

Distance Learning

Helping You Build Your Future...

Your Way!



A Guide for Teacher Mediated Option

2009 - 2010

Manitoba Education, Citizenship and Youth Cataloguing in Publication Data

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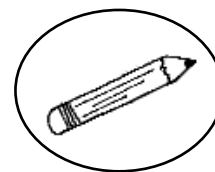
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Teacher Mediated Option



Grade 9-12 Courses

In an effort to provide increased credit options to Manitoba students, the **Teacher Mediated Option (TMO)** program assists school divisions in offering courses by audio teleconferenced teacher mediated instruction. Registration for these courses are only available to students enrolled in an educational institution.

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

Teacher Mediated Option - Compulsory Courses			
Grade 9	Grade 10	Grade 11	Grade 12
English Language Arts (10F) Mathematics (10F)* Science (10F) Social Studies (10G)	Consumer Math I & II (20S) English Language Arts (20F) Geography (20G) Science (20F) Applied Math (20S)* Pre-Calculus Math (20S)*	Accounting (30S) Canadian History (30S) Consumer Math III & IV (30S)* ELA (30S): Comprehensive Focus ELA (30S): Literary Focus ELA (30S): Transactional Focus Applied Math (40S)* Pre-Calculus Math (40S)*	Accounting (40S) Consumer Math V & VI (40S) ELA (40S): Comprehensive Focus ELA (40S): Transactional Focus Applied Math (40S)* Pre-Calculus Math (40S)*
Teacher Mediated Option - Optional Courses			
Art (10G) Introduction to Drafting Design Technology (10G)* Electricity/Electronics (10G) Basic French (10G) Futures in Business (15G) German (10G) Home Economics (10G) Power Mechanics (10G) Spanish (10G)*	American History (20G) Art (20G) Computer Science (20S) Drafting (20G) Basic French (20G) German (20G) Retailing (20S) Spanish (20G)*	Agriculture (30S) Biology (30S) Chemistry (30S) Computer Science (30S) Basic French (30S) German (30S) Physics (30S) Spanish (30S)*	Biology (40S) Calculus (45S) Chemistry (40S) Computer Science (40S) ELA (40S): Language and Technical Communications Family Studies (40S) Basic French (40S) Geography (40S) German (40S) History of Western Civilization (40S) Law (40S)* Physics (40S) Spanish (40S)*

* Instruction may also be available in French and are intended for bilingual/immersion students.

Physical Education/Health Education

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

Independent Study Option

- Grade 9 Physical Education/Health Education (15G) Available
- Grade 10 Physical Education/Health Education (25G) Available
- Grade 11 Active Healthy Lifestyles (35G) Coming soon
- Grade 12 Active Healthy Lifestyles (45G) Coming soon

Web Based Courses

Visit www.edu.gov.mb.ca/k12/dl/wbc/index.html for available seats for the above courses.

Welcome to the Teacher Mediated Option

The Grade 9 to 12 courses are offered on a six-day, semester timetable, during the regular school day. After course registrations are completed, a copy of the final Teacher Mediated Option timetable will be sent to registered schools.

Courses timetabled within the school day are 40 minutes in duration, and occur four times during the 6-day cycle.

All courses follow Manitoba Education, Citizenship and Youth curricula. **Please note that the timetabled slots do not provide sufficient time for schools to meet the minimum time requirements** as outlined by Manitoba Education, Citizenship and Youth (for example a day slot only provides four 40 minute sessions per school cycle/week.) Teacher Mediated Option courses are similar to Independent Study courses. It is assumed that schools will schedule students into supervised classes for the rest of the required time to meet or exceed minimum time standards required. Classes may be supervised by a librarian, by a teacher, or by any arrangement that schools find satisfactory.

All courses are held by audio teleconference. During class time, instructors review difficult concepts and content and answer any questions that the students might have. Instructors also pace the students and ensure the work is completed on the set schedule.

TMO students are given regular assignments that they send to the instructor via mail and/or email. Between classes, students may also contact the instructor by email or by phone (toll free number).

Procedures

Registration Timeline

April 2009- Release of preliminary timetable

June 5 - Early registration deadline

June 19 - Release of final timetable

September 8 - Registrations from June are faxed to schools for fall verification

September 8-10 - Confirmation of course registration changes, withdrawals, Course Material Order Form, and purchase orders. **Purchase orders will be required for all course registrations and course material purchases.**

September 16 - Course materials are sent out to schools

September 24 - First day of classes

October 7 - Withdrawal deadline/ late registration date

October 13 - Invoices sent to schools and school divisions

Students must register for second semester by January 7, 2010. Semester 2 courses will begin February 1, 2010.

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

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

Please send completed registration forms or direct inquires to:

Teacher Mediated Option

555 Main Street, Winkler MB R6W 1C4
 Fax: 204-325-1707
 Telephone: 800-465-9915
 email: distance.learning@gov.mb.ca
 Website:

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

Fees

2009-2010 Teacher Mediated Option course fees are

Half-credit courses	\$141.70
Full-credit courses	\$190.75

- Invoices will be sent to all schools after the late registration/withdrawal date, for the specific semester.
- Semester 1 payment will be due in October, Semester 2 payment will be due in February.
- Payment will be made to a host division.

Refund Policies

Teacher Mediated Option course fees include a \$15 non-refundable administration fee. The remaining amount will be refunded if the student withdraws from the course by the withdrawal date. **The TMO office must be notified in writing of students withdrawing by the scheduled date in order to receive reimbursement.** 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/forms/index.html#tmo>

If the student remains beyond that point, then no refund will be provided.

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.

Information on ordering other textbooks noted with an ISBN number can be obtained from the publisher directly.

Minimum Equipment Requirements

Manitoba Education, Citizenship and Youth encourage schools with regular registration in the TMO program to purchase a good speaker phone with a mute button option and volume control.

The Darome Convenors used by schools are currently being phased out, as replacements and repairs are no longer available.

Multiple classes are scheduled at the same time and each class requires its own speakerphone or teleconference system.

Supplies

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 for each course will be available in September for those enrolled. Please check the course descriptions for specifications and ensure relevant technology is available prior to registering.

Host School Division Responsibilities

MECY collaborates with participating school divisions to establish a host division. The host division collects course registration fees and distributes the instructors' fee for service.

School Responsibilities

Each participating school will provide the following:

1. A contact person (or proctor) for responsibilities please refer to "Proctor Responsibilities" below.
2. A method for students registered in the TMO program to purchase print materials from the Teacher Mediated Option office in Winkler at a cost of \$22 each plus GST (\$1.10). **Please note: print materials are non-refundable.**

The Course Material Order Form is found at the back of this guide or at <http://www.edu.gov.mb.ca/k12/dl/forms/index.html#tmo>

3. Payment of the course registration fees to the host school division.

Proctor Responsibilities

Schools that register students for Teacher Mediated Option (TMO) courses appoint a Teacher Mediated Option proctor. The specific supportive functions that TMO proctors may fulfill are:

1. Act as liaison between your school and the TMO staff.
2. Ensure that students applying for a TMO course have the approval of the school principal/proctor. Students should have the most recent version of the course material and required supplies, textbooks, and access to relevant technology.
3. Ensure that the students have the use of a speaker phone (with mute and volume option) to access TMO teleconferences and if possible, in an enclosed room to enhance sound quality.
4. Act as liaison between your school, TMO instructor and staff by administering tests or exams. Submit and return assignments, tests, projects, or essays to and from students and TMO instructors.

