

Distance Learning



A Guide for Teacher Mediated Option

2013 - 2014

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Welcome to the Teacher Mediated Option (TMO)

Roles

In order to offer a successful TMO program to distance learners, many stakeholders are involved:

The TMO Consultant develops, coordinates, and administers the TMO Program while providing support to all TMO Stakeholders. The TMO Consultant liaises with the TMO Teachers, Proctors, Principal, and Students on a regular basis to ensure that the TMO policies, practices, and procedures are understood and adhered to.

A TMO Principal is appointed by the TMO Consortium Host School Division (Sunrise School Division). The TMO Principal provides leadership to the TMO Teachers and supports the successful implementation and delivery of TMO courses.

TMO Consortium members determine fees and other related policies. School divisions appoint a TMO School Proctor, usually a teacher or division employee, who is responsible for the on-site delivery and supervision of the TMO Students.

TMO Teachers prepare their courses and learning activities based on the Distance Learning Unit's Independent Study Option courses and deliver lectures via teleconference.

TMO Students are registered with a Manitoba school and located throughout the province. They attend the scheduled audio teleconference classes hosted by the TMO Teacher.

The Program

Grade 9 to 12 courses are offered on a six-day timetable. Course materials are provided by the DLU and follow Manitoba Education's provincial curricula.

Courses are timetabled within the school day and include a minimum of 40 minutes of teleconference class time.

Schools are to schedule students into supervised classes to meet or exceed required minimum time standards. Classes may be supervised by a librarian, a teacher, or by any arrangement that

schools find satisfactory.

All courses are held by audio teleconference. During class time, TMO Teachers review difficult concepts and content and answer any questions that the students might have. TMO Teachers and TMO Proctors work together to pace the students and encourage them to complete work on a set schedule.

TMO Students are given regular assignments that they send to the TMO Teacher via mail and/or email. Between classes, students may also contact the TMO Teacher by email or by phone (toll free number) for additional one-to-one or small group tutoring sessions.

Modifications and Adaptations

TMO grades 9-12 courses support Manitoba curriculum based outcomes at grade appropriate literacy and numeracy levels.

TMO courses are designated General (G), Specialized (S) or Foundation (F). These designations are noted in course titles seen on report cards or transcripts.

The DLU does not offer Modified (M) credit courses. Schools may grant Modified (M) credits for school attending students.

- Modification is defined as changes in the number or the content of learning outcomes a student is expected to meet in the provincial curriculum.

The DLU may be able to accommodate requests for adaptations to course material, assignments, exams/progress tests. This is to be discussed with a TMO Distance Learning Consultant prior to registering in a TMO course.

- Adaptation is defined as a change made in the teaching process, materials, assignments or pupil products to help a pupil achieve the expected learning outcomes.

Please direct inquiries to:

Teacher Mediated Option

555 Main Street, Winkler MB R6W 1C4

Fax: 204-325-1719

Telephone: 800-465-9915

Email: tmo@gov.mb.ca

Website: <http://www.edu.gov.mb.ca/k12/dl/tmo>



TMO Consortium Members

The consortium continues to operate the TMO Program in partnership with Manitoba Education. The participating school divisions include Sunrise School Division (host), Beautiful Plains School Division, Frontier School Division, Pine Creek School Division, Prairie Spirit School Division, Red River Valley School Division, Rolling River School Division and Turtle River School Division.

School Proctor Responsibilities

Schools that register students for Teacher Mediated Option (TMO) courses appoint a TMO Proctor. TMO Proctors are employees of the participating school.

New TMO Proctors must contact the TMO Consultant; the TMO Consultant will answer questions and provide information regarding, the course content, course prerequisites, and TMO Program policies and procedures.

TMO Proctor Expectations:

- Acts as a Liaison between the school, TMO Consultant, and/or the TMO Teachers:
 - o Ensures that students complete the TMO registration/application form and submits it with TMO Proctor/ School Principal and Parent/Guardian signatures.
 - o Provides an IEP to the TMO Consultant prior to registration; the consultant will review the IEP and may be able to accommodate requests for adaptations to course material, assignments, exams/ tests.
 - o Submits and returns assignments, tests, exams, projects, or essays to and from students and TMO Teachers.
 - o Administers and supervises TMO tests/exams and Provincial exams. If the TMO Proctor is unable to supervise, arrangements must be made to ensure there is a teacher in the room.
 - o Completes and submits withdrawal forms by the published deadline date to the Program Support Clerk.
 - o Consults with the TMO Consultant regarding students that do not meet end of semester course work submission deadlines. Only in exceptional circumstances will an extension be given, and only if documentation is provided (e.g. a doctor's note).

