

**Math 11 Foundations**  
**Betty MacDonald**  
**Sydney Academy 2009/2010**

**Overview:**

This is a one credit course designed to provide students the opportunity to gain better understanding of math.

**Course Outline**

The grade 11 course is divided into four sections:

**Making Choices** - Linear Programming- systems of equations, graphing equations and inequations, finding constraints, problems

**Decision Making in Consumer Situations** - budgeting, credit, interest, income, taxes

**Trigonometry**- right- angle trig, sine and cosine laws, angle of elevation and depression

**Statistics**- sampling, bias, standard deviation, displaying and interpreting data

**The math curriculum** in the province of NS is a spiral one. Topics introduced in earlier grades may be expanded and developed fuller in later grades. Students have a text and as well others resources will be used. Handouts should be put into binders in the appropriate places. All tests and assignments are returned to the students and should be kept in a folder. These can be used as study aids. Students can prepare for tests by reviewing their notes daily to insure their understanding of the concepts. Lots of practice is necessary to compliment and reinforce this understanding .

**Attendance** is very important. Students absent from class, for any reason, are **still held responsible for the work missed**.

Teachers are not required to do make-up tests or assignments due to excused absences and students who miss assessment due to unexcused absences can be given a mark of zero.

Homework is assigned daily. Students are to use their agendas for recording homework and test dates. Homework is recorded daily on the school website.

Extra help is available at 12:15 Monday and Friday. After school times can be arranged.

**Supplies:**

three ring binder, paper, pencils, calculator, math set and graph paper

**Assessment and Evaluation:**

Assessment is an on-going process. A variety of methods are used to accommodate the various ways in which students learn and communicate their learning. Some of these may include tests, quizzes, in-class assignments, homework, projects, class participation and teacher observation. Attendance, attitude, and work ethic go along way in helping a student have a successful year.

**Suggestions for students:**

Keep table of contents and vocabulary page current

Copy all notes and examples

Use dates and titles

Use class time wisely

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Get help when necessary.....ask questions.  
Extra help is available  
Keep up to date.....get missed work  
Do homework to the best of your ability

**Communication:**

Phone calls, conferences, tests, and homework are some ways information about your child's progress can be communicated.

**Assessment :**

Tests/Assignments, etc.	50%
Comprehensive test	20%
Final exam	30%

There are several math sites that may be useful to parents and students. Most are interactive.

[purplemath.com](http://purplemath.com)

<http://regentsprep.org>

[coolmath.com](http://coolmath.com)

<http://nlvm.usu.edu/en/nav/index.htm>

<http://www.mathgoodies.com/>

[nctm.org](http://nctm.org)

<http://illuminations.nctm.org/ActivitySearch.aspx>

Please complete the following information and have your son/daughter return the bottom portion to me.

Thank you,  
Betty MacDonald

Student's name: \_\_\_\_\_

Date: \_\_\_\_\_

Parent(s)/Guardian(s) signature: \_\_\_\_\_

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