ARTS AND DESIGN COURSES

TEXTILE ARTS & DESIGN 20S | TADR2S - 1 Credit

This lab-based course explores the use of fabric patterns to create appealing textile designs for housing and garment uses. Students explore both pattern symbols and fabric parts, and study how they contribute to overall construction. The design process is examined when selecting major textile projects. A variety of techniques is explored including zippers, buttonholes, applique, cross-stitch and embroidery.

TEXTILE ARTS & DESIGN 30S| TADR3S - 1 Credit

This lab-based course builds on the principles of design by exploring fashion in both a historical and a cross-cultural contemporary context. Students will choose a variety of skills to complete projects then incorporate the elements and principles of design to both fabric and garment construction. Techniques explored include batik, beadwork, and knitting or tie dying, along with basic sewing construction. Fashion sketching will also allow a creative exploration of clothing design.

TEXTILE ARTS & DESIGN 40S | TADR4S - 1 Credit

Students will be invited to develop design sketches and construct a project based on their creation. An examination of the fashion industry with a specific focus on Canadian designers and manufacturers will be explored. This course also offers a critical examination of global clothing and textile production with a particular emphasis on human and environmental implications.

FAMILY STUDIES COURSES

FAMILY STUDIES 20S | FSTR2S - 1 Credit

The course focuses on decision making around parenting and pregnancy choices, including an examination of teen pregnancy and adolescent sexuality. Current theories in the areas of human development and early childhood education will also be examined. Students will be given the opportunity to participate in the Reality Works Project by taking home an interactive mechanical doll over one weekend. Students will have the opportunity to build upon theoretical lessons by working in a community-based practicum setting.

FAMILY STUDIES 30S | FSTR3S – 1 Credit

This course focuses on the relationship of individuals and families within society. Students will learn how their social environment influences their own development. Students will also examine how improved communication and problem solving skills enhance the decisions they make today as adolescents and in their future as adults. In this study of individuals in the family context, students will apply and relate what is learned in the classroom to practicum experiences in elementary school classrooms. Students will have the opportunity to build upon theoretical lessons by working in a community-based practicum setting.

FAMILY STUDIES 40S | FSTR4S - 1 Credit

This course allows students to acquire knowledge about how families function within the broader context of community and society. Students will focus on how their personal development and relationships in adolescence influence life choices in adulthood. Topics include conflict resolution and violence prevention, mental and emotional well-being, and strategies to build healthy relationships. Current issues related to the Canadian family will be examined with a focus on careers related to family and children. Students will have the opportunity to build upon theoretical lessons by working in a community-based practicum setting.

Note: the 40S Grade 12 course is recognized as a university entrance course.

INDUSTRIAL ARTS

PROGRAM OVERVIEW

Industrial Arts courses integrate core academic subjects with hands on learning to develop lifelong skills for living and working in a changing technological environment. Students work with technology, tools, materials and processes to transform concepts and ideas into goods and services. Students work both independently and cooperatively as they apply decision-making, problem-solving and critical thinking skills to product construction. Courses are available in Industrial Arts at the Grade 10, 11 and 12 levels and include Electronics, Metalwork, Power Mechanics, and Woodworking.

METALWORK COURSES

METALWORK 20G | METR2G - 1 Credit

This is an introductory course designed to offer practical experience planning, designing and fabricating consumer products using common metal working processes. Topics discussed include safety, hand tools, wrought iron work, oxy-acetylene welding, arc welding, soldering, casting processes, flame-cutting, and potential careers.

METALWORK 3OG | METR3G - 1 Credit

This course is for students who wish to become more familiar with the fundamentals of metalwork, fabrication, problem solving, machinery design and planning. More emphasis will be placed on the use of power machines, advanced welding and finishing techniques. Students will develop skills through the completion of compulsory projects with the opportunity for personal expression.

PREREQUITISTE: Grade 10 Metalwork (METR2G)

METALWORK 40S | METR4S - 1 Credit

This course is an advanced metal working course that includes continued exposure/practice in welding, machining and fabrication. Successful completion of this course will prepare students for post-secondary work in metal working trades by choosing one of welding, machining, metal fabrication, or foundry work. Students will be able to undertake an individual program related to a future vocation.

PREREQUISITE: Grade 10 Metalwork (METR2G)

WOODWORKING COURSES

WOODWORKING 20G | WOOR2G – 1 Credit

This course is designed to introduce students to all phases of woodworking. Some of the topics include working from drawings, cost calculation, safe and proper use of hand and power tools, construction and finishing techniques, careers and consumerism.

WOODWORKING 30G | WOOR3G – 1 Credit

This course is for students who wish to become more familiar with woodworking and modern manufacturing. Students will design and build their own woodworking project. An emphasis will be placed on the use of power machines, advanced joinery and finishing techniques.

PREREQUISITE: Grade 10 Woodworking (WOOR2G)

WOODWORKING 40S | WOOR4S – 1 Credit

Students will work independently on more advanced projects of their own choice. An emphasis is placed on the use of jigs and fixtures used in mass production and fine furniture making. Design concepts and building construction will also be introduced. Successful completion of this course will prepare the student for post graduate courses, skilled trades and the world of work.

PREREQUISITE: Grade 10 Woodworking (WOOR2G)

POWER MECHANICS COURSES

POWER MECHANICS 20G | POMR2G – 1 Credit

This course will survey the basic operating principles of tools and the routine service procedures associated with the automobile and small engines. Students will complete theoretical as well as practical work on engine assembly, basic ignition, braking, charging, fuel delivery, tires, electrical, lubrication, cooling and starting systems.

POWER MECHANICS 30G | POMR3G – 1 Credit

This course offers practical as well as theoretical assignments in electronic ignition, standard transmissions, differentials, brakes, electrical, drive trains, lubrication and cooling systems. Students will be servicing lubrication, cooling, brake and starting/charging systems. They will perform minor tune-ups and routine maintenance service on road-worthy vehicles incorporating the use of service and reference manuals.