5. Monitor student progress and attendance.
 - Schedule regular meetings with student(s) and review the month end progress reports and attendance.
 - Provide students with encouragement for regular and punctual attendance.
 - Monitoring deadlines for students to complete assignments and course on time.
 - Ensure that parent(s)/legal guardian(s) are aware of student progress and attendance.
6. Assist students in resolving any difficulties they may encounter during the completion of a TMO course in consultation with the TMO instructor and TMO Consultant.
7. Archive all communication from the TMO instructors in a binder for easy student access

Teacher Mediated Option - A Handbook for Schools/ Divisions with detailed roles and responsibilities will be distributed to each proctor at the beginning of the school year.

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 instructor and the student will follow the school's policy.

Prerequisites

It is the responsibility of professional staff in each school to ensure that each student has attained the level of skill needed to process the content of any proposed course. The sequential development of skill or content inherent in certain subjects should be observed (e.g., vocational skill areas, languages, mathematics, physics, and chemistry).

Attendance

Attending class provides an opportunity to engage in conversations with the instructor and classmates. Participation enhances students learning opportunities beyond independent study. Being on time is expected as it is critical in setting the tone for each class and demonstrates respect for other students and the TMO instructor.

The TMO instructors will report student attendance and other learning behaviours on the formative/summative reports.

Evaluation

Formative and summative reports will be provided to the schools from the TMO office throughout the semester.

Schools are responsible for creating and providing a report card to parents, and for reporting final marks to the Manitoba Student Records Unit.

Examinations

Tests and examinations are administered by the proctors in the local schools and marked by the TMO instructor.

Provincial Standards Examinations

School Divisions are responsible for ordering, administering, and marking the Provincial Standards Exams effective 2008-2009.

For more policy and procedures information:
http://www.edu.gov.mb.ca/k12/assess/docs/pol_proc/index.html

Provincial Standards Testing Schedule:

Grade 12 English Language Arts Standards Test

Semester 1: January 5-8, 2010

Semester 2: May 31-June 3, 2010

Grade 12 Applied Mathematics Standards Test

Semester 1: January 18&19, 2010

Semester 2: June 8&9, 2010

Grade 12 Consumer Mathematics Standards Test

Semester 1:

Project - November 30-December 7, 2009

Written Test - January 21, 2010

Portfolio - Prior to January 21, 2010

Semester 2:

Project - April 19-26, 2010

Written Test - June 7, 2010

Portfolio - June 7, 2010

Grade 12 Pre-Calculus Mathematics Standards Test

Semester 1: January 20, 2010

Semester 2: June 10, 2010

The schedule can also be found at

http://www.edu.gov.mb.ca/k12/assess/s_tests/testing_dates_09-10.pdf

TMO instructors will provide some preparation for standard exams. The School Division/proctor may choose to support the student by providing additional exam preparation resources.

Art

Grade 9 Art (10G)

1 credit (2008)

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

Suggested Resources

- Art supplies as listed in course
- A camera (digital or 35mm)
- A sheet of plate glass or Plexiglas (acrylic)
- Newspapers and magazines
- Photocopier

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 10 Art (20G)

1 credit (2008)

In this course, like Grade 9 Art students learn about visual communication. It is about ideas and expressions, about the tools artists use and the processes they go through in order to create their art.

It is structured as follows:

Module 1: Exploring - Discovering Artists' Tools

Module 2: Thinking - Responding to Art

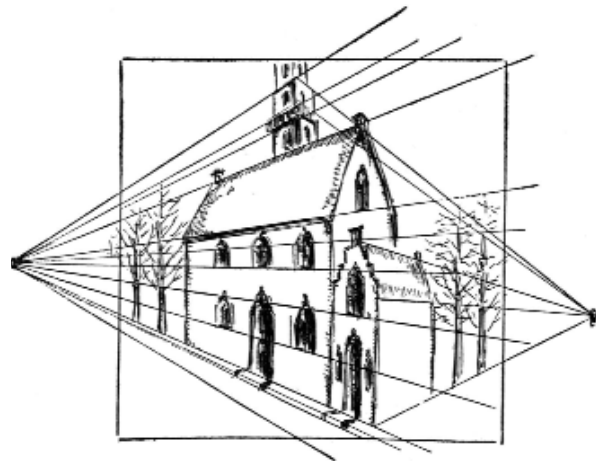
Module 3: Communicating - Using the Visual Language

Module 4: Connecting - Asking Questions and Finding Ideas

Suggested Resources

- Art kit (list provided in the course)
- Household items (list provided in the course)
- Photocopier
- Computer and internet access (optional)

*A list of required/suggested resources will be available in September to students enrolled in this course.



Business and Marketing Education

Grade 9 Futures in Business (15G) 1/2 credit (2000)

This course heightens student awareness of employment opportunities provided by business or community organizations. It is designed to equip students with skills that will enable them to actively participate in and gain practical business experience either as an employee or as a volunteer worker. It is structured as follows:

- Module 1 Your Future in the World of Business
- Module 2 Recordkeeping and Money Management
- Module 3 Managing and Retrieving Information
- Module 4 Business Communication
- Module 5 Planning for Future Personal Success

The following resource will be provided with the course:

- *Job Trek*

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 10 Retailing (20S) 1 credit (2009)

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

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 11 Accounting Principles (30S) 1 credit (2008)

This course introduces students to the standard principles and concepts that govern the practice of accounting.

This course is structured as follows:

- Module 1: Introduction: Accounting Principles
- Module 2: The Income Statement
- Module 3: Journals and Ledgers
- Module 4: The Worksheet
- Module 5: Cash Control
- Module 6: Merchandising Business
- Module 7: Payroll
- Module 8: Income Tax: Uncle Sam?

Resources required:

- A Windows computer
- A word processor program
- A spreadsheet program
- An email program and access to the internet

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

Grade 12 Accounting Systems (40S) 1 credit (2007)

This course builds and expands on the principles and concepts that you learned in Grade 11 Accounting Principles 30S. It is structured as follows:

- Module 1 Accounting Systems
- Module 2 Adjusting Entries and Computerized Accounting
- Module 3 Receivables—Customers and Sales
- Module 4 Payables—Merchandise Purchases and Payments (Vendors)
- Module 5 Conversion Process and Analysis
- Module 6 Completing the Accounting Cycle

The following resource will be provided with the course:

- Student Version of Simply Accounting 2005 Pro

Required Resources

- A Windows computer
- A word processor program
- A spreadsheet program
- An email program and access to the internet
- Course data files are found at www.edu.gov.mb.ca/k12/dl/downloads
- RAM and Hard Drive space required by Simply Accounting

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

Grade 12 Law (40S) 1 credit (2005)

Law 40S provides students with an introduction to the legal system as well as the principles, practices, and consequences, of law with regards to torts, contracts, crimes, property rights, family, and inheritance. This course also provides an Aboriginal perspective of law.

It is structured as follows:

- Module 1: Fundamentals of Law
- Module 2: Criminal Law
- Module 3: Civil Law
- Module 4: Family Law and Wills

The following resources will be provided with the course:

- *Family Law in Canada - 2005*
- *Canadian Charter of Rights and Freedoms*

English Language Arts

Grade 9 English Language Arts (10F) 1 credit (2005)

This course facilitates the language development of Grade 9 students. The study of the English Language Arts enables students to understand and appreciate language and to use it confidently and competently in a variety of situations for communication, personal satisfaction, and learning.

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

At the end of each sequence, students are required to submit some of the work of that sequence plus the sequence assignment(s). Both the student and the instructor assess assignment processes and products. At the end of the course, students receive a final mark. That mark 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.

*A list of required/suggested resources will be available in September to students enrolled in this course.

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

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

At the end of each sequence, students are required to submit all of the work of that sequence plus the sequence assignment(s). Both the student and the instructor assess assignment processes and products. Student performance is recorded. At the end of the course, students receive a final mark. That mark 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.

