

MATHEMATICS 8 HONOURS COURSE OUTLINE

Text: MathLinks 8 by McGraw-Hill Ryerson

App: Canvas Student

Unit 1: COMPUTATION

- Integer Review
- Fraction Operations
- Powers and Roots
- Order of Operations

Unit 2: NUMBER REPRESENTATIONS

- Percents, Fractions, Decimal Conversions
- Ratios, Rates, and Proportional Reasoning
- Best Buys

Unit 3: GEOMETRY

- Surface Area of Prisms
- Volume of Prisms
- Pythagorean Theorem

Unit 4: LINEAR RELATIONS

- Defining Linear
- Graphing
- Solving Linear Equations

Unit 5: ANALYZING DATA

- Probability

Enrichment: Gauss Math Contest

Wednesday, May 13, 2020; 3:15PM - 4:15PM

Note: The contest result will not affect the class mark.

Learning Environment

This year we will be implementing a technology-supported learning environment in our classroom through the app “Canvas”. Canvas is an online, multi-modal learning space where students have the ability to interact with a variety of media, while also getting teacher and peer support, to develop basic numeracy and problem solving skills. It will also give students the flexibility to work on both teacher and student generated projects throughout the year. We will have some iPads available to use in the classroom, but students are asked to bring their own device (iPod, phone, tablet) if possible.

Evaluation

In this course we will use Standards-based grading. Standards-based grading measures students’ mastery of the Mathematics 8 Curriculum, or in other words, how well students understand the course material. The goal of this approach is to provide the teacher, student, and parent/guardian with a clear picture of the students’ progress, and to provide a framework for dialogue about how students can move forward with their learning.

Classroom Expectations and Procedures

1. Show up on time. This means sitting in your own desk when the bell rings. If you are late, enter quietly and do not disturb the class.
2. Homework will be assigned each class and will be expected to be complete at the beginning of the next class. **If you miss class, you are still responsible for the work missed.**
3. **You will not be allowed to write a missed exam unless one of your parents or guardians phones me ahead of time.** You will make up the exam at my convenience, but you should be prepared to write the exam the day you return to school.
4. Drop-in help is available before school every day and after school on Wednesdays and Thursdays. Come for extra help as needed – DO NOT wait until the day before the test!
5. Everyone treats all members of the classroom with respect and consideration.

NOTES

1. Enrichment students are expected to maintain a minimum proficient “B” standing in the course. Students slipping below this level may be transferred to a regular class at the discretion of the teacher.
2. Enrichment students are expected to not only work hard at math, but to enjoy that work.

Ms. Drake's Website: <http://drakemath.weebly.com>