

MATH 8 COURSE OUTLINE

Mr. Singh

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Learning Outcomes:

The object of this course is to not just introduce certain mathematics topics but to instill number sense and critical thinking required to develop long term skills for problem solving. Mathematics is not just number and symbols, it teaches you perseverance, logic, and beauty. Our goal for this next term will be to build on skills from before and extend our understanding. We will learn new concepts and application of new formulas.

Onus of Learning:

This is the start of your high school academics and the skills you will learn in this class will be built on in later math classes and will follow into sciences. It is very important that you understand that your learning is up to you. Everyone is given the same notes, worksheets, and teaching. If you require any help, more time and have any questions, it is up to you to come ask.

Curricular Content:

- 1) Integers and Order of Operations
- 2) Fractions
- 3) Ratio, Rates, Proportions and Percent
- 4) Perfect square, square root and Pythagorean Theorem
- 5) Linear Relations and equations
- 6) Nets, Surface Area and Volume
- 7) Probability and Statistics

Required Materials:

Everyone is required to bring their supplies to class.

- Pencil, eraser, lined paper, binder, ruler, notebook and scientific calculator.

Classroom Expectations:

- Arrive to class on time, with all your supplies, a positive attitude and be ready to work.
- No cellphones in class. Cellphones are a huge distraction, not only to your learning but to others learning as well. Please keep your cellphones in your backpack when you come into class.
- If you are absent from class(short-term), you are still responsible for ALL material covered. Find out what you missed, get notes or handouts given during class, and do your best to get caught up and complete the assignments missed.
- If you are absent from class (long-term), you are still responsible for ALL material covered. Please come see me as soon as possible to work out a plan/schedule to get caught up.
- We must have a growth mindset in this classroom. Mistakes are just opportunities to learn.

- We are respectful, collaborative and attentive in this classroom. Intolerance and disrespect of any member of this classroom will not be tolerated.

How to Succeed (Academic Supports):

- Assignments when given are to be completed in class time. Make use of the opportunity to ask your teacher and fellow peers for help. Any unfinished work at the end of class becomes 'homework'. Assignments are PRACTICE and are key to develop and solidify skills and concepts learned.

- If you are struggling with the material at any point in the course, please speak to me as soon as possible. Tutorials may be arranged for help/assistance outside of class time. I am available, by appointment and after school.

-Regular review/study/practice in Mathematics is essential to master concepts, build confidence and ensure success on tests and exams.

Grading:

Course breakdown:

Quizzes:	20%
Test:	40%
Assignments:	10%
Exam:	20%
Projects:	10%

Quizzes: Periodically, quizzes will be given to students as formative assessment. This so the student can track their progress before the test. These are meant to help students recognize which areas they need to revisit. Students will know the dates of quizzes well in advance.

Test: Chapter test will be given to students at the end of a chapter. Students will be notified well in advance of test dates.

Please make sure that you are not absent on test or quiz dates. Since quizzes are given frequently, missed quizzes cannot be taken more than 2 days since quiz date.

Test must be made up with 4 days of missed test, as more time given would be a disservice to students who were present.

I understand that sometimes it is not possible to always be present or have something else come up. If there is any issues, please discuss with me, and we can find the best way to make sure you are given fair opportunity to show case your understanding.