- Registers students for the Provincial Standards Tests. TMO Proctors are responsible for following the TMO Program's Policies and Procedures for Provincial Standards Tests set out by the TMO Consortium and Manitoba Education. In addition, Proctors must also use the Policies and Procedures for Provincial Tests found on the website:
 - o www.edu.gov.mb.ca/k12/assess/s_tests/index.html
- Ensures the students have the required supplies and textbooks.
 - o The DLU office will supply the course materials; supplies from the Manitoba Textbook Bureau must be ordered by TMO Proctor/School Principal.
- Ensures the students have the use of a speaker phone (with mute & volume option) or other teleconference system to access TMO audio teleconferences.
- Monitors student progress and attendance:
 - o Liaises with the TMO Teacher regarding student's attendance, progress, and behavior.
 - o Schedules regular meetings with student(s) to review the month-end progress reports.
 - o Promotes regular/punctual attendance and discusses attendance issues with students.
 - o Monitors deadlines for students to ensure assignments and courses are completed on time.
 - o Communicates student progress and attendance to parent(s)/ guardian(s).
 - o Records TMO marks on school issued transcripts.

Student Responsibilities

The design of the TMO program requires that students are able to work independently. Students are scheduled into regular classes, following a semester timetable. Students are expected to come to class prepared to engage with the TMO Teacher as well as fellow students joining the teleconference class. Assignments will be completed outside of the scheduled class times.

The TMO Teacher will pace the students throughout the course and students are expected to submit assignments in a timely manner for assessment. Students must submit individual assignments. Group assignments will not be accepted unless requested by the TMO Teacher.



Attendance

Attending class provides an opportunity to engage in conversations with the TMO Teacher and classmates. Participation enhances students learning opportunities beyond independent study.

Being on time is expected and demonstrates respect for other students and the TMO Teacher.

Obtaining Credit for a Course

- Students must complete all hand-in work and exams before a final grade will be issued.
- Assignments and re-done assignments, must be submitted by the published semester-end due date. Due to the nature of this distance learning program, late assignments cannot be accepted.
- A minimum mark of 40 percent is required on all exams/progress tests. A student receiving a mark less than 40 percent on an exam must contact their TMO Teacher to discuss options to raise their mark.
- The DLU issues a Statement of Standing for course credit to students who achieve a final grade of 50 percent or greater. Schools are responsible for recording this mark on school-issued transcripts.

Evaluation

Formative and summative reports will be provided to the schools from the TMO office/ TMO Teacher.

Plagiarism

Plagiarism is the use of another's words or ideas without giving credit where credit is due. Some examples are:

- Downloading material in whole or part from the Internet.
- Copying word for word from published or unpublished work.
- Paraphrasing published or unpublished material without bibliographic notation. If this becomes an issue, the TMO Teacher and the student will follow the school's policy.

Examinations

Tests and examinations are administered and supervised by the TMO Proctors in the schools and marked by the TMO Teacher.

Semester 1 Mid-term week – November 12-18, 2013
Semester 1 Final week – January 27- January 31, 2014
Semester 2 Mid-term week – April 11-17, 2014
Semester 2 Final week – June 2-6, 2014

Provincial Standards Assessment

All TMO students the Grade 12 English Language Arts and Mathematics courses are required to write the Provincial Standards Tests. The exam mark will account for 30% of the final mark.

For more policy and procedures information contact your School Division Board Office, TMO Principal, and/or TMO Consultant.

Please also visit:

http://www.edu.gov.mb.ca/k12/assess/docs/pol_proc/index.html

Test/ Assessment	Administration Dates	
	Semester 1	Semester 2
Grade 12 ELA Standards Test	January 7-10, 2014	June 2- 5, 2014
Grade 12 Essential Math Achievement Test	January 22, 2014	June 11, 2014



Getting Started: Procedures

Registration Timeline

March-December 2013

March - Complete course interest survey

May - Release of TMO Courses Available

June 18 - Early registration deadline

June 24 - Release of final timetable

September 3 - Registrations from June are faxed/mailed to schools for verification

September 4-6 - Confirmation of course registration changes and/or withdrawals.

September 9-11 - Course materials sent to schools

September 16 - First day of classes

October 4 - Withdrawal deadline date

October - Invoices sent to school divisions

December 20 - Semester 2 early registration deadline

January-June 2014

January 6-8 - Semester 2 registrations from June/ December are faxed/mailed to schools

January 16-17 - Course materials sent to schools

February 3 - Semester 2 starts

February 21 - Withdrawal deadline date

Students are registered on a first come, first served basis. Please register students early. Registrations will be accepted until the maximum 25 students per course. If the enrollment exceeds 25, then additional sections may be added. Before any course may be offered, minimum registration may be required. Schools will be notified when courses are not offered due to low enrollment.

Registration forms can be found at the back of this guide. They are also available at:
<http://www.edu.gov.mb.ca/k12/dl/tmo/forms.html>

Registration Fees

Members

Full-credit course \$600.00

Half-credit course \$450.00

Non-Member

Full-credit course \$700.00

Half-credit course \$525.00

Course Materials

For each student registration, school divisions will be invoiced for and shipped one course package, including the provided resources. The cost of each course package is \$70.00 plus G.S.T.