PREREQUISITE: Grade 10 Power Mechanics (POMR2G)

POWER MECHANICS 40S | POMR4S – 1 Credit

This course is designed for students who want to service the more complicated automotive systems on their own vehicles or planning a career in automotive, aircraft or heavy equipment mechanics trades. Topics to be covered include electronic ignition, power trains, fuel delivery, starting/charging, electrical, steering, suspension, exhaust and emission control systems. Students will also learn the use of advanced automotive testing equipment such as engine analyzer; battery load tester; starting/charging analyzer; and, emission control testing gauges.

PREREQUISITE: Grade 11 Power Mechanics (POMR3G)

APPLIED AUTOMOTIVE TECHNOLOGY – APRENTICESHIP PREP 40S | APTR4S – 1 Credit

This course includes an automotive technology practicum with a focus on school-to-work transition. Students will receive both the theory and practical application on the following topics: A.B.S. braking systems; advanced fuel injection technology; welding technology and fabrication; advanced automotive electronics; and, advanced steering and suspension systems. There will be an apprenticeship practicum with employers that is optional for students.

PREREQUISITE: Students must have successfully completed POMR3G to enroll in APTR4S Apprenticeship Prep. Students may be enrolled in POMR4G as well as APTR4S Apprenticeship Prep. Primary consideration will be given to students who have already complete POMR4G.

DRAFTING AND DESIGN TECHNOLOGY COURSES

DRAFTING AND DESIGN TECHNOLOGY 20G | DRAR2G – 1 Credit

This course is an introduction to drafting and design with a focus on basic mechanical drafting along with architectural drafting. Students will be using industry standard CAD software to create sketches and multi-view drawings. Vector Works and Google Sketch Up are used to complete projects. Floor plans, site plans and interior design plans are some of the drafting projects students will complete. This is an excellent course for anyone planning to pursue post-secondary education in Engineering, Architecture, Design or Manufacturing.

DRAFTING AND DESIGN TECHNOLOGY 30G | DRAR3G – 1 Credit

The aim of this course in to further enhance students' auto cad drafting knowledge in residential drafting and design. Emphasis of focus will be on geometric construction as well as residential buildings drawings for structural foundations, electrical schematics and material options. Students will have the opportunity to create, design and build projects in 3D printing application. This is an excellent course for anyone looking to pursue a number of different careers in the design, building or engineering industry.

PREREQUISITE: Grade 10 Drafting (DRAR2G)

BICYCLE REPAIR AND MAINTENANCE COURSES

BICYCLE REPAIR AND MAINTENANCE 20G | MEHR2G– 1 Credit

Students will have the opportunity to apply effective decision making, problem solving and design strategies to diagnose and resolve bike repair needs. They will develop proficiency with the selection and use of common and specialized tools required for repair and maintenance. Students will learn safe practices with tools, machines, materials and related processes. Each student will earn a bike for themselves and build another to be donated to the community.

LANGUAGES

FRENCH 20F, 30S, 40S | FRER – 1 Credit Each

The basic French program is designed to provide students with the theory and practice necessary to begin fluency in French. In addition to language study, students participate in a variety of activities, such as conversations, stories, plays, movies, online programs and games. French culture and its global influence are also addressed. No previous knowledge of French is required for the first level (French 20F). Bienvenue à la classe de Francais.

PORTUGUESE 20G, 30S, 40S | PORR – 1 Credit each

The aim of these courses is to enable students to develop some fluency in the language. Portuguese culture, influence and history are also explored. Students participate in a variety of activities such as skits, movies, games, songs and group projects. Instruction is in Portuguese and in English. Ben vindo!

SPANISH 20G, 30S, 40S | SPAR – 1 Credit Each

The basic Spanish program is designed to provide students with the theory and practice necessary to begin fluency in Spanish.

In addition to language study, a variety of activities are used to make this process enjoyable, such as conversations, stories, movies and games. Spanish culture and its global influence are also addressed. No previous knowledge of Spanish is required for the first level (Spanish 20G). Bienvenido a Español.

MATHEMATICS

PROGRAM OVERVIEW

The mathematics program is designed to provide prerequisite knowledge, skills, and critical-thinking skills for specific post-secondary programs or direct entry into the workforce.

- GRADE 9 MATHEMATICS: This is a required foundation course for all Grade 9 students.
- ESSENTIAL MATHEMATICS: This program is designed to provide students with the mathematical understandings and critical-thinking skills for entry into the majority of trades, and for direct entry into the workforce.
- APPLIED MATHEMATICS: This program is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies that do not require the study of theoretical calculus.
- PRE-CALCULUS MATHEMATICS: This program is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary studies that require theoretical calculus.
- ENRICHED PROGRAMMING: The Enriched Mathematics program focuses on exploring mathematical concepts at a more in-depth and challenging level through enrichment activities.

In selecting mathematics courses, students should select based on the requirements for admission to their desired post-secondary program. Programs may have specific grade entrance requirements. See your guidance counsellor for additional information.

COURSES

MATHEMATICS 10F | MATR1F/TRMR1F – 2 Credits

Math 10F is a compulsory course for all **Grade 9 students**. A main goal of the course is to enable students to reason and communicate mathematically with confidence. It includes such topics as Mathematical Reasoning, Statistics, Polynomials, Spatial Geometry/Transformations, Linear Relations, Powers and Exponents, and Trigonometry.Grade 9 Mathematics is a full year course. (A scientific calculator is required.)

ESSENTIALS MATHEMATICS 20S | ESMR2S – 1 Credit

Essential Mathematics 20S involves applications to practical problems from business and consumer mathematics. This course is intended for students whose post-secondary studies do not require math as a pre-requisite. Topics include: Analysis of Games and Numbers, Personal Finance, Measurement, 2-D Geometry, Trigonometry, Consumer Decisions, Transformations and Angle Construction. (A scientific calculator is required.)