The following resource will be provided with the course:

- Mrs. Bertha's Flowers Audio CD

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 11 English Language Arts: Comprehensive Focus (30S) 1 credit (2001)

This course will facilitate the language development of Grade 11 students. It emphasizes the whole range of language uses from pragmatic or practical uses to aesthetic ones. Students explore the use of language for pragmatic purposes: to inform, direct, persuade, plan, analyze, and explain. They also engage with and use language for aesthetic purposes: language that enlightens, fosters understanding and empathy, reflects culture, expresses feelings and experiences, and brings enjoyment. It is structured as follows:

Sequence 1 My Expectations

Sequence 2 Reader's Expectations

Sequence 3 Writer's Expectations

Sequence 4 Family Expectations

Sequence 5 Societal/Cultural Expectations, Pt 1

Sequence 6 Societal/Cultural Expectations, Pt 2

Sequence 7 "Living Up to Expectations"

At the end of each sequence, students are required to submit all of the work of that sequence plus the sequence assignment(s). Both the student and the instructor assess assignment processes and products.

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 11 English Language Arts: Literary Focus (30S) 1 credit (2008)

This course will facilitate the language development of Grade 11 students. Each sequence contains lessons that lead to the successful completion of learning experiences and assignment(s). Students monitor their progress through ongoing self-assessment and Tutor/Marker assessment. It is structured as follows:

- Sequence 1 My Literary World
- Sequence 2 Worlds around Me
- Sequence 3 Entering Other Worlds
- Sequence 4 Entering Still More Worlds
- Sequence 5 Responding to Worlds of Money and Power
- Sequence 6 Creating Worlds of Money and Power
- Sequence 7 My World of Poetry
- Sequence 8 My Literary World on Display

This course provides students with multiple opportunities to engage with and produce a variety of aesthetic texts. It includes an extensive selection of learning resources, ranging from those produced for pragmatic or practical purposes to those created for aesthetic purposes. Students explore various texts, both those produced by others and those created by themselves.

At the end of each sequence, students are required to submit all the work of that sequence, including the assignment(s). Both student and instructor assess the assignment(s).

The following resources will be provided with the course:

- *2 separate colour prints*
- *8 colour prints on a CD*

*A list of required/suggested resources will be available in September to students enrolled in this course.

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

This course will facilitate the language development of Grade 11 students. The transactional focus emphasizes the pragmatic uses of language: language that informs, directs, persuades, plans, analyzes, argues, and explains. In attaining the learning outcomes, students engage with and compose texts primarily for pragmatic purposes: to gain information or discern another point of view, to compare and weigh ideas, and to conduct daily transactions.

Because pragmatic communication is audience-specific, students enhance their skills in shaping communication for their audience. They learn the connections of various pragmatic forms and the purpose and effect of these. As listeners, readers, and viewers, they examine the effects of various language techniques and learn to assess information for accuracy, logic, and relevance. As speakers, writers, and representers, they learn to express themselves clearly, logically, and with an intended effect.

The course includes an extensive list of learning resources. It 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)

At the end of each sequence, students are required to submit a selection of work plus the sequence assignment(s). Both the student and the instructor assess assignment processes and products. Student performance is recorded.

At the end of the course, students receive a final mark. That mark 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 that are targeted in each sequence.

*A list of required/suggested resources will be available in September to students enrolled in this course.

Note: Students registering in a Grade 12 English Language Arts course will be required to write the Provincial Standards exam. Please refer to Page 5 for details.

Grade 12 English Language Arts: Comprehensive Focus (40S) 1 credit (2007)

The purpose of this course is to facilitate the language development of Grade 12 students. It is structured as follows:

- Sequence 1 Using Language to Delight
- Sequence 2 Using Language to Inform
- Sequence 3 Using Language to Experiment and Extend
- Sequence 3A Using Language to Persuade
or
- Sequence 3B Using Language to Challenge
- Sequence 4 Using Language to Manipulate
- Sequence 5 Using Language to Share and Celebrate

Students monitor their progress through ongoing self-assessment and instructor assessment.

This course provides students with multiple opportunities to engage with and produce a variety of texts, both pragmatic or practical and aesthetic or literary. It includes an extensive selection of learning resources, ranging from those produced for pragmatic or practical purposes to those created for aesthetic purposes. Students explore various texts, both those produced by others and those created by themselves.

At the end of each sequence, students are required to submit selected work of that sequence, including the assignment(s). Both student and instructor assess the assignment(s). The instructor records student performance on assessments and the progress test. Sequence 5: Using Language to Share and Celebrate enables students to reflect on their work in the course and assess their progress and achievement.

The following resource will be provided with the course:

- *colour prints*

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 12 English Language Arts: Language and Technical Communications (40S) 1 credit (2004)

The purpose of this course is for students to explore what technical communication is, how important technical communication is to everyday life, and how technical documents are designed and organized in unique and creative ways. Students will have the opportunity to incorporate their own ideas and thoughts into tasks and assignments, and to build a foundation of skills that will be valuable for post-high school life. It is structured as follows:

- Sequence 1 Expectations and Explorations
- Sequence 2 What Is Technical Communication?
- Sequence 3 Writing with the Diamond-Writer©
- Sequence 4 The Language of Technical Communication
- Sequence 5 Layer One of the Creation/Innovation Pyramid©: Base of Knowledge
- Sequence 6 Layer Two of the Creation/Innovation Pyramid©: Product Concept
- Sequence 7 Layer Three of the Creation/Innovation Pyramid©: Prototype
- Sequence 8 Layer Four of the Creation/Innovation Pyramid©: Marketing
- Sequence 9 The Me Files Personal Portfolio

Each sequence contains a number of lessons that lead to the successful completion of learning experiences and assignments.

The following resources will be provided with the course:

- *Manitoba Moose Pamphlet*
- *Aboriginal Peoples Television Network Poster*

Suggested Resources

- Access to a computer for word processing is recommended
- Books, magazines or Internet access to complete some assignments

Note: Students registering in a Grade 12 English Language Arts course will be required to write the Provincial Standards exam. Please refer to Page 5 for details.

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

The purpose of this course is to facilitate the language development of Grade 12 students.

In the Transactional Focus, students develop and refine a range of knowledge, skills and strategies that help them function effectively in various communities. The Transactional Focus emphasizes the pragmatic uses of language: language that informs, directs, plans, persuades, analyzes, argues, and explains. In attaining the learning outcomes, students engage with and compose texts primarily for pragmatic purposes: to gain information or discern another point of view, to compare and weigh ideas, and to conduct daily transactions.

The Transactional Focus addresses a variety of informal and formal uses of language, ranging from informal conversations to formal presentations; from discussions to formal interviews; from note taking, data gathering, and representation to illustrated reports.

Because pragmatic communication is audience-specific, students enhance their skills in shaping communication for their audience. They learn the connections of various pragmatic forms and the purpose and effect of these. As listeners, readers, and viewers, they examine the effects of various language techniques and learn to assess information for accuracy, logic, and relevance. As speakers, writers, and representers, they learn to express themselves clearly, logically, and with an intended effect. Through a wide range of projects and learning experiences, students learn to use and interpret a variety of oral, print, and other media texts, to manage data and information efficiently and to plan and work collaboratively.

The course includes five sequences of study focusing on various aspects of the theme of "influences." Each sequence involves a number of learning experiences.

The five sequences are:

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)

At the end of each sequence, students are required to submit some of the work of that sequence plus the sequence assignment(s). Both the student and the instructor assess assignment processes and products.

*A list of required/suggested resources will be available in September to students enrolled in this course.

French

Grade 9 Basic French (10G)

Français de base, 9^e année (10G) 1 credit (2008)

This course allows students to study French as an additional language, non-immersion and requires some prior knowledge of French.