- Invoices are sent to all school divisions.
- Semester 1 payment is due in October.
- Semester 2 payment is due in March.
- School Divisions make payment to Sunrise School Division.

Textbooks

Textbooks listed in the TMO Guide identified by (MTBB) are to be acquired through the:

Manitoba Text Book Bureau

130 - 1st Avenue West

P.O. Box 910

Souris MB R0K 2C0

Telephone: 204-483-5040

Toll free: 866-771-6822

Fax: 204-483-5041

Please contact the Manitoba Text Book Bureau for prices.

Resources/Technology

- Many courses have minimum supplies requirements. Schools must purchase supplies when registering students in any of these courses. A list of resources that will be required/ suggested for each course will be available before classes start for those registered.
- Please check the course descriptions for specifications and ensure relevant technology is available prior to registering.

Minimum Equipment Requirements

- A good speaker phone with a mute button option and volume control.
Multiple classes are scheduled at the same time and each class requires its own speakerphone or teleconference system.

Refund Policies

- TMO Course Fees are non-refundable.
- TMO Course Materials are non-refundable.

Withdrawals

- Students can withdraw from a course without academic penalty.
- Please see the Course Withdrawal Form at the back of this guide. It is also available at:

<http://www.edu.gov.mb.ca/k12/dl/tmo/forms.html>



Grade 9-12 Courses

In an effort to provide increased credit options to Manitoba students, the TMO program assists school divisions in offering courses by audio teleconference, under the supervision of teacher mediated instruction. Registrations for these courses are only available to students enrolled in an educational institution.

The following course offerings are subject to a minimum enrollment and TMO Teacher availability.

TMO - Compulsory Courses			
Grade 9	Grade 10	Grade 11	Grade 12
English Language Arts 10F Mathematics 10F Canada in the Contemporary World 10F Science 10F	English Language Arts 20F Essential Mathematics 20S Geographic Issues of the 21st Century 20F Science 20F	ELA: Transactional Focus 30S Essential Mathematics 30S History of Canada 30F	ELA: Transactional Focus 40S Essential Mathematics 40S
TMO - Optional Courses			
Art 10G German 10G Home Economics 10G Electricity/Electronics 10G	German 20G Retailing 20S Keyboarding 25S- ½ Credit Electricity/Electronics 20F	German 30S	

Physical Education/Health Education

Teacher Mediated Option will not be offering the required Physical Education/Health Education courses, they are offered through:

Independent Study Option

- Grade 9 Physical Education/Health Education (10F)
- Grade 10 Physical Education/Health Education (20F)
- Grade 11 Active Healthy Lifestyles (30F)
- Grade 12 Active Healthy Lifestyles (40F)



BUSINESS AND MARKETING EDUCATION

Grade 10 Keyboarding (25S)

½ Credit (2011) **T1270 25S 001**

Computer and Internet access required

This half credit course will improve students typing accuracy and speed on computer keyboards, using the touch-keying technique (keeping one's eyes on the copy and/or screen, not the keyboard, while typing). Each module consists of lessons that provide opportunities to practice and apply keyboarding skills in order to create, edit and format a variety of types of documents efficiently. Learning Activities throughout this course provide students with the opportunities to practice their skills prior to completing assignments.

The course is structured as follows:

Module 1: The alphabetic Keyboard

Module 2: Numeric Keys on the Alphabetic Keyboard

Module 3: The Numeric Keypad

Required Resources

- Access to a computer
- A word processor such as Microsoft Office or Microsoft Works
- One of the following methods to submit assignments
 - 1) Email program to email assignments
 - 2) CD burning capability to forward your assignments on CD (the CD will be returned to students)
 - 3) Flash drive to forward your assignments on the flash drive (the flash drive will be returned to students)

Knowledge of attaching files to an email, burning CDs or transferring data to flash drives is required.

PLEASE NOTE: TMO does not provide technical support for hardware related issues; consult your teacher for software support. If further troubleshooting is required you may have to consult the software manufacturer or a professional computer technician.

Grade 10 Retailing (20S)

1 credit (2011) **T1273 20S 002**

This course introduces you to the dynamic field of retailing. You will also review retailing from a management perspective. You will learn about the various activities involved in selling goods or services directly to consumers. In order to complete this course you will be required to visit retail outlets and interview business owners or store managers. The course is divided into eight modules. It is structured as follows:

- Module 1: Introduction to Retailing
- Module 2: Store Policies
- Module 3: Analyzing Target Markets
- Module 4: The Buying Process
- Module 5: Inventory
- Module 6: Pricing
- Module 7: Store Image, Layout, and Displays
- Module 8: The Selling Process

Required Resources

- Calculator
- Flyers or newspapers
- Photocopier
- Spreadsheet Program
- Video camera or other device that can record sound

Suggested Resources

- Access to the Internet
- Email program



ENGLISH LANGUAGE ARTS

Grade 9 English Language Arts (10F) 1 credit (2011) **T0001 10F 002**

This course facilitates the language development in the areas of listening, speaking, reading, writing, viewing and representing. The student will gain knowledge and develop skills, strategies, and attitudes to enhance their learning. The study of English Language Arts enables students to understand and appreciate language and to use it confidently in a variety of situations.