INTRODUCTION TO APPLIED AND PRE-CALCULUS MATHEMATICS 20S | IAPR2S – 1 Credit

Introduction to Applied and Pre-Calculus Mathematics is the prerequisite for Applied 30S and Pre-Calculus 30S. This course is intended for students who are considering post-secondary studies that require math as a pre-requisite. It emphasizes independent thinking and the development of strong problem solving and analysis skills. Topics include rational and irrational numbers, powers of integers, linear measurements, proportional reasoning, linear relations and functional notation. (A scientific calculator is required.)

PREREQUISITE: Grade 9 Mathematics (MATR1F), with a recommended minimum grade of 75%

FULL YEAR INTRO TO APPLIED AND PRE-CALCULUS MATH | IAPR2S – 1 Credit

This course is for those students who recognize that they will be more successful with an extended time line to complete course material. Students will cover all course material with extra class time to work on examples and complete assignments. (A scientific calculator is required.)

PREREQUISITE: Grade 9 Mathematics (MATR1F), with a recommended minimum grade of 75%

ESSENTIAL MATHEMATICS 30S | ESMR3S – 1 Credit

Essential Math 30S involves applications to practical problems from business and consumer mathematics. The topics include: Analysis of Games and Numbers, Interest and Credit, 3-D Geometry, Statistics, Managing Money, Relations and Patterns, Trigonometry, and Design Modeling. (A scientific calculator is required.)

PREREQUISITE: Any Grade 10 Mathematics course

APPLIED MATHEMATICS 30S | APMR3S – 1 Credit

Applied Math 30S places emphasis on critical thinking and analysis of data using technology. The topics include: Measurement, Geometry/Trigonometry, Logical Reasoning, Statistics, Relations and Functions, Mathematics Research Project. (A TI-83/84 graphing calculator is required.)

PREREQUISITE: Grade 10 Introduction to Applied and Pre-Calculus (IAPR2S)

PRE-CALCULUS MATHEMATICS 30S | PCMR3S – 1 Credit

Pre-Calculus Math 30S places emphasis on theoretical problem solving and independent thinking. The topics include Algebra and Number Sense, Trigonometry, Relations and Functions. (A scientific calculator is required.)

PREREQUISITE: Grade 10 Introduction to Applied and Pre-Calculus (IAPR2S), with a recommended minimum grade of 70%

FULL YEAR PRE-CALCULUS MATHEMATICS 30S | PCMR3S – 1 Credit

This course is for those students who recognize that they will be more successful with an extended time line to complete course material. Students will cover all course material with extra class time to work on examples and complete assignments. (A scientific calculator is required.)

PREREQUISITE: Grade 10 Introduction to Applied and Pre-Calculus (IAPR2S), with a recommended minimum grade of 70%

ESSENTIALS MATHEMATICS 40S | ESMR4S – 1 Credit

Essential Math 40S involves applications to practical problems from business and consumer mathematics. Topics include Analysis of Games and Numbers, Vehicle Finance, Statistics, Precision Measurement, Career Life, Home Finance, Geometry and Trigonometry, Business Finance, Probability. (A scientific calculator is required.)

PREREQUISITE: Any Grade 11 Mathematics course.

APPLIED MATHEMATICS 40S | APMR4S - 1 Credit

Applied Math 40S places emphasis on critical thinking and analysis of data using technology. The topics include Financial Mathematics (Investing, Borrowing), Logical Reasoning, Probability, Relations and Functions, Design and Measurement, Mathematics Research Project. (A TI-83/84 graphing calculator is required.)

PREREQUISITE: Grade 11 Applied Math (APMR3S) or Grade 11 Pre-Calculus (PCMR3S)

PRE-CALCULUS MATHEMATICS 40S | PCMR4S – 1 Credit

Pre-Calculus Math 40S places emphasis on theoretical problem solving and independent thinking. The topics include Trigonometry, Permutations, Combinations and Binomial Theorem, Relations and Functions. (A scientific calculator is required.)

PREREQUISITE: Grade 11 Pre-Calculus Math (PCMR3S), with a recommended minimum grade of 70%

INTRO TO CALCULUS MATHEMATICS 40S | CALR4S – .5 Credit

This course is designed as an introduction to the topics taught in the first level University Calculus course. The topics include Limits, Derivatives, Applications of Derivatives, and Definite Integrals. (A scientific calculator is required.)

PREREQUISITE: Grade 12 Pre-Calculus Math (PCMR4S)

ENRICHED & ADVANCED PLACEMENT MATH COURSES

ENRICHED INTRODUCTION TO APPLIED/PRE-CALCULUS MATHEMATICS 20S | IAPE2S – 1 Credit

This course is the recommended choice for strong Mathematics students and leads to Advanced Placement Calculus in the grade 12 year. The course is taught at an accelerated pace and has a high content of challenging and enriching material. (A scientific calculator is required.)

PREREQUISITE: Minimum grade of 90% in Grade 9 Mathematics (MATR1F)

ENRICHED PRE-CALCULUS MATHEMATICS 30S | PCME3S - 1 Credit

Enriched Grade 11 Pre-Calculus is an excellent choice for strong students and is taught at an accelerated pace with a high content of challenging and enriching material. Students must register for both the Grade 11 Enriched class in semester one, and in the Grade 12 Enriched class semester two. Those students considering Advanced Placement Calculus can register for that course during their Grade 12 year. (A scientific calculator is required.)

PREREQUISITE: Minimum grade of 85% in Grade 10 Enriched Mathematics (IAPE2S) or 90% in Grade 10 Introduction to Applied and Pre-Calculus (IAPR2S)

ENRICHED PRE-CALCULUS MATHEMATICS 40S | PCME4S - 1 Credit

Students in this course must also be registered in the semester one Enriched Pre-Calculus 30S course. Students will be challenged and accelerated in the Grade 12 Pre-Calculus program as they prepare to enter into the Advanced Placement Calculus course in their grade 12 year. (A scientific calculator is required.)

