**Foundations of Math 12**

**Mr. C. Veldkamp Room 536**

**Text:** Math at Work 12 (McGraw Hill-Ryerson)

**Calculator:** TI-83 or 84 Graphing Calculator

\*Many of the topics covered throughout the course will require the use of a graphing calculator. Students may be at a disadvantage if they do not have a graphing calculator for lessons, homework, and exams.

**Evaluation:** Your final mark will be made up of the following:

Major Summative Assessments……………………………………..………………40%

Probability & Statistics Unit Exam………………….…….. 20%

Linear Relations Unit Exam……………………………….. 20%

Number Unit Exam………………………………………… 20%

Geometry Unit Exam………………………………………. 20%

Measurement & Trigonometry Unit Exam………………… 20%

Minor Summative Assessments……………………………………………………. 40%

May include:

* Quizzes
* Assignments
* Projects

Final Exam ………………………………………………………………………… 20%

\*\*Marks distributions shown above are subject to change

**Topics**

|  |  |  |
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| **Sequence** | **Unit Name** | **Textbook Chapters** |
| 1 | Probability & Statistics | Ch. 1: Measurement & Probability (Sections 1.2-1.4)  Ch. 2: Working with Data |
| 2 | Linear Relations | Ch. 3: Linear Relations |
| 3 | Number | Ch. 4: Real-Life Decisions |
| 4 | Geometry | Ch. 5: Properties of Figures  Ch. 6: Transformations |
| 5 | Measurement & Trigonometry | Ch. 1: Measurement & Probability (Section 1.1)  Ch. 7: Trigonometry |

**Expectations**

1. Respect
   * Show respect for each other, your teacher and your school.
2. Attendance
   * Consistent attendance and coming to class on time and prepared are critical for your success. You may not receive credit for the course if you are absent too many times.
   * You are responsible for any missed material taught in class.
3. Do the Work
   * Studying and practice are critical for your success. Use class time wisely and complete assignments.
4. Take Responsibility for Learning
   * Pay attention, participate, reference notes and practice. Ask questions when you do not understand.
   * Seek help from your teacher, friends, family or a tutor.
   * Make use of the after school NKLB sessions in the library.
5. Assessment
   * You are expected to write all assessments. If any Major Summative Assessments are not complete, you may receive a final mark of incomplete and not receive credit for the class.
   * If you know you will be absent from an assessment, please speak to your teacher ahead of time to make arrangements for you to write it.
   * If you miss an assessment at the last minute you should be prepared to write the assessment on your return to school. Approach your teacher to discuss a time to write.