It is structured as follows:

- Sequence 1: Self and Others
- Sequence 2: The Zine
- Sequence 3: Communities and Culture
- Sequence 4: The Conflicts in Our Lives
- Sequence 5: The Pattern of Story
- Sequence 6: Longer Works
- Sequence 7: Media Literacy
- Sequence 8: The Showcase Portfolio

Assessment is based on the work completed during the course; and in particular, on the student's demonstration of the knowledge, skills and strategies, and attitudes identified in the specific learning outcomes.

Required Resources

- Access to a tape recorder or other media-recording. Recording options should be discussed with your teacher
- A blank audiotape (or microcassette or CD)
- A three ring binder or folder to be used as your Resource Binder
- Grade 9 ELA Supply list is provided in the course and at

http://www.edu.gov.mb.ca/k12/dl/iso/senior/gr9_ela_supply_list.pdf

Suggested Resources

- Aaron, Jane E. *The Little, Brown Compact Handbook*. (11888) MTBB
- *Gage Canadian Dictionary*. (6204) MTBB
- *Gage Canadian Thesaurus*. (10428) MTBB
- Word processor to write some of your assignments

Novel

You will be notified at the beginning of the semester which novel will be needed for this course.

Textbooks

- Barlow-Kedves, Alice, Carrie Collins, Ian Mills, Robin Pearson, Wendy Mathieu, and Susan Tywoniuk. *SightLines 9*. (7702) MTBB
- Dawe, Robert, Barry Duncan, and Wendy Mathieu. *ResourceLines 9/10*. (7703) MTBB

Grade 10 English Language Arts (20F) 1 credit (2005) **T0001 20F 001**

This course will help facilitate the language development of Grade 10 students.

It is structured as follows:

- Sequence 1: Starting with Yourself as a Learner
- Sequence 2: Introducing Yourself to Others
- Sequence 3: Significant People in Your Life:
The Influence of Parents
- Sequence 4: Finding Yourself and Your Place in
the World
- Sequence 5: The Many Forces That Influence
People: Novel Study
- Sequence 6: More Influential Factors in Our
Lives: How the Values of Friends
and Peers Affect Us
- Sequence 7: Newsmakers of Today: People
Who Influence Our World
- Sequence 8: The Showcase Portfolio

Assessment is based on the work completed during the course and in particular, on the student's demonstration of the knowledge, skills, and strategies, and attitudes identified in the specific learning outcomes.

Provided Resource

- *Mrs. Bertha's Flowers* Audio CD

Novels

You will be notified at the beginning of the semester which novel will be needed for this course.

Suggested Resources

- *Gage Canadian Dictionary*. (6204) MTBB
- *Gage Canadian Thesaurus*. (6206) MTBB

Textbook

- Dawe, Robert; Duncan, Barry; Mathieu, Wendy. *ResourceLines 9/10*. (7703) MTBB
- Crane, Mary; Fullerton, Barbara; Joseph, Amanda. *SightLines 10*. (8241) MTBB



**Grade 11 English Language Arts
Transactional Focus (30S)
1 credit (2007) T0094 30S 002**

This course will assist with the language development of Grade 11 students. The emphasis of this course is 70% pragmatic/practical and 30% aesthetic/reflective. In order to meet the learning outcomes, students will engage with and compose texts primarily to gain information or discern another point of view, to compare and weigh ideas, to argue a case, and to conduct daily transactions. Pragmatic communication is audience-specific; as speakers, writers, and representers, they learn to express themselves clearly, logically, and with an intended effect. Some of the learning experiences include: creating a zine, designing a pamphlet, recording an oral presentation, producing an advertisement, and creating a portfolio.

The course is structured as follows:

- Sequence 1: Getting Acquainted
- Sequence 2: Advertising
- Sequence 3: From Fiction to Fact: Self-Directed Inquiry
- Sequence 5: Messages in the Workplace
- Sequence 6: Samples and Reflections (Portfolio)

Novels

You will be notified at the beginning of the semester which novel will be needed for this course.

Suggested Resources

- *Gage Canadian Dictionary*. (6204) MTBB
- *Gage Canadian Thesaurus*. (6206) MTBB

Textbook

- Sebranek, Patrick, Meyer, Verne and Kemper, Dave. *Writers INC: A Student Handbook for Writing and Learning*. (72090) MTBB



**Grade 12 English Language Arts
Transactional Focus (40S)
1 credit (2003) T0094 40S 001**

This course will assist with the language development of Grade 12 students. The emphasis of this course is 70% pragmatic/practical and 30% aesthetic/reflective. The Transactional Focus stresses the pragmatic uses of language: language that informs, directs, plans, persuades, analyzes, argues, and explains. This course is designed for those students who wish to work with and create non-fictional materials. The overall theme of this course is "influences"; students will explore and reflect on significant people, communities, and places/events that have helped shape their lives. Students will have the opportunity to: create their own biopic, pre-prepare and conduct interviews, write a tribute, report, and reflective essay, and design a portfolio.