PREREPQUISITE: Minimum grade of 85% in Grade 11 Enriched Pre-Calculus (PCME3S) is required to continue in the enriched program

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AP Calculus provides an opportunity to pursue college-level studies in high school and a first year university credit (based on receiving a 4 or 5 out of 5 on the AP Exam). The course covers differential and integral calculus topics. It is highly recommended that students will have completed the Enriched Pre-Calculus courses in their grade 11 year. The course runs for one and one-half semesters (September to May). (A TI-83/84 graphing calculator is required for this course.)

PREREQUISITE: Grade 12 Pre-Calculus Mathematics (PCMR4S or PCMR4E)

MEDICAL PROGRAM

PROGRAM OVERVIEW

The Medical Professionals Program (MPP) is offered as a three-year program that integrates academic and career related portions that will prepare students for study and careers related to the medical field and biomedical industry. Students completing this program will be exposed to the necessary topics, training and skills required for them to be successful in their chosen medical career paths. A student should pursue the MPP if they are interested in entering a medical field, enjoy studying human biology, are self-motivated, and can work in teams as well as independently.

COURSES

MEDICAL PROFESSIONALS PROGRAM I 20S | MD1R3S- 1 Credit

The first level of the course will introduce students to basic anatomy and physiology involving histology, skeletal and integumentary systems. Students will receive training in CPR/First Aid and be eligible for certification. Exposure to various medical professions and off-site visits will be an important component of the course.

MEDICAL PROFESSIONALS PROGRAM II 30S | MD2R3S -1 Credit

The second level of the MPP will continue the study of the human body with topics including the musculoskeletal system, nervous system, and pharmacology. Specialized research projects will have students explore specific topics related to human health, disease prevention, and treatment options. This level of the course includes a number of presentations from health care professionals, as well as students from various health care faculties.

PREREQUISITE: Medical Professionals Program I (MD1R3S)

MEDICAL PROFESSIONALS PROGRAM III 40S | INSR4S/MD3R3S - 2 Credits

The final level of the program will include CPR recertification and the study of biotechnology, diagnostic medicine, radiation therapy, infectious disease and health care systems. Students will take part in a number of off-site health science related learning activities. Each student will be encouraged to explore a specific medical profession, with further integration into an internship or mentorship.

PREREQUISITE: Medical Professionals Program II (MD2R3S)

MUSIC

PROGRAM OVERVIEW

The DMCI Music Program is designed for any student in any grade with a desire to learn more about singing or playing a musical instrument. The courses are designed to appeal to a diverse student population. The program fosters a love of music from many cultures, time periods, and genres while enabling students to learn and fluently use musical notation, sight reading, and listening skills. Participation in music courses encourages leadership, responsibility, teamwork, confidence, inter-personal relationships, and fosters a sense of community within the school. The mission of the Music Program at DMCI is to equip students with musical and personal skills that will prepare them for a productive and fulfilling life.

COURSES

CONCERT CHOIR 10S, 20S, 30S, 40S | MCCR – 1 Credit Each

Choir rehearsals are scheduled three periods per cycle, and students must attend both semesters to earn a credit. Students will study correct breathing and vocal techniques to enable the successful performance of choral repertoire. A wide variety of musical styles from different cultures, historical periods and languages will be presented for rehearsal and performances. Choristers are required to attend all performances.

CONCERT BAND 10S, 20S, 30S, 40S | MCBR – 1 Credit Each

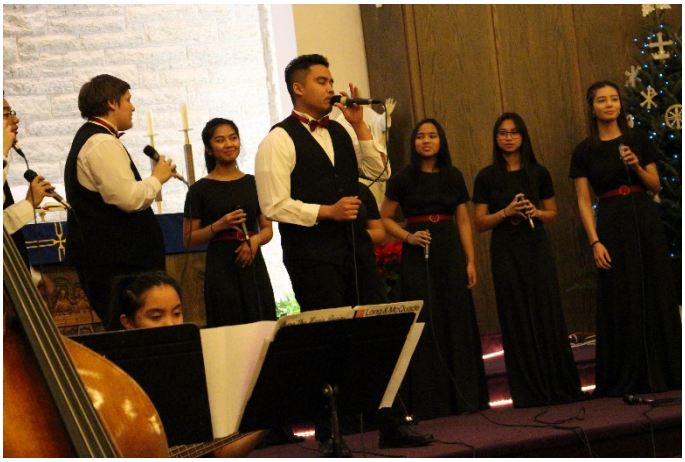
Concert band rehearses every second day throughout the entire year, and is offered in two different slots to allow for all band students to make it work in their timetables! Students will develop their musicianship through rehearsal in an ensemble setting. Students' musical skills and knowledge will grow through performing a variety of concert band literature, music theory, individual studies and group projects. Members of the band will participate in school concerts and festivals.

PREREQUISITE: Previous experience playing in concert band (or permission granted by teacher).

CHAMBER CHOIR 10S, 20S, 30S, 40S | MCER – 1 Credit Each

DMCI's Chamber Choir is an **auditioned** mixed vocal ensemble with between 16 and 24 singers. Singers in the Chamber Choir are vocally challenged through advanced level singing and complex harmonies in choral music from Medieval Period up to Twentieth Century and atonal compositions. Singers learn to work in small groups (sectionals) and become leaders within the group. Choristers also get many chances to work with professional conductors and guest adjudicators from throughout North America and Europe. Chamber Choir members are also members of the Concert Choir.

COREQUISITE: Concert Choir



VOCAL JAZZ CHOIR 10S, 20S, 30S, 40S | MVJR – 1 Credit Each

Vocal Jazz rehearsals are scheduled three times per week after school. Enrollment is limited to choir members who pass the **entrance audition** in September. Students will learn repertoire representing a variety of jazz styles, including swing, Latin, ballad and pop, and be required to demonstrate good microphone technique and dynamic stage presentation. As this group is in great demand for performances at a variety of functions, students must be prepared to participate in a busy performance schedule.

