

MATERIAL COVERED

The Math 11 Applications course is divided into two main sections:

Numbers, Measurement, Statistics & Probability

- Finance
- Measurement
- Graphs

Patterns, Relations & Functions, Shape & Space

- Non-Linear Functions
- Linear Systems
- Linear Programming
- Circles

TEXTBOOK

The course uses the following:

Applied Mathematics 11

ISBN 0-201-39591-6, Addison-Wesley (Pearson Education)

GRADING

This course works on a mastery system. You must pass the mastery tests in each unit to the 80% level before you can go on. In addition, there are cumulative tests from time to time. These are tests you can take only once, so studying before them is essential to do well. Your final mark for the course is based 60% on mastery tests and 40% on cumulative tests.

GOAL

The goal of this unit is to increase your skills with everyday finance.

OBJECTIVES

While completing this unit you will investigate the following topics

- Earning a living
- Payroll
- Expenses
- Keeping track of money
- Interest
- Compound interest
- Preparing a budget

WHAT TO DO IN THIS UNIT

- This Unit uses **Chapter 5** in the *Applied Mathematics 11* textbook.
- Do at least a few of the *Practise Your Prior Skills* questions at the beginning of each Tutorial to refresh your memory on what skills are required.
- For each Tutorial, read and do the Investigations and Examples listed below, then practice by doing the questions on the pages indicated. Be sure to tick off each section when completed.

Applied Mathematics 11			
✓	Tutorial	Read and Do	Discussing the Ideas/Exercises
	5.1	Investigation 1, Example 1–3	P. 225 #1–4; P.#1–6, 8–10
	5.2	Example 1–3	P.233 #1–12
	5.3	Example 1–3	P. 238 #1–2; P.239 #1–8
	5.4	Investigation 1 & 2	P. 247 #1–4
	5.5	Investigation 1, Example 1–2	P. 255 #1–7
	5.6	Example	P. 262 #1–7
	5.7	Example 1–2	P. 269 #1–8
	5.8	Example 1–2	P. 275 #1–6

- When you are ready, ask your teacher for the Unit 1 Test. Remember, you must get 80% to pass, so studying hard is essential to do well.

GOAL

The goal of this unit is to increase your skills with making measurements.

OBJECTIVES

While completing this unit you will investigate the following topics and practice

- Enlarging and reducing in two dimensions
- Working with measurement uncertainty
- Working with percentage error
- Applying percentage error

WHAT TO DO IN THIS UNIT

- This Unit uses **Chapter 7** in the *Applied Mathematics 11* textbook.
- Do at least a few of the *Practise Your Prior Skills* questions at the beginning of each Tutorial to refresh your memory on what skills are required.
- For each Tutorial, read and do the Investigations and Examples listed below, then practice by doing the questions on the pages indicated. Be sure to tick off each section when completed.

Applied Mathematics 11			
✓	Tutorial	Read and Do	Discussing the Ideas/Exercises
	7.1	Investigation 1, Example	P. 362 #1–6, P. 363 #1–5
	7.3	Investigation 1 & 2, Example 1 & 2	P. 378 #1–7
	7.4	Example 1, 2, & 3	P. 385 #1–7
	7.5	Example 1 & 2	P. 391 #1–8

- When you are ready, ask your teacher for the Unit 2 Test. Remember, you must get 80% to pass, so studying hard is essential to do well.