

Applied Mathematics 40S

Grade 12 Applied Mathematics (40S) is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It is context driven and promotes the learning of numerical and geometrical problem-solving techniques as they relate to the world around us. It builds upon the foundation knowledge and skills from Grade 10 Introduction to Applied and Pre-calculus Mathematics and Grade 11 Applied Mathematics.

Technology is an integral part of both learning and assessment in Applied Mathematics. Graphing calculators, spreadsheets, or other computer software will be used by students for mathematical explorations, modeling, and problem solving.

The learning outcomes are divided into five topics:

- Financial Mathematics
- Logical Reasoning
- Probability
- Relations and Functions
- Design and Measurement

Students will be evaluated using the following evaluation scheme for term work.

Knowledge and Understanding	60%
Daily Work	10%
Mental Math	10%
Problem Solving	20%

At the completion of the course, students are required to write a three-hour provincial math exam. This exam is usually written in the third week of January (Semester 1) or the second week of June (Semester 2) and is worth 30% of the total year.

Daily Supplies:

- ✓ Three-ring binder with loose-leaf paper. Scribblers make it difficult to hand in assignments.
- ✓ Pencil: Math is much easier to read in pencil! Please come with one.
- ✓ A Texas Instruments Graphing Calculator will be supplied for the duration of the course at no charge. Students will be responsible for replacement in the event they are lost.

Textbook:

We will be using Foundations of Mathematics 12 (Nelson) in this course. Please respect the textbook that you've been given. Refrain from writing in it, bending pages, or using it as a folder.

Expectations:

- ✓ Be on time! Arriving late disrupts the class and your learning.
- ✓ You are expected to manage your time in order to meet deadlines. Use an agenda if necessary.
- ✓ If you miss a class, arrange for your homework to be picked up, or find out what you missed before the following class. It is YOUR responsibility to do this!
- ✓ All work should be neat and legible.
- ✓ If you miss a test day, the test must be written the following Tuesday or Thursday. Be prepared for this!
- ✓ Be respectful.



If you need help, do not be afraid to ask! I am here to teach and guide you through this year. Parents and/or guardians, please feel free to contact me with any questions or concerns.

I look forward to a great year!

- Mr. R Comeault (rcomeault@isd21.mb.ca)