COREQUISITE: Concert Choir

JAZZ BAND 20S, 30S, 40S | MJBR – 1 Credit Each

This course is for students who like to challenge themselves and their musical development by playing a variety of jazz repertoire in a big band ensemble. The jazz band rehearses twice per week after school and performs in a variety of styles including swing, Latin, rock, ballads and funk. Focus will also be placed on learning basic jazz improvisational skills, collaboration to create original songs and jazz history. **THIS COURSE IS ENTERED THROUGH AN AUDITION PROCESS.**

COREQUISITE: Concert Band

JAZZ IMPROVISATION 20S, 30S, 40S | MU1R – 1 Credit Each

This course is designed as an intensive study in the process of jazz improvising. Students will learn the necessary skills to create improvised solos in a variety of jazz styles. These will include a combination of jazz theory, ear training, and improvisational techniques and games designed to allow for spontaneous musical expression. **THIS COURSE IS ENTERED THROUGH AN AUDITION PROCESS**.

COREQUISITE: Jazz Band or Vocal Jazz (or permission granted by instructor).

PIANO 10S, 20S, 30S, 40S | MPIR– 1 Credit Each

This program is designed for students who have little or no formal training on piano. Students learn basic music notation and the skills required for playing simple to intermediate level piano repertoire. Home practice is not required, since students can do all of their practicing at school. All piano students are invited to perform at the final recital. MPIR2S is a pre-requisite for students with no previous instrumental experience who wish to join the band program.

GUITAR 10S, 20S, 30S, 40S | MGUR – 1 Credit Each

This course is designed for students with little or no formal training on guitar. Students will learn the skills required for playing simple to intermediate level guitar repertoire and basic accompaniment styles. These skills will include basic levels of reading music staff and TAB notation, chord shapes and chord progressions, strumming patterns, scales and finger picking.

MUSICAL THEATRE 1G, 2G, 3G, 4G | PMOR – 1 Credit Each

Students involved in the school musical may receive a full credit in Musical Theatre. Vocal, Instrumental, Dance, Drama, Art and Technical support are the components that make up this program. The program runs outside the regular timetable, allowing students to maximize their course options. This is a wonderful opportunity to become actively involved in one of DMCI's most exciting events. **THIS COURSE IS ENTERED THROUGH AN AUDITION PROCESS.**

COREQUISITE: Concert Choir or Dance

DANCE

DANCE 10S, 20S, 30S, 40S | DANR – 1 Credit Each

This program is designed for students at all skill levels ranging from beginner to advanced. The course includes a variety of forms of dance, such as: jazz, modern ballet and hip hop. Program components include technique, theory, composition and presentation.

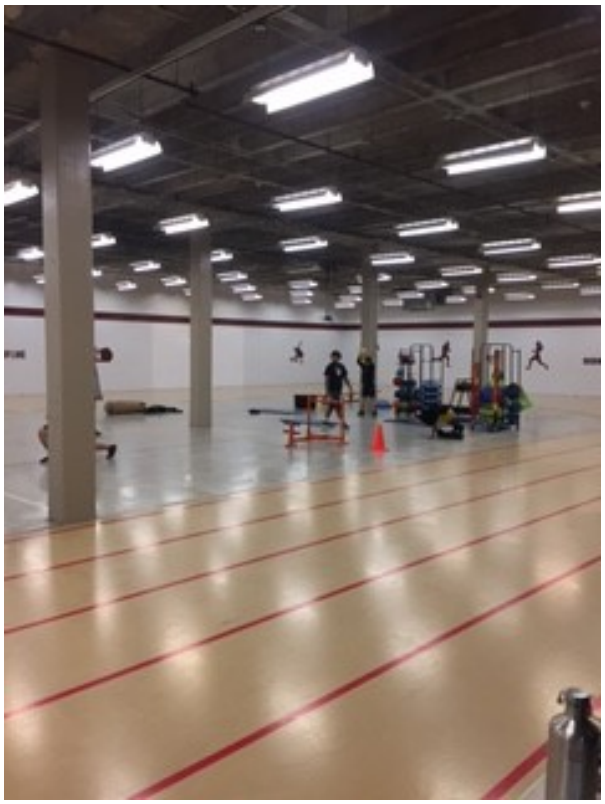
Students will have opportunities not only to learn and refine their techniques, but also develop their expressive and creative abilities. Students will be expected to perform at special school and community events.

PHYSICAL & HEALTH EDUCATION

PROGRAM OVERVIEW

The Physical & Health Education program focuses on providing students with balanced programming to develop the knowledge, skills, and attitudes for physically active and healthy lifestyles. The goal is for all students to be physically active and make healthy lifestyles choices.

COURSES



PHYSICAL EDUCATION & HEALTH 10F & 20F | PHER - 1 Credit Each

This is a full credit compulsory course that teaches students the benefits of leading an active and healthy lifestyle. This course is designed to allow students the opportunity to participate in a wide variety of activities that will increase their knowledge of fitness and build movement and personal management skills. The health portion of the course discusses topics such as Nutrition, Substance Abuse, First Aid/CPR, Family Life, Anti-Bullying, and Mental Wellness.

PHYSICAL EDUCATION – ACTIVE AND HEALTHY LIFESTYLES 30F & 40F | PHER – 1 Credit Each

This is a full credit compulsory course , the purpose of which is to give students the tools necessary to develop a lifelong active and healthy lifestyle. In doing so, we use a 70/30 model of delivery which means 70% in class (activity based) and 30% out of class practicum. During the 70% in class portion, students will be given the opportunity to participate in a variety of activities and learn about numerous health topics depending on their grade level (grade 11 or 12). The 30% out of class practicum allows the students the opportunity to develop and follow through on an activity plan that has been developed and revised throughout the course.

