

SOUTH CARLETON HIGH SCHOOL

Ottawa-Carleton District School Board

STUDENT OUTLINE**MEL3E**

MATHEMATICS FOR WORK AND EVERYDAY LIFE

WORKPLACE PREPARATION 11

Credit Value: 1 credit

Hours: 110

Prerequisite: MAT2L

Expectations

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.

Course Expectations

Strand	Overall Expectations
Earning and Purchasing	Interpret information of different types of remuneration; solve problems; make decisions involving different remuneration methods; demonstrate understanding of payroll deductions and impact on purchasing power; make informed purchasing decisions
Saving, Investing and Borrowing	Describe and compare services of financial institutions; demonstrate understanding of simple and compound interest – solve problems; and interpret information about borrowing and associated costs; and make informed borrowing decisions
Transportation and Travel	Interpret information about owning and operation a vehicle; solve problems with associated costs; plan a trip with associated costs; and interpret information about different modes of transportation and solve related problems.

Accommodations for Exceptional Students

The Mathematics department makes every effort to accommodate the identified needs of exceptional (IPRC'd) students and will attempt to differentiate curriculum delivery methods, student modes of expression, and assessment methods as recommended by the student's individual education plan (IIP).

Career Planning

The Mathematics department makes every effort to ensure students are aware of career opportunities related to various fields of Mathematics. In particular, the teacher will help the student to be aware of "real world" applications of the topics presented in this course.

Technology and Textbooks

Students will have the opportunity to use available software in Mathematics appropriate to the course including Geometer's Sketchpad. Graphing calculators will also be available to the students.

Calculators Each student requires a **calculator** that will be used on a daily basis. Graphing calculators will be supplied when required.

Resources *Mathematics for Every Day Life, Addison Wesley*

Evaluation

Term reports	Final Report	
Students will be evaluated on the overall expectations listed above. Evaluations will cover a balance of Knowledge & Understanding, Application, Communication, Thinking, Inquiry and Problem Solving.	Term	70%
	Summative task(s) **	<u>30%</u>
		100%
	<i>There will be no final exam in this class</i>	

More information on South Carleton High School's policy on Assessment and Evaluation and on Academic Integrity can be accessed on our school website.

Please see **Student Planner** for policies on punctuality, absenteeism and examinations, and other student responsibilities.