

St. Clair Catholic District School Board

STUDENT INFORMATION SHEET / OUTLINE OF COURSE OF STUDY

School	St. Patrick's High School
Department	Mathematics
Course Title	Mathematics for Work and Everyday Life (MEL 3E)
Grade	11
Course Type	Workplace
Teacher(s)	
Department Head	Mrs. Kirchmair
Credit	one full
Ministry Document	Mathematics Grades 11 (revised)
Prerequisite	MFM 1P1, MPM 1D1, or a ministry-approved locally developed Grade 10 mathematics course

Course Description

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

How This Course Supports the Ontario Catholic Graduate Expectations:

Through the use of the Catholic course profile as well as additional resources (I.C.E. documents) the Ontario Catholic Graduate expectations will be addressed.

How This Course Supports the Competencies of Choices Into Action:

Career Exploration Activities through classroom experience (page 19 , Choices into Action).

1. Overall Expectations for Student Learning

Through this course, the student will be expected to demonstrate knowledge, skills and values related to the following strands.

Strand 1 Earning and Purchasing

- interpret information about different types of remunerations, and solve problems and make decisions involving different remuneration methods;
- demonstrate an understanding of payroll deductions and their impact on purchasing power;
- demonstrate an understanding of the factors and methods involved in making and justifying informed purchasing decisions.

Strand 2 Saving, Investing, and Borrowing

- describe and compare services available from financial institutions;
- demonstrate an understanding of simple and compound interest, and solve problems involving related applications;
- interpret information about different ways of borrowing and their associated costs, and make and justify informed borrowing decisions.

Strand 3 Transportation and Travel

- interpret information about owning and operating a vehicle, and solve problems involving the associated costs;
- plan and justify a route for a trip by automobile, and solve problems involving the associated costs;
- interpret information about different modes of transportation, and solve related problems.

2. Expectations re: Learning Skills

It is expected that students will demonstrate the following learning skills (this is not intended to be an exhaustive list). Learning skills will be assessed according to criteria which have been clearly communicated to students and will be reported separately from student achievement of the curriculum expectations. The student's demonstrated learning skills in each course will be evaluated using the four-point scale

(E - Excellent, G - Good, S - satisfactory, N - Needs Improvement)

- Strong work habits during class time
- Completed homework and assignments
- Organizational skills on a daily basis
- Initiative in all areas of the course
- Independent learning ability
- Team work ability
- Frequent review of concepts and skills

3. Supports For Higher Learning:

Whenever accommodations are made to address student learning needs, or alternative or modified expectations are identified for a student, these accommodations, modifications, or alternative expectations will be outlined in an IEP and will be communicated to parents.

4. Course Breakdown & Assessment and Evaluation Strategies:

Unit	Unit Title / Description	Assessment & Evaluation Strategies	Unit Planning Notes
Unit 1	Working and Earning	checklists, assignments, tests	
Unit 2	Deductions and Expenses	checklists, assignments, tests	
Unit 3	Paying Taxes	checklists, assignments, tests	
Unit 4	Making Purchases	checklists, assignments, tests	
Unit 5	Buying Decisions	checklists, assignments, tests	
Unit 6	Banking Transactions and Saving Money	checklists, assignments, tests	
Unit 7	Investing Money	checklists, assignments, tests	

Unit 8	Taking a Trip	checklists, assignments, tests	
Unit 9	Borrowing Money	checklists, assignments, tests	
Unit 10	Buying a Car	checklists, assignments, tests	

5. Key Dates, Special Events, and Additional Considerations:

- to be announced by the teacher

6. Teaching / Learning Strategies:

Instruction in this course will include but not be limited to the following:

- use of technology tools: graphing calculators, computers
- presentation of homework solutions to class
- whole class activities
- pairs activities
- group work/ data collection

7. Assessment and Evaluation:

Student achievement of the learning expectations will be evaluated according to the following breakdown.

Categories of the Achievement Chart	Weighting (%)	
	Term Evaluation	Final Evaluation Activity / Exam
Knowledge / Understanding	50	50
Thinking/ Inquiry / Problem Solving	10	10
Application	30	30
Communication	10	10
Final Mark	70%	30%

8. Learning Resources:

Textbook: Mathematics for Everyday Life

9. School, Department and Classroom policies:

- use of student handbook: for reference and for time management
- be prepared for class: paper, pencil, graph paper, calculator
- keep work complete and up to date
- correct all tests and assignments