PHYSICAL EDUCATION – FITNESS ACADEMY 30F & 40F | PEFA – 1 Credit Each

This is a full credit course that teaches students the benefits of leading an active and healthy lifestyle while specializing in fitness training. In doing so, we use a 70/30 model of delivery which means 70% in class and 30% out of class practicum. During the 70% in class portion, students will be given the opportunity to participate and learn different fitness/training concepts using the variety of equipment we offer, as well as using different training principles to improve their own health. Students will also learn about numerous health topics, depending on their grade level (grade 11 or 12). The 30% out of class practicum allows students the opportunity to develop and follow through on an activity plan that has been developed and revised throughout the course. Recommended for students who want to pursue a higher level of education or want to pursue an area of fitness training in post-secondary education.

PHYSICAL EDUCATION – BASKETBALL ACADEMY 30F & 40F | PEAB – 1 Credit Each

This is a full credit course that teaches students the benefits of leading an active and healthy lifestyle while specializing in the sport of basketball. In doing so, we use a 70/30 model of delivery which means 70% in class and 30% out of class practicum. During the 70% in class portion, students will be given the opportunity to participate in advanced skill development, sport specific training techniques, officiating, as well as offensive and defensive concepts and systems. They will also learn about numerous health topics depending on their grade level (grade 11 or 12) The 30% out of class practicum allows students the opportunity to develop and follow through on an activity plan thathas been developed and revised throughout the course. Recommended for students who have played on a DMCI basketball team or those who want to pursue the game at a post-secondary level.

PHYSICAL EDUCATION – VOLLEYBALL ACADEMY 30F & 40F | PEAR – 1 Credit Each

This is a full credit course that teaches students the benefits of leading an active and healthy lifestyle while specializing in the sport of volleyball. In doing so, we use a 70/30 model of delivery which means 70% in class and 30% out of class practicum. During the 70% in class portion, students will be given the opportunity to participate in advanced skill development, sport specific training techniques, officiating and volleyball systems. They will also learn about numerous health topics depending on their grade level (grade 11 or 12). The 30% out of class practicum allows students the opportunity to develop and follow through on an activity plan that has been developed and revised throughout the course. Recommended for students who have played on a DMCI volleyball team or those who want to pursue the game at a post- secondary level.

SCIENCE

PROGRAM OVERVIEW

"The most incomprehensible thing about our universe is that it can be comprehended." – Albert Einstein.

Your understanding of science begins here at DMCI. Our science programs will help you explore the world around you and provide you with a solid foundation for your future careers in science. Advanced Placement (AP) classes, enriched classes, hands on labs, special projects and competitions, and partnerships with universities and the community provide students with a wide range of opportunities to challenge themselves and make their science learning at DMCI the best experience possible.

COURSES

SCIENCE 10F | SCIR1F – 1 Credit

To develop scientifically literate students, this course is built upon five foundations: skills and attitudes, reproduction, atoms and elements, nature of electricity, and exploring the universe. This course is compulsory for all students.

SCIENCE 20F | SCIR2F – 1 Credit

Science 20F is a course that is built upon five foundations for scientific literacy: skills and attitudes, dynamics of ecosystems, chemistry, forces and motion, and weather dynamics. This course is compulsory for all students.

PREREQUISITE: Grade 9 Science (SCIR1F)

BIOLOGY 30S | BIOR3S – 1 Credit

This is a biology program with a focus on the following clusters: biology skills and attitudes, wellness and homeostasis, digestion and nutrition, transportation and respiration, excretion and waste management, protection and control, and wellness and homeostatic changes. Studies will be based on the human species.

PREREQUISITE: Grade 10 Science (SCIR2F)

BIOLOGY 40S | BIOR4S – 1 Credit

In this continuation of Biology 30S, greater emphasis is placed on broad topics such as: classification of living things, cellular respiration, photosynthesis, protein synthesis, animal and plant diversity, and genetics.

PREREQUISITE: Grade 11 Biology (BIOR3S)

CHEMISTRY 30S | CHER3S – 1 Credit

Chemistry 30S is recommended for students who wish to pursue careers in the biological sciences, engineering, agriculture, aerospace and medical sciences including pharmacy. Topics include physical properties of matter, gases and the atmosphere, chemical reactions, solutions, and organic chemistry.

PREREQUISITE: Grade 10 Science (SCIR2F) AND Grade 10 Intro to Applied & Pre-Cal Math (IAPR2S)

CHEMISTRY 40S | CHER4S – 1 Credit

Chemistry 40S provides students with a more challenging aspect of chemistry topics. These include chemistry skills and attitudes, aqueous reactions, atomic structure, chemical kinetics, chemical equilibrium, acids and bases, and electrochemistry. A strong foundation in Pre-Calculus Mathematics is strongly recommended.

PREREQUISITE: Grade 11 Chemistry (CHER3S) AND Grade 11 Pre-Calculus Mathematics (PCMR3S)

PHYSICS 30S | PHYR3S – 1 Credit

Physics 30S introduces students to the basic concepts of physics. Unit topics include waves and sound, kinematics, nature of light, and fields. Emphasis is on linear relationships at this level. This course is recommended for students considering careers in science and technology.

PREREQUISITE: Grade 10 Science (SCIR2F) AND Grade 10 Intro to Applied & Pre-Cal Math (IAPR2S)

PHYSICS 40S | PHYR4S – 1 Credit

Physics 40S deals with the following topics: kinematics, dynamics, momentum, projectile motion, circular motion, work and energy, exploration of space, low Earth orbit, electric and magnetic fields, electric circuits, electromagnetic induction, and medical physics. A strong foundation in Pre-Calculus Mathematics is strongly recommended.

PREREQUISITE: Grade 11 Physics (PHYR3S) AND Grade 11 Pre-Calculus Mathematics (PCMR3S)

CURRENT TOPICS IN SCIENCE 30S | CTSR3S – 1 Credit

The focus of this course is to develop students' awareness of current issues plaguing Canada and the world in terms of climate change, and developing solutions to become a more sustainable society. Issues to be explored: Conservation of At Risk Species, Conservation of Rain Forests, Traditional Ecological Knowledge, Clean Energy Initiatives, Microplastics, The Status of the Great Lakes and Lake Winnipeg, and Sustaining Seven Billion People on Our Planet.