The course is structured as follows:

- Sequence 1: Influences and Self
- Sequence 2: Influences and Other
- Sequence 3: Local and Global Community Influences
- Sequence 4: Reminiscences
- Sequence 5: Using Language to Share and Celebrate (portfolio)

Provided Resource

Audio

- 0094 40S 010 Haas, Maara. *The Green Roses Kerchief*. 1997

Memoirs

You will be notified at the beginning of the semester which novel will be needed for this course.

Suggested Resources

- *Gage Canadian Dictionary*. (6204) MTBB
- *Gage Canadian Thesaurus*. (6206) MTBB

Textbook

- Sebranek, Patrick, Meyer, Verne and Kemper, Dave. *Writers INC: A Student Handbook for Writing and Learning*. (72090) MTBB



GERMAN

Note: If sufficient German-speaking students enroll, the course will be conducted in German. A German-English dictionary is recommended for all grade levels.

Grade 9 German (10G) 1 credit (2006) **T1002 10G 007**

This course provides learning opportunities in the basic German language arts: reading, writing, and viewing, speaking, and listening. It aims to assist students in developing basic oral and written communication skills. Upon completion of this course, students should be able to speak, comprehend, read, and write German at a basic level of proficiency.

Students are provided with dialogues and reading passages to improve speaking, listening, and reading comprehension skills. Students are encouraged to read, listen to German songs, and interact with German-speaking people.

Provided Resources

- 2 maps

Audio

- (1032 10G 020) *German (10G)*

Video

- CD-0776 *German (10G)*

Required Resources

- Device to listen to audio CD and/or record audio files (Other recording options can be discussed with the Teacher)
- Device to view video CD
- German-English dictionary

Grade 10 German (20G) 1 credit (1994) **T1002 20G 003**

Each module presents the opportunity to practice and improve your communication skills (e.g., listening, speaking, reading, and writing) in German. Grammatical concepts are also studied and explained.

Provided Resource

Audio

- 1032 20G 010 *Lehrwerk für Deutsch als Fremdsprache. Themen 2.*

Required Resources

- Device to listen to audio CD and/or record audio files (Other recording options can be discussed with the Teacher)
- German-English dictionary

Textbooks

- *Lehrwerk für Deutsch als Fremdsprache. Themen 2 Kursbuch.* Hueber Verlag, Munchen, (24510) MTBB (reprint)
- *Lehrwerk für Deutsch als Fremdsprache. Themen 2 Arbeitsbuch Ausland.* Hueber Verlag, Munchen (24511) MTBB (reprint)
- *Lehrwerk für Deutsch als Fremdsprache. Themen 2 Glossar Deutsch—English.* Hueber Verlag, Munchen. (24512) MTBB (reprint)



Grade 11 German (30S) 1 Credit (1993) T1002 30S 003

This course requires prior knowledge of German equivalent to the Grade 10 level. This course gives students an opportunity to practice communication skills i.e. listening, speaking, reading, and writing in German. Students will also learn about German culture, literature, and heritage, and gain awareness of how people in German speaking countries live, think, and express themselves. Access to the teacher will support listening and speaking skills as well as other aspects of the course.

Provided Resources

- Glossary of Terms

Audio

- 1032 30S 010 Lehrwerk für Deutsch als Fremdsprache. Themen 2.

Required Resources

- Device to listen to audio CD and/or record audio files (Other recording options can be discussed with the Teacher)
- German-English dictionary

Textbooks

- Lehrwerk für Deutsch als Fremdsprache. *Themen 2 Kursbuch*. Hueber Verlag, Munchen, (24510) MTBB (reprint)
- Lehrwerk für Deutsch als Fremdsprache. *Themen 2 Arbeitsbuch Ausland*. Hueber Verlag, Munchen (24511) MTBB (reprint)
- Lehrwerk für Deutsch als Fremdsprache. *Themen 2 Glossar Deutsch–English*. Hueber Verlag, Munchen, (24512) MTBB (reprint)



SOCIAL SCIENCES

Grade 9 Art (10G) 1 credit (2008) **T0202 10G 002**

In this course, students learn about visual communication - using forms and images to express ideas. Learning about and through the visual arts gives students the opportunity to see their world in a new way. Students look at the work of different artists and examine the way they communicate. They learn the language of art, explore a variety of art media and create their own works of art. This course also provides an opportunity for them to find their own unique and personal voice as they explore a wide variety of topics.