This course focuses on reading and writing. Access to a Tutor/Marker will support the listening and speaking skills as well as other aspects of the course. Students are required to record and submit audio samples throughout the course that contribute to their overall final mark.

*A list of required/suggested resources will be available in September to students enrolled in this course.

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

German

Grade 9 German (10G)

1 credit (2006)

Grade 9 German 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.

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 10 German (20G)

1 credit (1994)

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.

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 11 German (30S)

1 credit (1993)

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 instructor will support listening and speaking skills as well as other aspects of the course. The submission of a project to the midterm exam supervisor is required. An audio sample is completed during the course and is submitted to the final exam supervisor. The project and audio submission contributes to the overall final mark.

The following resource will be provided with the course:

- *Glossary of Terms*

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 12 German (40S)

1 credit (2004)

This course requires prior knowledge of German equivalent to the Grade 11 level. This is the final course in the high school German program. It covers diverse topics such as consumerism, German-Canadian history, artistic expression, careers, advertising, and ethical and medical issues of the 1990's. Students learn grammar and vocabulary, develop listening skills, and are challenged to use German to express their own ideas and opinions in writing.

This course focuses on reading and writing. Access to the instructor will support the listening and speaking skills as well as other aspects of the course. Students are required to record and submit audio samples throughout the course that contribute to their overall final mark.

*A list of required/suggested resources will be available in September to students enrolled in this course.

Home Economics/Family Studies

Grade 9 Home Economics (10G) 1 credit (2006)

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.

Module 1: Nutrition and Food

Module 2: Family Studies

Module 3: Clothing and Textiles

The following resource will be provided with the course.

- *Canada's Food Guide*

Recommended Resources

- Access to a computer for word processing
- Camera or video camera

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 12 Family Studies (40S) 1 credit (2005)

The purpose of this course is threefold:

- To help you understand yourself and your family situation
- To help you appreciate the variety and diversity among families today
- To make you more conscious of the personal decisions you must make throughout your life and of the societal influences that affect those decisions

Many people re-examine their decisions about family throughout the course of their lives, continually reassessing and re-evaluating their relationships. The best way to make decisions about our personal lives is to make ourselves aware of the facts and statistics of family life issues. This course is intended to educate students on the many alternatives available in life. It is structured as follows:

Unit 1	Development
Unit 2	Personal Development
Unit 3	Relationships and Life Choices
Unit 4	Parenthood
Unit 5	Diversity in Families
Unit 6	Aging

For every person, the home, peers, church, school, and community are primary sources of values. However, the media provides a mixed and confusing array of beliefs and choices. Educators, parents, families, and communities have new challenges as they help students to deal with contentious issues locally and globally. These issues include sexuality, reproduction, and diversity in families. It is important for students to have the knowledge and skills to make responsible choices now and for the future.

Some of the content and issues pertaining to Grade 12 *Family Studies (40S)* may be sensitive for some students and their parents/families. This sensitivity may be based on family, religious, and/or cultural values.

Industrial Arts

Grade 9 Electricity/Electronics Technology (10G) 1 credit (2006)

The purpose of this course is to expose students to the fundamental concepts of electronics. Topics will include what electricity is, basic circuitry, learning the language of schematic symbols, digital multi-meter reading, resistance, capacitance, inductance, semi-conductors, power supplies, tools and safety. Applications of the topics are taught in the form of project construction, student challenges, watching videos and experiments. This course will be of interest to those who are curious about how electronic devices work, troubleshooting and repairing electrical devices, or those who are considering a career in electrical/electronics technology or engineering.

It is structured as follows:

Module 1: Electricity

Module 2: Safety

Module 3: Electronic Components

Module 4: Building a Project

Module 5: Series, Parallel, and Combination Circuits

Module 6: Sources of Electricity

Module 7: Careers in Electronics

Suggested Resources

- Calculator
- 9-volt batteries
- A safe work area with a 120-volt, 15-amp household power supply
- Each student needs the Electricity Kit (Includes Tool Kit; Project Kit; Experiment Kit; Practice Soldering Kit). This is available from the MTBB (9993). For students that already have the tool kit, it is possible to order the Electricity Kit (without Tool Kit) from the MTBB(3308) *We recommend calling MTBB to verify the cost of these resources before purchasing the course.*

Grade 9 Introduction to Drafting Design Technology (10G) 1 credit (2003)

This course will help students gain knowledge and understanding of the world of drafting and design. Since drafting is a visual form of communication, the course is designed around this theme.

The modules, assignments, and tests have been developed so that each student will have step-by-step guides for the completion of all sketches and drawings. It is structured as follows:

Module 1 What is Drafting and Why Do We Study It?

Module 2 Drafting Equipment and Practices

Module 3 Sketching

Module 4 Measuring/Scales

Module 5 Geometric Applications

Module 6 Single View Template Drawings

Module 7 Basic Dimensioning

Module 8 Multi-View Drawings

Module 9 Pictorial Drawings

Module 10 Sectioning

Module 11 Pattern Development

Suggested Resource

- Drafting Tool Kit (8978) MTBB
We recommend calling MTBB to verify the cost of this kit before purchasing the course. (also used in grade 10 Drafting)

Grade 9 Power Mechanics Technology (10G) 1 credit (1998)

This course is designed with the automotive novice in mind, and adopts a theoretical approach to power mechanics.

The course includes the following components:

- Safety and identification
- Fasteners and gaskets
- Use of manuals
- Theory of engine operation
- Lubrication systems
- Cooling systems
- Fuel systems
- Electrical systems
- Wheels and tires
- Troubleshooting

*A list of required/suggested resources will be available in September to students enrolled in this course.



Grade 10 Drafting Design Technology (20G) 1 credit (2008)

Recommended prerequisite—Grade 9 Introduction to Drafting (10G)

The course will enhance students knowledge about the world of design drafting. It is structured as follows:

- Module 1 Design
- Module 2 Reference Tools and Constructions
- Module 3 Mechanical Drafting
- Module 4 Architectural Drafting

The following resource will be provided with the course:

- *Set of 4 architectural drawings*

Suggested Resource

- Drafting Tool Kit (8978) MTBB
We recommend calling MTBB to verify the cost of this kit before purchasing the course.
(also used in grade 9 Drafting)

Information and Communication Technology

Grade 10 Computer Science (20S) 1 credit (2005)

Computer Science courses are designed for students who may be interested in pursuing studies in science, engineering, or computer programming at college or university. In order to be successful in the course, students need to be self-directed learners and have acquired most of the skills and knowledge described at

www.edu.gov.mb.ca/k12/tech/lict/show_me/student_friendly.html

This course gives students the chance to solve problems, accomplish tasks, and express creativity by using programming techniques in Microsoft C++ Express Edition. These techniques are applicable to other programming languages. It is structured as follows:

- Module 1 Introduction to Computer Science
- Module 2 Introduction to Programming
- Module 3 Control Structures
- Module 4 Loops: Going in Circles!
- Module 5 Functions: Piecework Programming

The following resources will be provided with the course:

- Data CD or download the files at www.edu.gov.mb.ca/k12/dl/downloads.html
- *Microsoft C++ Express Edition CD*

Suggested Resources

- Access to the internet
- At least 5 GB of hard disk space
- At least 64 MB of memory
- Email program
- Windows computer
- Windows XP with minimum of the Service Pack 2 or Vista operating system
- Word processor

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

Grade 11 Computer Science (30S) 1 credit (2006)

Recommended prerequisite—Grade 10

Computer Science (20S)

Computer Science courses are designed for students who may be interested in pursuing studies in science, engineering, or computer programming at college or university. In order to be successful in the course, students need to be self-directed learners and have acquired most of the skills and knowledge described at the following website.