ENRICHED & ADVANCED PLACEMENT SCIENCE COURSES

SCIENCE ENRICHED 20F | SCIE2F – 1 Credit

The grade 10 Enriched Science is intended for students who have achieved academic success. The course is designed to provide a more in-depth study of the units outlined in the regular grade 10 program with a greater emphasis in applying quantitative analysis. Students wishing to pursue studies at the Advanced Placement level should consider this course.

CHEMISTRY ENRICHED 30S & 40S | CHEE – 1 Credit Each

Enriched Chemistry courses are designed to provide motivated students with a greater challenge and to prepare them for enrollment in Advanced Placement Chemistry. Students who successfully complete both courses will have a good understanding of the fundamentals of atomic and molecular structure, the nature of chemical and physical change, as well as becoming well prepared for studies at the college level.

PREREQUISITE: Grade 11 and Grade 12 Pre-Calculus Mathematics (PCMR3S and PCMR4S). Minimum grade of 80% in Grade 10 Science (SCIR2F/SCIE2F)

BIOLOGY ENRICHED 30S & 40S | BIOE – 1 Credit Each

Biology Enriched 30S is for students who love science, have had academic success in Grade 10 Science, or enriched Grade 10 Science, and are ultimately considering taking Advanced Placement Biology in Grade 12. This course deals mainly with human biology by taking an in-depth look at wellness and homeostasis. Biology Enriched 40S is the second level of preparation for those students who are considering post-secondary education or who wish to take Advanced Placement Biology in Grade 12. This course deals with a diverse selection of topics, including molecular and Mendelian genetics, evolution, classification, and bioenergetics.

PREREQUISITE: Minimum grade of 75% in Grade 10 Science Enriched (SCIE2F) OR Minimum grade of 80% in Grade 10 Science (SCIR2F)

PHYSICS ENRICHED 30S & 40S | PHYE – 1 Credit Each

Enriched Physics 30S is for students who have had academic success in Grade 10 Science, or enriched Grade 10 Science. Students who successfully complete both courses will have a good understanding of waves and sound, kinematics, nature of light, fields, dynamics, momentum, projectile motion, circular motion, work and energy, exploration of space, low Earth orbit, electric and magnetic fields, electric circuits, electromagnetic induction, and medical physics.

PREREQUISITE: Grade 11 and 12 Pre-Calculus Mathematics (PCMR3S and PCMR4S). Minimum grade of 80% in Grade 10 Science (SCIR2F/SCIE2F)

ADVANCED PLACEMENT (AP) BIOLOGY | BIOP4S – 1 Credit

This course is an excellent opportunity for students to experience university-level biology in the more relaxed setting of high school. The course covers all of the topics seen in 30S and 40S Biology, but in much greater depth. It also covers topics such as animal and plant diversity, ecology, and cutting edge biotechnology. Completing the AP Biology course greatly enhances the chance of success in first year University Biology for most students. This is a full year course.

PREREQUISITE: Grade 12 Biology (BIOR4S/BIOE4S)

ADVANCED PLACEMENT (AP) CHEMISTRY | CHEP4S – 1 Credit

This course is designed to be the equivalent of the general chemistry course usually taken during the first year of University. For some students, (who receive a 4 out of 5 on the AP exam) this course enables them to undertake, as first year students, second-year work in the chemistry sequence at the university level, or to register for courses in other fields where general chemistry is a pre-requisite. The course will take place over one and a half semesters (September to May).

PREREQUISITE: Grade 12 Chemistry (CHER4S/CHEE4S)

ADVANCED PLACEMENT (AP) PHYSICS | PH1P4S – 1 Credit

AP Physics 1 is a course that has been designed to help students develop a deep understanding of the foundational principles that shape classical mechanics. Students taking this course will have the opportunity to study university level physics in a high school setting. This course builds on the topics of kinematics, dynamics, circular motion, gravitation, momentum, and energy. The topics of simple harmonic motion, torque and rotational motion will also be introduced and studied in detail. Throughout the course there is an emphasis placed on data collection and experiments, along with experimental design. This course is a full year course and runs from September to May.

PREREQUISITE: Grade 12 Physics (PHYR4S) OR a combination of Grade 11 Physics (PHYR3S) and Grade 11 Pre-Calculus Mathematics (PCMR3S) with a minimum grade of 90% in both courses.

SOCIAL SCIENCES

PROGRAM OVERVIEW

The Manitoba Social Studies Curriculum studies people in relation to each other and to the world in which they live. In Manitoba, social studies comprises the disciplines of history and geography, draws upon the social sciences, and integrates relevant content from the humanities. As a study of human beings in their physical, social, and cultural environments, social studies examines the past and present, and looks toward the future. Social studies helps students acquire the skills, knowledge, and values necessary to become active democratic citizens and contributing members of their communities - locally, nationally, and globally.

COURSES

SOCIAL STUDIES: CANADA AND THE CONTEMPORARY WORLD 10F | SOSR1F – 1 Credit

Social Studies 10F is a compulsory course that is offered at the (Foundations) F level. The intention of the course is to help students gain a greater understanding of the society in which they live, their roles within that society, and the role of Canada within the world. Concepts that will be covered include: diversity and pluralism; democracy and government; Canada in a global context; and the challenges and opportunities experienced by citizens from the past to the present and into the future.

GEOGRAPHY: GEOGRAPHIC ISSUES OF THE 21ST CENTURY 20F | GEOR2F/GEOE2F – 1 Credit

Geography 20F is a compulsory course offered at both the Foundations (F) and Enriched (E) levels. Both levels include the same topics, but differ in their assignments and evaluations. Through this course, students will focus on a variety of issues and challenges of the contemporary world. They explore the nature of geography and develop skills related to geographic thinking. Students use the methods and tools of geography to examine issues and problems and propose solutions. They study concepts related to ownership and development of natural resources, production and distribution of food, development of industry and trade, and increased urbanization. Students consider these issues in the context of Canada, North America, and the world. Through their study, students become aware of the importance of the environment, stewardship, and sustainable development, as well as the social, political and economic implications of their personal choices.

