Course Outline

**UNITS**

### Unit 1: Rational Numbers

1. Review of Number Operations
2. Comparing and Ordering Rational Numbers
3. Problem Solving with Rational Numbers in Decimal Form
4. Problem Solving with Rational Numbers in Fraction Form
5. Determining Square Roots of Rational Numbers

### Unit 2: Powers and Exponents

1. Using Exponents to Describe Numbers
2. Exponent Laws
3. Order of Operations
4. Using Exponents to Solve Problems

## Unit 3: Symmetry and Surface Area

1. Line Symmetry
2. Rotation Symmetry and Transformations
3. Surface Area

## Unit 4: Scale Factors and Similarity

1. Enlargements and Reductions
2. Scale Diagrams
3. Similar Triangles
4. Similar Polygons

### Unit 5: Introduction to Polynomials

1. The Language of Mathematics
2. Equivalent Expressions
3. Adding and Subtracting Polynomials

### Unit 6: Linear Relations

1. Representing Patterns
2. Interpreting Graphs
3. Graphing Linear Relations

### Unit 7: Multiplying and Dividing Polynomials

1. Multiplying and Dividing Monomials
2. Multiplying Polynomials by Monomials
3. Dividing Polynomials by Monomial

**EVALUATION SCHEME**

Assignments, Course Work, and Quizzes 40 %
Exams and Projects 45 %
Final Exam 15 %

**IMPORTANT DATES**

*Parent Teacher Interviews October 30*

*Reports Period October 16, December 4*

**Final Evaluation**

Your final evaluation takes place on Thursday, January 22.

**CLASSROOM POLICIES**

**Missing Work**

All assignments, quizzes, and exams must be handed in or written on the due date. Should a student have an *excused absence*, he/she must complete all work on the date of return. If that is not possible, communicate with me *prior* to your absence (or in the event of an unexpected absence, while you are away) to set up suitable due dates.

Any unexcused absence will automatically result in a mark of NHI0 for the assignment, quiz, or exam due that day.

Should you require an extension, please make arrangements with me *before* the due date.

**Attendance Policy**

Please refer to page 6-7 of your student agenda for this policy. In short, it explains that you may not exceed 15 total absences or 15 total lates in any class. Failure to do so will result in your being removed from the class without the option to repeat it next semester. I will be making parent/guardian contact well before you get to 15 absences or lates.

**Improving Your Mark**

During the course of a unit there will be at least one quiz and a unit exam. The main purpose of a quiz is to identify areas where improvements are needed. If the exam is higher than the quiz mark(s), the quiz mark(s) will be upgraded to the exam mark to reflect the mastery of the objectives.

**Rewrite Policy**

Should an exam, quiz, or assignment go poorly for you, each student has the opportunity to rewrite one exam per semester if:

1. You do not have any unexcused absence or lates.
2. You arrange some tutorial time with me before any re-writes may be granted.
3. You re-write outside of class time.
4. Both exam/quiz/assignment marks will be averaged.

**Just In Case File**

If you receive a zero on an assignment, you may hand in the assignment any time up to and including the day of the final assessment for this course.  If your mark in the class (after the final assessment is marked) is below 50%, I will then mark your “just in case assignments” and credit you with marks up to the point that your overall mark in the class reaches 50%.  These assignments will not result in students receiving an overall mark over 50% in this class.

**Class Materials**

You are to come to each class with your agenda, binder containing loose leaf paper, textbook, handouts, pencil, eraser, pens, and a calculator.

**Online Course Materials and Communication**

Students and parents can visit [www.msthibeault.weebly.com](http://www.msthibeault.weebly.com) to keep up to date with important notices, assignment due dates, extra resources, and much more. Students can contact me by commenting on the blog, sending me a tweet @MissThibeault, or by emailing s.thibeault@rcsd.ca. Parents can contact me by email at s.thibeault@rcsd.ca or by phone at 306-791-7230.

Disclaimer: I will communicate all information in class either verbally or in writing. Please pay attention and use your student agenda. I cannot promise that I will always post all information online for you. Do not rely on technology instead of your eyes and ears.

**Technology**

We may use different technology for this class. This may include a cell phone, iPad(s)/tablet(s), or computers. We may use technology as a class, or permission may be granted individually depending on the situation. If I have not given you *explicit* permission to use your phone or any other technology, it should not be seen or heard.

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I, , parent/guardian of , have read this course outline and discussed the included expectations with my student.

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 STUDENT SIGNATURE

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PARENT SIGNATURE