It is structured as follows:

Module 1: Art is...
Module 2: Self
Module 3: Environment
Module 4: Community
Module 5: Culture
Module 6: Society

Provided Resources

- Two pieces of 1" foam for print making
 - Student Resource Package
- www.edu.gov.mb.ca/k12/dl/iso/senior/art_kit_list.pdf

Video

- CD-1610 *Art Talk: Part 1*
- CD-1611 *Printmaking: Part 2*

Suggested Resources

- A camera (digital or 35mm)
- A sheet of plate glass or Plexiglas (acrylic)
- Newspapers and magazines

Textbook

- Hobbs, Jack, Richard Salome, and Ken Vieth. *The Visual Experience*. (2832) MTBB

Grade 9 Home Economics (10G) 1 credit (2010) **T0482 10G 001**

This course specializes in hands-on learning experiences through the integration of skills and knowledge that can be applied to authentic work and home/life situations.

The purpose of this course is:

- to encourage students to make positive behavioural changes in their diet and lifestyle through practical application of theoretical knowledge.
- to provide students with the opportunity to reflect on decisions that affect relationships and their own well-being throughout life.
- to provide students with the opportunity to learn about clothing and textiles. Discussion topics include clothing messages, wardrobe planning, and the construction, care, and selection of clothing.

It is structured as follows:

Module 1: Nutrition and Food
Module 2: Family Studies
Module 3: Clothing and Textiles

Provided Resources

- *Eating Well with Canada's Food Guide*
- Video**
- CD-1205 *Grade 9 Home Economics (10G)*

Suggested Resources

- Access to a computer for word processing is highly recommended
- Access to a home kitchen
- Camera or video camera

Required Resources

Select one of the following hand sewing kits:

Beginner: Mactavish - Dog (5048) MTBB
Beginner: Soccer Ball (5047) MTBB
Intermediate: Kitty Kat (5049) MTBB
Intermediate: Skateboard (5050) MTBB
Advanced: Turtle (5051) MTBB

Please Note:

Some of the content and issues pertaining to *Grade 9 Home Economics (10G)* may be sensitive for some students and their parents/families and or communities. This sensitive content is contained in one lesson. Students have a choice of completing this lesson or an alternative one which does not contain sensitive content.



INDUSTRIAL ARTS

Grade 9 Electricity/Electronics Technology (10G)

1 credit (2012) **T7974 10G 003**

This course will expose students to the fundamental concepts of electronics. The student does not require a background in electronics. The content in this course is applied to written assignments, constructing projects, initiating student challenges, and conducting experiments. Students are guided through the course with reference to the video that demonstrates skills and safety precautions. Given the hands on nature of this course, student supervision is highly recommended. Each student is to purchase/complete the electricity projects. Group submissions will not be accepted.

Module 1: Electricity: The Shocking Facts on How it is Produced

Module 2: Safety

Module 3: Electronic Components

Module 4: Building a Project: Getting Started with Your Tools and Equipment

Module 5: Series, Parallel, and Combination Circuits

Module 6: Linking Education to Careers: What Do You Want to do for the Rest of Your Life?

Module 7: Major Project

Provided Resource

Video

- DV-1114 *Grade 9/10 Electronics DVD*

Suggested Resources

Each student is to purchase/complete the electricity project. Group submissions will not be accepted.

- *Electricity Kit* (9993) MTBB*
- *Electricity Kit* (without Tool Kit) (3308) MTBB*
- *Circuit Board only -if a second circuit is desired* (3307) MTBB*

* Choose one of the above kits. Please check individual kit contention the content list provided at www.edu.gov.mb.ca/k12/dl/iso/senior/gr9_electricity_supplies.pdf to determine which kit is suitable for your needs. We recommend calling MTBB to verify the cost of this kit before purchasing the course.

- 9 volt batteries
- Calculator
- Safe work area with 120 volt 15 amp household power supply

Grade 10 Electricity/Electronics Technology (20G)

1 credit (2012) **T7974 20G 000**

This course will further student understanding of the basics of electricity and electronics. The Grade 9 Electricity/Electronics course is a recommended prerequisite but it is not a required prerequisite to register in this course. The Grade 10 course assumes that students will have prior knowledge learned in the grade 9 course or from other appropriate sources. The content in this course is applied to written assignments, experiments, learning activities and the construction of two projects. Students are guided through the course with reference to the video that demonstrates skills and safety precautions. Given the hands on nature of this course student supervision is highly recommended. Each student is to purchase/complete the electricity projects. Group submissions will not be accepted.

Module 1: Introduction to Electronics

Module 2: The Basics of Electricity

Module 3: Capacitors and Semiconductors

Module 4: Ohm's Law and Circuit Fundamentals

Module 5: Magnetism and Induction

Provided Resource

Video

- DV-1114 *Grade 9/10 Electronics DVD*

Suggested Resources

Each student is to purchase/complete the electricity project. Group submissions will not be accepted.

- *Electricity Kit* (13194) MTBB*
- *Electricity Kit* (without Tool Kit) (13193) MTBB*

* Choose one of the above kits. Please check individual kit contention the content list provided at www.edu.gov.mb.ca/k12/dl/iso/senior/gr9_electricity_supplies.pdf to determine which kit is suitable for your needs. We recommend calling MTBB to verify the cost of this kit before purchasing the course.