PREREQUISITE FOR ENRICHED: 80% in Grade 9 Social Studies (SOSR1F)

CANADIAN HISTORY 30F | HISR3F – 1 Credit

History is a compulsory course. This course examines the history of Canada, starting with the First Peoples in Canada to the present. Student will be introduced to the relative issues and events that have occurred in the past; and describe and analyze how they have shaped the development of our country.

CANADIAN HISTORY ENRICHED 30F | HISE3F – 1 Credit

Enriched History differs in assignments and evaluations. This course examines the history of Canada, starting with the First Peoples in Canada to the present. Student will be introduced to the relative issues and events that have occurred in the past; and describe and analyze how they have shaped the development of our country.

PREREQUISITE: 80% in Grade 10 Geography (GEOR2F/GEOE2F)

A WORLD OF RELIGIONS: A CANADIAN PERSPECTIVE | WORR4S – 1 Credit

World Religions is an optional course designed to expand students' knowledge and appreciation of the various world religions that continue to shape and reflect human cultures. We will study the places, practices, and philosophies associated with Judaism, Christianity, Islam, Hinduism, Buddhism, Confucianism, and Taoism.

GLOBAL ISSUES: CITIZENSHIP AND SUSTAINABILITY 40S | GLIR4S – 1 Credit

Global Issues is an optional course offered at the Specialized (S) level. Students conduct inquiry into the social, political, environmental, and economic impacts of contemporary and emerging global issues. Through their inquiry, students 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. This course brings together information and ideas from different disciplines, in order to empower students to be agents of change for a sustainable and equitable future.

Due to the course content, it is recommended that any student taking this grade 12 options course would benefit from already having successfully completed a minimum of one of the following:

1. Grade 11 History and Grade 11 English
2. Grade 12 ESLR4S (EAL students)

WORLD GEOGRAPHY: A HUMAN PERSPECTIVE - 40G/40S | GEOR4G/GEOR4S – 1 Credit

This course deals with locations, patterns, distribution, and interrelationships between the physical and human environments in a constantly changing world. Specific topics of study relate to development, world population, food production, resources, energy and the environment. World Geography is an optional course offered at the General (G) and Specialized (S) levels. The G and S courses include the same topics, but differ in assignments and evaluations.

PSYCHOLOGY 40S | PSYR4S – 1 Credit

Psychology is an optional course offered at the Specialized (S) level. This is an introduction to the field of psychology and the major theorists who have influenced past and current psychological research. General topics include consciousness, perception, memory, learning, intelligence, human development, stress, abnormal behaviour, personality theories and current therapies. Guest speakers, case studies, observations, unit tests and a final exam are included in this course.

Due to the course content, it is recommended that any student taking this grade 12 options course would benefit from already having successfully completed a minimum of one of the following:

1. Grade 11 English or Grade 12 ESLR4S (EAL students)
2. Grade 11 Biology, Sports Psychology, or Family Studies

LAW 40S | LAWR4S – 1 Credit

Law is an optional course offered at the Specialized (S) level. This course studies Canadian law as it relates to investigation, criminal law, lawsuits, forensics, human rights, family law, etc. A field trip to observe the courts in action, guest speakers, movies, case studies, project work and group work are included in the course. Law 40S is now a Senate approved course which can be used to calculate the admission and entrance scholarship averages at the University of Winnipeg.

Due to the course content, it is recommended that any student taking this grade 12 options course would benefit from already having successfully completed a minimum of one of the following:

1. Grade 11 History and Grade 11 English
2. Grade 12 ESLR4S (EAL students)

CURRENT TOPICS IN HUMANITIES – SPORTS PSYCHOLOGY | RITR3S – 1 Credit

Sport Psychology is a branch of the larger psychological discipline. It is the branch of psychology which deals with the study and application of the psychological principles that enhance athletic performance. This class will cover a wide range of topics and skills including Focus and Concentration, Intrinsic and Extrinsic Motivation, Goal Setting and Assessment, The Power of Positive Attitude, The Power of Relaxation, Mental Imagery and Visualization, and Stress Management.

DMCI GRADUATION PLANNER

GRADUATION REQUIREMENTS ARE BASED ON THE SENIOR YEARS ENGLISH PROGRAM (30 CREDITS)

GRADE 9 COMPULSORY	CREDIT VALUE	CREDIT RECEIVED		GRADE 10 COMPULSORY	CREDIT VALUE	CREDIT RECEIVED
ENGLISH 10F	1.0			ENGLISH 20F	1.0	
READING IS THINKING 10S	1.0			READING IS THINKING 20S	1.0	
MATH 10F	1.0			MATH 20S _____	1.0	
SCIENCE 10F	1.0			SCIENCE 20F	1.0	
SOCIAL STUDIES 10F	1.0			GEOGRAPHY 20F	1.0	
PHYSICAL EDUCATIO 10F	1.0			PHYSICAL EDUCATION 20F	1.0	
OPTIONAL				OPTIONAL		
GRADE 9 TOTAL CREDITS				GRADE 10 TOTAL CREDITS		

GRADE 11 COMPULSORY	CREDIT VALUE	CREDIT RECEIVED		GRADE 12 COMPULSORY	CREDIT VALUE	CREDIT RECEIVED
ENGLISH 30S _____	1.0			ENGLISH 40S _____	1.0	
MATH 30S _____	1.0			MATH 40S _____	1.0	
PHYSICAL EDUCATION 30F	1.0			PHYSICAL EDUCATION 40F	1.0	
HISTORY 30F	1.0					
OPTIONAL (MINIMUM 1 CREDIT AT GRADE 11 LEVEL				OPTIONAL (MINIMUM 2 CREDITS AT GRADE 12 LEVEL		
GRADE 11 TOTAL CREDITS				GRADE 12 TOTAL CREDITS		

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