www.edu.gov.mb.ca/k12/tech/lict/show_me/student_friendly.html

This course gives students the chance to solve problems, accomplish tasks, and express creativity by using programming techniques in Microsoft C++ Express Edition. These techniques are applicable to other programming languages. It is structured as follows:

- Module 1 Learning to Program
- Module 2 Arrays—Beyond the First Dimension
- Module 3 Introduction to Windows Programming
- Module 4 Independent Studies
- Module 5 Functions and Data Structures
- Module 6 Further Independent Studies

The following resource will be provided with the course:

- *Microsoft C++ Express Edition (CD)*

Suggested Resources

- Access to the internet
- At least 5 GB of hard disk space
- At least 64 MB of memory
- Course data files are found at www.edu.gov.mb.ca/k12/dl/downloads.html
- Email program
- Windows computer
- Windows XP with minimum of the Service Pack 2 or Vista operating system
- Word processor

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

Grade 12 Computer Science (40S) 1 credit (2008)

*Recommended prerequisite—Grade 11
Computer Science (30S)*

Unlike other TMO courses, this one is online, not in print. This means that, once students have been registered for the course, they will not receive a print package. Instead, they will receive a password and username that will enable them to access the course on the Internet, through an online learning management system called Blackboard. Students will then complete the course online and email their assignments to their instructor.

This course gives students the chance to solve problems, accomplish tasks, and express creativity by using programming techniques in Microsoft C++ Express Edition. These techniques are applicable to other programming languages. This course enables students to explore and further develop skills in solving problems and prepare them for further study at college or university. It is structured as follows:

- Module 1 Introduction
- Module 2 Programming Review
- Module 3 Parallel Arrays and Structures
- Module 4 Multi-dimensional Arrays
- Module 5 Explorations in Programming
- Module 6 Object Oriented Programming

Please note that students will write their final exam under supervision on a computer. Students will not be logged in to Blackboard.

The following resource will be provided with the course:

- *Microsoft C++ Express Edition (CD)*

Suggested Resources

- Access to the internet
- At least 5 GB of hard disk space
- At least 64 MB of memory
- Email program
- Java and cookies enabled
- Windows computer
- Windows XP with minimum of the Service Pack 2 or Vista operating system
- Word processor

A partial, demonstration version of this course is available for viewing at <http://webct.merlin.mb.ca>. Once you access that page, log in with "isoguest" for both user name and password.

Mathematics

Grade 9 Mathematics (10F)

New course will be available in September 2009.

A course description is not available at this time.

Grade 10 Applied Mathematics (20S) 1 credit (2001)

This course students will master essential skills in topics that have become important in post secondary institutions, technology based industries, and daily living. It is structured as follows:

- Module 1 Technical Communication
- Module 2 Spreadsheets
- Module 3 Exploring Math Using Technology
- Module 4 Linear Models and Patterns
- Module 5 2D-3D Projects
- Module 6 Relations and Functions
- Module 7 Coordinate Geometry
- Module 8 Measurement Technology
- Module 9 Trigonometry
- Module 10 Data Management and Analysis

Access to a computer and a spreadsheet program is essential for completing Module 2, as well as both the midterm and final exam.

The following resource are provided with the course:

- *Graphical Analysis CD*
(Attending students have access to this software at their school)

Suggested Resources

- Graphing Calculator (5476) MTBB
Vernier Calipers (choose one)
(6335) or (6310) MTBB
- Micrometer Calipers (6307) MTBB
- Steel Ruler 12" (Metric and Imperial)
(6322) MTBB

Grade 10 Consumer Mathematics Part I and II (25S) 1 credit (2001)

Part I and *Part II* emphasizes consumer applications, problem solving, decision making, as well as number sense and number use.

Access to a computer and a spreadsheet program is essential for completing Module 2. It would be very beneficial for students to have access to a computer during audio teleconference classes.

This course is divided into 10 modules as follows:

- Module 1: Gross Wages, Payday Project, and Percent
- Module 2: Spreadsheets
- Module 3: Trigonometry
- Module 4: Time Cards
- Module 5: Spatial Geometry
- Module 6: Probability
- Module 7: Banking
- Module 8: Geometry
- Module 9: Statistics
- Module 10: Consumer Spending

The following resources will be provided with the course:

- *Consumer Alert*
- *Helping You Bank*
- *Manitoba's Business Practices*

Suggested Resources

- Cuisenaire Rods (6340) MTBB
- Scientific Calculator (with trigonometric functions)

**Grade 10 Pre-Calculus Mathematics (20S)
1 credit (2001)**

This course is designed for students who intend to study calculus and related mathematics as part of their post-secondary education. The course is designed primarily as a high-level study of theoretical mathematics with an emphasis on problem solving and mental mathematics. It is structured as follows:

- Module 1 Polynomials and Radicals
- Module 2 Rational Exponents
- Module 3 The Straight Line
- Module 4 Trigonometry
- Module 5 Geometry
- Module 6 Factoring and Rational Expressions
- Module 7 Relations, Functions, and Sequences
- Module 8 Probability and Statistics

Suggested Resource

- Scientific Calculator

**Grade 11 Applied Mathematics (30S)
1 credit (2001)**

Recommended prerequisite—Grade 10 Applied Mathematics (20S)

Access to a computer and a spreadsheet program is essential for completing the course as well as both the midterm and final exams. The course is divided into eight modules. It is structured as follows:

- Module 1 Graphing and Systems of Equation
- Module 2 Linear Programming
- Module 3 Nonlinear Functions
- Module 4 Personal Finance
- Module 5 Budgets and Investments
- Module 6 Precision Measurement
- Module 7 Geometry
- Module 8 Data Management and Analysis

Suggested Resource

- Graphing Calculator (5476) MTBB

**Grade 11 Consumer Mathematics Part III and IV (35S)
1 credit (2007)**

Part III and *Part IV* emphasizes consumer applications, problem solving, and decision making, as well as number sense and number use. Problem analysis and analysis of games and numbers are integrated throughout the course.

Access to a computer is essential for completing Module 7. It would be very beneficial for students to have access to a computer during audio teleconference classes.

This course is divided as follows:

- Module 1: Income
- Module 2: Statistics
- Module 3: Buying on Credit
- Module 4: Relations and Formulas
- Module 5: Cost of Operating a Vehicle
- Module 6: Probability
- Module 7: Income Tax
- Module 8: Measurements

The following resource package will be provided with the course:

- *Managing Money* Booklet
- *Buying a Car* Booklet
- *Module 8 Project Materials*
- *General Income Tax Forms '02*
- *General Income Tax Guide '02*
- *Teaching Taxes '02*
- *Quicktax '02*

Suggested Resources

- Micrometer Calipers (6307) MTBB
- Vernier Calipers (choose from the two listed) (6335) or (6310) MTBB
- Steel Ruler 12" (Metric and Imperial) (6322) MTBB

Note: Students registering in a Grade 12 Mathematics course will be required to write the Provincial Standards exam for that course. Please refer to Page 5 for details.

Grade 11 Pre-Calculus Mathematics (30S) 1 credit (2008)

Recommended prerequisite—Grade 10 Pre-Calculus Mathematics (20S)

This course is designed for students who intend to study calculus and related mathematics as part of their post-secondary education. The course is designed primarily as a high-level study of theoretical mathematics with an emphasis on problem solving and mental mathematics. It is structured as follows:

- Module 1 Quadratic Functions
- Module 2 Trigonometry
- Module 3 Algebra
- Module 4 Geometry
- Module 5 Analytic Geometry
- Module 6 Consumer Mathematics
- Module 7 Logic/Proof
- Module 8 Functions

Suggested Resources

- Graphing Calculator (5476) MTBB
- Scientific Calculator (with trigonometric functions)

Grade 12 Applied Mathematics (40S) 1 credit (2002)

Recommended prerequisite—Grade 11 Applied Mathematics (30S)

Access to a computer and a spreadsheet program, the Paint feature of Windows, the Internet and email is essential for completing the course as well as both the midterm and final exams. It is structured as follows:

- Module 1 Matrices
- Module 2 Vectors
- Module 3 Design and Measurement
- Module 4 Probability
- Module 5 Periodic Functions
- Module 6 Personal Finance
- Module 7 Sequences
- Module 8 Statistics

A resource package will be provided with the course.