- 9 volt batteries
- Calculator
- Safe work area with 120 volt 15 amp household power supply



MATHEMATICS

Grade 9 Mathematics (10F) 1 credit (2010) **T0080 10F 012**

This course develops foundation skills and ideas that you will need to continue studying math in the future. Problem solving, communication, reasoning and mental math are some of the themes you will discover in each module. There are four main areas you will be exploring: numbers, relations and patterns, geometry and statistics and probability. After completing this course, you will have gained critical skills and knowledge that you will need for future math learning and confidence in your abilities as a mathematician.

The course is structured as follows:

Module 1: Statistics
Module 2: Number Sense
Module 3: Powers
Module 4: Polynomials
Module 5: Linear Relations
Module 6: Circle Geometry
Module 7: 2-D and 3-D Objects
Module 8: Symmetry

Required Resources

- Graphing or Scientific calculator
- Metric Ruler
- Protractor
- Graph Paper

Suggested Resources

- Access to the Internet is recommended as the course will make reference to support material found on the Internet. Students also have the ability to email their assignments for marking.
- Newspapers or magazines

Grade 10 Essential Mathematics (20S) 1 credit (2011) **T3000 20S 001**

Note: Students may not hold credit in this new course **and** in either of the former *Consumer Mathematics 25G Part I and Part II (code 3911/3912)* and/or *Consumer Math 20S (code 3904)* course

This course develops math skills, ideas, and confidence that will enable students to continue studying math in the future. Students will use many of the skills that they already have learned to solve problems and so basic arithmetic operations. There are four main areas that will be explored in this course: personal finance, shapes and space, numbers and decision making. Problem solving, communication, reasoning, and mental math are some of the themes you will discover in each module.

The course is structured as follows:

Module 1: Gross Pay, Time Cards
and Percents
Module 2: Net Pay
Module 3: Measurement
Module 4: Geometry
Module 5: Working with Angles
Module 6: Consumer Decisions
Module 7: Trigonometry
Module 8: Transformations

Required Resources

- Graphing or Scientific calculator
- Metric Ruler (15 cm long)
- Imperial Ruler (6 inches long)
- Geometry set including a set of compasses, a protractor, and a set square

Suggested Resources

- Access to a computer with spreadsheet and graphing capabilities will be an advantage, but not a requirement. If students do not have access to an online computer, they will be able to complete the related learning activities and assignments without it.
- Access to the Internet is recommended as the course will make reference to support material found on the Internet.



Grade 11 Essential Mathematics (30S) 1 credit (2012) T3000 30S 000

Note: Students may not hold credit in this new course **and** in either of the former *Consumer Mathematics 35G Part III and Part IV (code 3913/3914)* and/or *Consumer Math 30S (code 3904)* course.

Computer and Internet access required

The Grade 11 Essential Mathematics course builds on the knowledge and skills students gained while studying Grade 10 Essential Mathematics. In general, the Essential Math curriculum emphasizes consumer applications, problem solving, decision making, and spatial sense. The specific topics in Grade 11 are listed below. After completing this course, the students will be well-prepared to complete Grade 12 Essential Mathematics.

It is structured as follows:

Module 1: Interest and Credit

Module 2: 3-D Statistics

Module 3: Statistics

Module 4: Managing Money

Module 5: Relations and Patterns

Module 6: Trigonometry

Module 7: Design Modelling

Required Resources

- Graphing or Scientific calculator
- Metric Ruler (15 cm long)
- Imperial Ruler (6 inches long)
- Geometry set including a set of compasses, a protractor, and a set square

Suggested Resources

- Access to a computer with spreadsheet and graphing capabilities. If students do not have access to a computer, they will be able to complete the related learning activities and assignments without it.
- Access to the Internet is recommended as the course will make reference to support material found on the Internet.

Grade 12 Essential Mathematics (40S) 1 credit (2002) T3000 40S 000

Note: Students may not hold credit in this new course **and** in either of the former *Consumer Mathematics 45S Part V and Part VI (code 3915/3916)* and/or *Consumer Math 40S (code 3904)* course.

The Grade 12 Essential Mathematics course builds on the knowledge and skills students acquired while studying Grade 11 Essential Mathematics. In this course students will investigate new ideas and concepts while building the confidence needed to make decisions and solve problems related to consumer applications of mathematics. It is structured as follows:

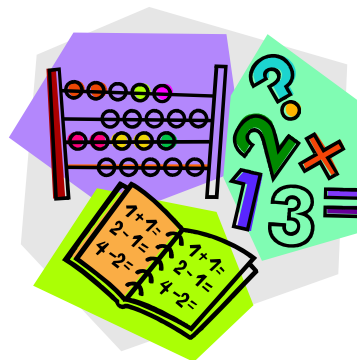
- Module 1: Home Finance
- Module 2: Geometry and Trigonometry
- Module 3: Business and Finance
- Module 4: Probability
- Module 5: Vehicle Finance
- Module 6: Career Life
- Module 7: Statistics
- Module 8: Precision Measurement

Required Resource

- Graphing or Scientific Calculator*
A protractor and metric/imperial rulers
- Access to the Internet is highly recommended as the course will make reference to support material found on the Internet ([Manitoba Prospects](#) - hard copies can be attained by contacting the ISO office)

Suggested Resources

- Access to a computer with spreadsheet and graphing capabilities. If students do not have access to computer they will be able to complete the related learning activities and assignments.



