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| **Teacher: Ms. Lysne** | **mlysne@deltasd.bc.ca** |
| **Classroom: 183** | **http://www.lysneclassroom.weebly.com** |

# Course Rational

Learning to solve problems is the main reason for studying mathematics. In today’s technological world, many people are finding that their job demands higher levels of mathematical ability than ever before.

# Course Structure

The material for this course will be delivered in a variety of ways, the intention being to address the different learning style preferences of students enrolled in the course and at the same time, utilize suitably proven teaching methods to ensure successful concept development. It is expected that all students will endeavor to work equally well independently or collaboratively.

Textbook assignments will be given on a regular basis. On going student self-assessment will be an integral part of this course as students learn to take responsibility for their own learning.

# Course Grade

Students will be assessed and evaluated on an individual basis using a variety of the following techniques:

|  |  |  |
| --- | --- | --- |
| **Category** | Description | **Weight** |
| Tests **&**  **Projects**  Teacher evaluation | • midterm testing  • chapter tests  • cumulative testing  • cross-grade testing  • projects | 80 % |
| Quizzes Student self-assessment | • skill assessment  • *may* have chance for rewrite | 10 % |
| Assignments **&**  **Practice**  Teacher evaluation  Student self-assessment  &  Concept and skill development | • worksheets  • group assignments  • homework completion  • in-class warm up questions | 10 % |

# Work Habits Grade

Students are encouraged to demonstrate the kind of work habits that would be valued in any job situation. In general, qualities like punctuality, preparedness, perseverance through problem solving activities and diligence are minimum expectations in the work force. Students will be evaluated specifically as outlined in the Delview Student Agenda.

# Materials Required For Class

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| --- | --- |
| **Required Every Class** | **Required Occasionally** |
| • 2 pencils (no erasable pens)  • good eraser  • Math textbook  • 3-ring binder with loose-leaf paper  • scientific calculator  • ballpoint pen for marking work  • 30 cm ruler (unbroken) | • graphing paper (always have some in binder)  • pencil crayons  • scissors  • miscellaneous minor supplies as required |

# Course Content

The Foundations of Mathematics 10 curriculum covers 9 main topics. It is meant to give the skills required for Foundations of Mathematics 11 or Pre-calculus 11. For those students who wish to go on, the concepts will also be needed for Foundations of Mathematics 12, Pre-calculus 12, Calculus and beyond.

# Course Outline

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| --- | --- |
| **Topic** | **Chapter Of Textbook** |
| Rational Numbers  Powers and Exponents  Polynomials  Linear Relations  Solving Linear Equations  Linear Inequalities  Area and Volume  Data Collection and Statistics  Scale Factors and Similarity | 2  3  5/7  6  8  9  1  11  4 |

**Classroom Expectations**