Suggested Resource

- Graphing Calculator (5476) MTBB

Note: Students registering in a Grade 12 Mathematics course will be required to write the Provincial Standards exam for that course. Please refer to Page 5 for details.

Grade 12 Consumer Mathematics Part V and VI (45S) 1 credit (2002)

Part V and VI emphasizes consumer applications, problem solving, and decision making, as well as number sense and number use. It would be very beneficial for students to have access to a computer.

This course is divided as follows:

- Module 1: Personal Finance
- Module 2: Government Finances
- Module 3: Design and Measurement
- Module 4: Statistics
- Module 5: Investments
- Module 6: Career Life Project
- Module 7: Income Tax
- Module 8: Variation and Formulas

A resource package will be provided with the course.

Suggested Resources

- Steel Ruler 12" (Metric and Imperial) (6322) MTBB
- ¼" Graph Paper
- Scientific Calculator (with an $a^{b/c}$ key)



Grade 12 Pre-Calculus Mathematics (40S) 1 credit (2007)

Recommended prerequisite—Grade 11 Pre-Calculus Mathematics (30S)

This course is designed for students who intend to study calculus and related mathematics as part of their post-secondary education. The course is designed primarily as a high level study of theoretical mathematics with an emphasis on problem solving and mental mathematics. It is structured as follows:

- Module 1 Transformations
- Module 2 Circular Functions I
- Module 3 Circular Functions II
- Module 4 Exponential and Logarithmic Functions I
- Module 5 Exponential and Logarithmic Functions II
- Module 6 Permutations and Combinations
- Module 7 Probability
- Module 8 Conic Sections

Suggested Resource

- Scientific Calculator (with trigonometric functions)

Grade 12 Calculus (45S) 1/2 credit (1995)

Recommended Prerequisite - Grade 12 Pre-Calculus Math (40S)

Grade 12 Calculus is an optional course. The prime objective of this course is to introduce the student to areas of mathematics which will be studied in depth in post-secondary programs. In this half-credit course, students will be introduced to the concepts of limits, derivative of a function, applications of derivatives and integration.

Grade 12 Calculus (45S) is not to be substituted for *Grade 12 Pre-Calculus Mathematics*. A student enrolled in *Grade 12 Calculus (45S)* should have completed or be currently enrolled in *Grade 12 Pre-Calculus Mathematics (40S)*.

It is structured into modules as follows:

- Unit 1: Limits
- Unit 2: Derivative
- Unit 3: Applications of Derivatives
- Unit 4: Integration

Science

Grade 9 Science (10F)

1 credit (2002)

Grade 9 Science is structured into four main areas of study which provide the foundation for further study at Grade 10, Grade 11, and Grade 12.

Reflecting the four areas of study, this course is divided into the following:

Module 1: Genetics

Module 2: Atoms and Elements

Module 3: The Nature of Electricity

Module 4: Exploring the Universe

Grade 10 Science (20F)

1 credit (2004)

Grade 10 Science is designed to continue students' development of a broad-based set of experiences across many science disciplines, including preparation for more specialized science courses in Grades 11 and 12.

It is structured into four modules:

Module 1: Ecosystem Dynamics

Module 2: Chemistry in Action

Module 3: In Motion

Module 4: Weather Dynamics

The following resource package will be provided with the course:

- *MPIC Booklet "In Motion"*

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 11 Biology (30S)

1 credit (1991)

Grade 11 Biology (30S) is designed to assist students in achieving greater understanding of the anatomy and physiology of the systems in the human body. There is also an emphasis on the biochemistry of human systems.

It is structured into modules as follows:

Module 1: Cell Structure and Function

Module 2: Biochemistry

Module 3: Digestion

Module 4: Transport System

Module 5: Respiratory System

Module 6: Excretory System

Module 7: Nervous System

Module 8: Endocrine System

Module 9: Reproductive System

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 11 Chemistry (30S)

1 credit (1999)

It is structured as follows:

Module 1 The Periodic Table and Elements

Module 2 Concepts of Matter

Module 3 Organic Chemistry

Module 4 Gases

Module 5 Solutions

Module 6 Polymers

Module 7 The Chemistry of Food Additives

The following resource will be provided with the course:

- *Periodic Table of The Elements and Ions*

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 11 Physics (30S) 1 credit (2008)

This course assists students in interpreting much of the environment around them. This course is extensive in its length as the content of a textbook is written into the course. It is structured as follows:

Topic 1 — Mechanics

Module 1 Kinematics

Module 2 Vectors

Module 3 Dynamics

Topic 2 — Fields

Module 4 Gravity

Module 5 Electric Fields

Module 6 Magnetic Fields and
Electromagnetism

Topic 3 — Waves and Sound

Module 7 Waves in One Dimension

Module 8 Waves in Two Dimensions

Topic 4 — Sound and Light

Module 9 Sound

Module 10 Models, Laws and Theories, and the
Nature of Light

Suggested Resources

- Access to the Internet
- Course data files are found at www.edu.gov.mb.ca/k12/dl/downloads.html
- Equipment to view a DVD
- Non-graphical, non-programmable calculator
- Spreadsheet program

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 12 Biology (40S) 1 credit (1991)

Grade 12 Biology is designed to assist students in achieving a greater understanding of human genetics, bioenergetics, the animal kingdom, and the plant kingdom.

It is structured into modules as follows:

Module 1: DNA/RNA/Protein Synthesis

Module 2: Introduction to Human Genetics

Module 3: The New Genetics: An Issues

Approach

Module 4: Photosynthesis

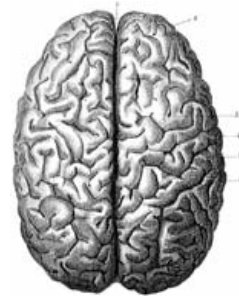
Module 5: Cellular Respiration

Module 6: Variety in Animals

Module 7: Variety in Plants

Module 8: Angiosperms

*A list of required/suggested resources will be available in September to students enrolled in this course.



Grade 12 Chemistry (40S) **1 credit (2002)**

Recommended prerequisite—Grade 11 Chemistry (30S)

The purpose of this course is:

- To increase the students knowledge of basic concepts in selected topics in chemistry.
- To enable the student to develop and use the skills of science.
- To develop the students interest in and appreciation of, the scientific values and problem solving and to promote attitudes such as curiosity and open-mindedness, respect for accuracy and precision, the tentativeness of evidence, and the principle of causality.
- To promote an understanding of the relationship between chemistry, technology, and their impact upon the individual and society.

It is structured as follows:

Module 1	Electronic Structure, Bonding, Periodic Table
Module 2	Reaction Rate and Chemical Equilibrium
Module 3	Ionic Equilibria, Acids and Bases
Module 4	Solubility
Module 5	Oxidation and Reduction
Module 6	Analytical Chemistry
Module 7	Metallurgy

The following resource will be provided with the course:

- *Periodic Table of The Elements and Ions*

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 12 Physics (40S)

New course will be available in September 2009.

A course description is not available at this time.

Social Studies

Grade 9 Social Studies (10G)

1 credit (1998)

This course is designed to help you gain greater understanding of society, your role in society, and Canada's role in the world.