SCIENCE

Grade 9 Science (10F) 1 credit (2011) **T0120 10F 001**

This course examines the atoms that make up all matter on earth. Discover how electricity has been harnessed to operate machinery, uncover how our body tissues grow and regenerate, and explore the far-off stars and planets of our galaxy. Some learning activities and assignments require hands-on experiments using household items.

It is structured as follows:

Module 1: Reproduction
Module 2: Atoms and Elements
Module 3: The Nature of Electricity
Module 4: Exploring the Universe

Required Resources

- A learning partner to assist and supervise the learning activities and assignments that involve hands-on experiments.
- Grade 9 Science Supply list for the hands-on experiments is provided in the course and at http://www.edu.gov.mb.ca/k12/dl/iso/senior/gr9_science_supply_list.pdf
- Internet access is required for assignment 4.2 - attain a simplified star chart or planisphere online.

Suggested Resources

- Internet access is recommended as there are additional support materials for the course on websites that are listed throughout the course. Students also have the ability to email their assignments for marking.
- Access to Crocodile Clips Software for some of the Learning Activities
www.yenka.com/en/Free_student_home_licences
- Internet access is suggested for assignments throughout the course. In most situations non-internet based assignments are provided as another option.
- Word processor to write your assignments
- Access to a Photocopier to make a copy of your assignment prior to mailing it to your teacher.

PLEASE NOTE: Some of the content and issues pertaining to Grade 9 Science (10F) may be sensitive for some students and their parents/families and or communities. This sensitive content is contained in Module 1.

Grade 10 Science (20F) 1 credit (2012) **T0120 20F 001**

This course is designed to develop students' scientific literacy through inquiry-based activities that aim to strengthen and encourage critical thinking, problem solving, and analytical skills/abilities. The Grade 10 Science course is intended to provide a broad scientific background and assist students in preparing for more specialized courses in Grade 11 and 12. Students will engage in some hands on experiments using household items, research projects, and also learn about the theories, models, concepts, and principles for each of the science areas/modules listed below:

It is structured as follows:

Module 1: Dynamics of Ecosystems
Module 2: Chemistry in Action
Module 3: In Motion
Module 4: Weather Dynamics

Provided Resource

- MPIC Booklet "*In Motion*"
- CD-0786 *Science* (20F)

Suggested Resources

- Internet access is recommended as there are additional support materials for the course on websites that are listed throughout the course.



SOCIAL STUDIES

Grade 9 Canada in the
Contemporary World (10F)
1 credit (2013) **T0101 10F 000**

New course available Fall 2013.

Grade 10 Geographic Issues of the
21st Century (20F) 1 credit (2013)
T1180 20F 000

People often ask why they need to take geography courses in school. We use geography every day. For example, you used a mental map of your house or apartment when you walked from your bedroom to the bathroom during the night. You use directions when you explain to a friend where you are going to meet. You use geography when you make plans to go on a vacation and have to decide what clothes to take along. You use geography when you listen to the news and hear of a natural disaster overseas.

This course will provide you with the opportunity to study some basics in geography and will encourage you to think about how the daily decisions we make impact other people and the environment. This course is divided into five modules: Geographic Literacy, Natural Resources, Food from the Land, Industry and Trade, and Urban Places.



Grade 11 History of Canada (30F)
1 credit (2012) **T0105 30F**

This course will investigate the History of Canada from pre-contact time to the present. The course guides students through the *Shaping Canada* textbook that was written specifically for Manitoba. The authors and contributors provide the Manitoban and Canadian historical perspectives that enable students to reflect and respond to the question **How has Canada's history shaped the Canada of today?**

The textbook will provide all the course content and the course materials provide the learning activities and assignments to be completed after working through the clusters and chapters. The course is structured according to the five clusters as outlined in the *Shaping Canada* textbook.

- Cluster 1 First People and Nouvelle-France (before 1763)
- Cluster 2 British North America (1763 to 1867)
- Cluster 3 Becoming a Sovereign Nation (1867 to 1931)
- Cluster 4 Achievements and Challenges (1931 to 1982)
- Cluster 5 Defining Contemporary Canada (1982 to present)

Textbooks

- Connor, Hull and Wyatt-Anderson. *Shaping Canada*. McGraw-Hill Ryerson Limited, 2011. (10391) MTBB

Suggested Resource

- Internet access is recommended as there are additional support materials for the course on websites that are listed throughout the course





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