This course covers Canadian themes including:

- Canada's physical environment
- Canadian identity
- Canadian society (government, law, and economics)
- Canada and the world

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 10 American History (20G) 1 credit (1993)

This course covers American History from 1500–1990. It begins with a brief history of Aboriginal peoples before the arrival of Europeans, and it ends with the important social changes in the United States from 1960–1990.

The aim of the course is to acquaint students with some of the most important events and developments in American History, and how those events have affected Americans, and in some cases, how those events have affected Canadians and others.

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 10 Geography (20G)

1 credit (2000)

Grade 10 Geography takes a regional approach to the study of North America, focusing on the characteristics and similarities of different regions in Canada, the United States, and Mexico.

The course covers a general overview of:

- North America
- The Agricultural Interior
- The North
- The Western Cordillera
- Atlantic Canada–Appalachia
- The Industrial Heartland
- Canadian, continental, and world issues

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 11 Agriculture (30S)

1 credit (2005)

Grade 11 Agriculture is a full credit course that provides a comprehensive introduction to agriculture in Manitoba, including historical perspectives, as well as present concerns and trends. The aim of the course is to assist students in learning about the many dimensions of agriculture. The course draws upon the knowledge base of a variety of disciplines.

The course examines physical and climactic features of Manitoba, the agricultural resource base, soil management practices, crop varieties, and plant and animal science.

The course material has been organized into four modules:

Module 1: Manitoba Agriculture: An Overview

Module 2: Soil Science

Module 3: Plant Science

Module 4: Animal Agriculture in Manitoba

A supplementary resource package will be provided with the course materials.

Grade 11 Canadian History (30G) 1 credit (1987)

This course examines the historical development of Canada and focuses on social and political history. These two perspectives are central to this study of Canadian history: lifestyles and the impact of change on those lifestyles, and constitutional development. A number of historical themes are developed chronologically. Topics include the life of Aboriginal people, immigration, French and British societies before Confederation, and the development of government, federalism, and politics. The second half looks at the growth of Western Canada, social and economic change due to the Industrial Revolution, and Canada's external relations.

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 12 Geography (40S) 1 credit (2002)

This course deals with the interrelationships of humans and the worldwide environment. Students explore the environment, population, food supply, resources, industrialization, urbanization, and how human relationships with the environment also influence economics, sociology, politics, and ecology.

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 12 Western Civilization (40S) 1 credit (2000)

This course introduces the people, ideas, and events that have shaped Western Civilization. Canadian political, economic, legal, and social systems are based on these traditions. In this course there are six major themes: religion, ideology, humanism, individualism, secularism, and skepticism. It is structured as follows:

- Historical Overview
- Pre-modern Western Civilization
- Renaissance, Reformation, and Absolutism vs. Representative Government
- The Age of Reason and the Political, Agricultural, and Industrial Revolutions
- Major Movements and Events from 1815 to 1919
- 1919 to the Present

*A list of required/suggested resources will be available in September to students enrolled in this course.

Spanish

Grade 9 Spanish (10G) 1 credit (2002)

This course provides learning opportunities in basic Spanish language arts: reading, writing, 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 Spanish at a basic level of proficiency. Access to the instructor will support the listening and speaking skills as well as other aspects of the course. Students are required to record and submit audio samples throughout the course that contribute to their overall final mark.

This course also introduces students to the history, geography, and diversity of Hispanic culture.

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

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 10 Spanish (20G) 1 credit (2002)

This course requires prior knowledge of Spanish equivalent to the Grade 9 level.

¡Nos alegramos de verte de nuevo!

The aim of this course is to assist the students in the further development of the receptive and expressive language skills in Spanish. Students are provided with opportunities to continue learning about the richness of Hispanic culture. By the end of this course the student should be able to listen, read, write, and speak at an intermediate level of proficiency. Access to a Tutor/Marker will support the listening and speaking skills as well as other aspects of the course. Students are required to record and submit audio samples throughout the course that contribute to their overall final mark.

Students are encouraged to interact with Spanish-speaking people as well as listen to Spanish songs, radio and television programs, and read additional material in Spanish to expand their opportunities to learn. There are also eight self-tests for the student to monitor their own learning.

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 11 Spanish (30S) **1 credit (2001)**

This course requires prior knowledge of Spanish equivalent to the Grade 10 level.

This course provides a more detailed exploration of the structures of the language and cultures of the Spanish-speaking world. The aim of this course is to assist the student in the further development of Spanish for socializing, inquiring, explaining, and self-expression. By the end of this course, the student should be able to listen, read, write, and speak at an intermediate-high level of proficiency. Access to the instructor will support the listening and speaking skills as well as other aspects of the course. Students are required to record and submit audio samples throughout the course that contribute to their overall final mark.

Throughout the course, students are provided with increasingly complex dialogues, poems, and readings to develop listening, speaking, reading, and writing skills. It is structured as follows:

- Módulo 1 ¿Cómo estás?: la salud y el cuerpo
- Módulo 2 Acabo de visitar a mis abuelos: las celebraciones en familia
- Módulo 3 ¿Quieres que los compre?: la casa, el auto y la computadora
- Módulo 4 Ojalá pueda ir al estadio: los deportes y las artes
- Módulo 5 Dudo que vengan a cenar hoy: la comida
- Módulo 6 Me alegro de que vengan: los medios de transporte y las direcciones
- Módulo 7 ¿Irás a la entrevista?: las actividades y los planes
- Módulo 8 ¿De vacaciones o de negocios?: el ecoturismo

*A list of required/suggested resources will be available in September to students enrolled in this course.

Grade 12 Spanish (40S) **1 credit (2002)**

This course continues to build on the knowledge and skills of Grade 9 to 11 Spanish. In addition, it provides an introduction to the world of classical and contemporary Spanish literature and assists in the development of Spanish for socializing, inquiring, explaining, and self-expression. Upon completion, the student should be able to listen, read, write, and speak at an advanced level of proficiency. Access to the instructor will support the listening and speaking skills as well as other aspects of the course.

Students are required to record and submit audio samples throughout the course that contribute to their overall final mark. It is structured as follows:

- Módulo 1 Es importante que vayas al médico: la visita al médico y otras actividades
- Módulo 2 ¿Conoces a mi hermana?: las relaciones familiares y los amigos
- Módulo 3 ¿Qué hay de nuevo?: los acontecimientos y las noticias
- Módulo 4 Hace semanas que no voy al cine: las actividades recreativas
- Módulo 5 Prefiero este menú: la comida, los mercados y los restaurantes
- Módulo 6 Esta ciudad es más grande que aquella: lugares de interés
- Módulo 7 Si tengo tiempo, iré de compras contigo: los planes futuros, la moda y los consejos
- Módulo 8 Se celebró la fiesta de San Valentín: viajes, fiestas y tradiciones

*A list of required/suggested resources will be available in September to students enrolled in this course.

**2009-2010
Teacher Mediated Option
School Calendar**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	Labour Day	Schools open 1	2	3	4	5
6	7	8	9	10	11	12
13	Registration verification 14	-----> 15	16	17	18	19
20	21	22	23	Day 1 24	Classes Start Day 2 25	26
27	Day 3 28	Day 4 29	Day 5 30			

SEPTEMBER 2009

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				Day 6 1	Day 1 2	3
4	Day 2 5	Day 3 6	Day 4 7	Day 5 8	Day 6 9	10
11	Thanksgiving Day 12	Day 1 13	Day 2 14	Day 3 15	Day 4 16	17
18	Day 5 19	Day 6 20	Day 1 21	Day 2 22	Day 3 23	24
25	Day 4 26	Day 5 27	Day 6 28	Day 1 29	Day 2 30	31

OCTOBER 2009

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	Day 3 2	Day 4 3	Day 5 4	Day 6 5	Day 1 6	7
8	Day 2 9	Day 3 10	Remembrance Day 11	Day 4 12	Day 5 13	14
15	Day 6 16	Day 1 17	Day 2 18	Day 3 19	Day 4 20	21
22	Day 5 23	Day 6 24	Day 1 25	Day 2 26	Day 3 27	28
29	Day 4 30					

NOVEMBER 2009

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		Day 5 1	Day 6 2	Day 1 3	Day 2 4	5
6	Day 3 7	Day 4 8	Day 5 9	Day 6 10	Day 1 11	12
13	Day 2 14	Day 3 15	Day 4 16	Day 5 17	Last day of school Day 6 18	19
20	Winter break starts 21	22	23	24	Christmas 25	Boxing Day 26
27	28	29	30	31		

DECEMBER 2009

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					New Years Day 1	2
3	PD Day 4	PD Day 5	PD Day 6	Day 1 7	Day 2 8	9
10	Day 3 11	Day 4 12	Day 5 13	Day 6 14	Day 1 15	16
17	Day 2 18	Day 3 19	Day 4 20	Day 5 21	Day 6 22	23
24	Exam Week 25	Exam Week 26	Exam Week 27	Exam Week 28	Exam Week 29	30

JANUARY 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	Day 1 1	Day 2 2	Day 3 3	Day 4 4	Day 5 5	6
7	Day 6 8	Day 1 9	Day 2 10	Day 3 11	Day 4 12	13
14	Louis Riel Day 15	Day 5 16	Day 6 17	Day 1 18	Day 2 19	20
21	Day 3 22	Day 4 23	Day 5 24	Day 6 25	Day 1 26	27
28						

FEBRUARY 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	Day 2 1	Day 3 2	Day 4 3	Day 5 4	Day 6 5	6
7	Day 1 8	Day 2 9	Day 3 10	Day 4 11	Day 5 12	13
14	Day 6 15	Day 1 16	Day 2 17	Day 3 18	Day 4 19	20
21	Day 5 22	Day 6 23	Day 1 24	Day 2 25	Last day of school Day 3 26	27
28	Spring break starts 29	30	31			

MARCH 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					Good Friday 1	2
Easter 4	PD Day 5	PD Day 6	Day 4 7	Day 5 8	Day 6 9	10
11	Day 1 12	Day 2 13	Day 3 14	Day 4 15	Day 5 16	17
18	Day 6 19	Day 1 20	Day 2 21	Day 3 22	Day 4 23	24
25	Day 5 26	Day 6 27	Day 1 28	Day 2 29	Day 3 30	

APRIL 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	Day 4 3	Day 5 4	Day 6 5	Day 1 6	Day 2 7	8
9	Day 3 10	Day 4 11	Day 5 12	PD Day 13	Day 6 14	15
16	Day 1 17	Day 2 18	Day 3 19	Day 4 20	Day 5 21	22
23	Victoria Day 24	PD Day				
30	Exam Week31	25	Day 6 26	Exam Week27	Exam Week28	29

MAY 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		Exam Week 1	Exam Week 2	Exam Week 3	Exam Week 4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

JUNE 2010



Education, Citizenship and Youth

Instruction, Curriculum and Assessment Branch
 Distance Learning Unit
 555 Main Street, Winkler, MB R6W 1C4
 T 204-325-1705 or 1-800-465-9915 F 204-325-1707
 www.edu.gov.mb.ca/k12

**Course Registration Form for
 Teacher Mediated Option Students
 2009 - 2010**

Class size: Minimum Required/ Maximum -25 students

Due Date: June 5, 2009

School Name			
School Address		Phone Number	Fax Number
City/Town	Postal Code	Phone Number used for Audio Conference Classes	
Name of Division		Name of Contact/Proctor	
Proctor email address		School Code	

Surname	Course Name/Level	Semester	MECY # <input type="text"/>
Given Name	_____	_____	
Date of Birth (yy/mm/dd) Male <input type="checkbox"/> Female <input type="checkbox"/>	_____	_____	
Student's email address	_____	_____	

Surname	Course Name/Level	Semester	MECY # <input type="text"/>
Given Name	_____	_____	
Date of Birth (yy/mm/dd) Male <input type="checkbox"/> Female <input type="checkbox"/>	_____	_____	
Student's email address	_____	_____	

Surname	Course Name/Level	Semester	MECY # <input type="text"/>
Given Name	_____	_____	
Date of Birth (yy/mm/dd) Male <input type="checkbox"/> Female <input type="checkbox"/>	_____	_____	
Student's email address	_____	_____	

Note: M.E.C.Y # refers to Manitoba Education, Citizenship and Youth Student Number.

Surname	Course Name/Level	Semester	MECY # <input type="text"/>
Given Name	_____	_____	
Date of Birth (yy/mm/dd)	Male <input type="checkbox"/> Female <input type="checkbox"/>	_____	
Student's email address	_____	_____	

Surname	Course Name/Level	Semester	MECY # <input type="text"/>
Given Name	_____	_____	
Date of Birth (yy/mm/dd)	Male <input type="checkbox"/> Female <input type="checkbox"/>	_____	
Student's email address	_____	_____	

Surname	Course Name/Level	Semester	MECY # <input type="text"/>
Given Name	_____	_____	
Date of Birth (yy/mm/dd)	Male <input type="checkbox"/> Female <input type="checkbox"/>	_____	
Student's email address	_____	_____	

Note: If you require course materials please submit the Course Material Order Form in September with your course registration confirmations and purchase orders.

I have reviewed the required resources for the above courses, and will ensure that they are provided/available for the students.
Signature of the school proctor/ facilitator _____

When completed, please return to:

Teacher Mediated Option
555 Main Street
Winkler MB R6W 1C4
or
Fax to: 204-325-1707

Do not send cash in the mail. Invoices will be sent out in October. **Registration Deadline: June 5, 2009**

Invoicing Information (if applicable): Original purchase order MUST be submitted with this application in September

Organization to be Invoiced	Phone Number
Mailing Address	Postal Code
City/Town	Purchase Order #

The Teacher Mediated Option office collects student demographic information under the authority of The Education Administration Act. Student demographic information is collected in order to track student progress and record results. This information is protected under the provisions of The Freedom of Information and Protection of Privacy Act. If you have further questions, please contact the Teacher Mediated Option office at 1-800-465-9915.



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 Instruction, Curriculum and Assessment Branch
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 www.edu.gov.mb.ca/k12

Course Material Order Form for Teacher Mediated Option Students 2009 - 2010

Due September

Cost per course: \$22.00 each plus GST (\$1.10) = \$23.10 (non-refundable)

Course Name	Level	Quantity	Cost	Total
			\$22.00	
			\$22.00	
			\$22.00	
			\$22.00	
			\$22.00	
			\$22.00	
			\$22.00	
			\$22.00	
			\$22.00	
			\$22.00	
			\$22.00	
Please ensure that a Purchase Order is sent with this form in September. Cheques/Money Orders are payable to: Minister of Finance Do not send cash in the mail.			Subtotal	
			5 % GST	
			Total	

Ship to

School Name			
School Address		Province	Phone Number
City/Town	Postal Code	Contact Person	

Invoicing Information (if applicable): Original Purchase Order MUST be submitted with application in September

Organization to be Invoiced	Phone Number
Mailing Address	Postal Code
City/Town	Purchase Order #

FOR OFFICE USE ONLY (Do not write in this box)

Date Received	Shipping Details <input type="checkbox"/> Taken _____ <input type="checkbox"/> Shipped _____
Fees Enclosed	
Cheque _____ Money Order _____ Invoice Reference # _____ Balance Owing _____	



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