

MATH 9 COURSE OUTLINE

Mr. Singh

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SUPPLIES REQUIRED: Scientific calculator, binder, writing supplies, and paper.

Math 9 builds on concepts that were covered in Math 8 and introduces new skills to be expanded upon in Foundations and Pre-Calculus 10. Students in Math 9 will continue to develop their mathematical communication and problem-solving skills as they are introduced to new concepts. **Your level of success will be determined by your effort throughout the course.**

CURRICULAR COMPETENCIES:

1. Reasoning and modelling
2. Understanding and solving
3. Communicating and representing
4. Connecting and reflecting

Learning Standards Rubric:

Assessment for Math 9:

Quizzes and tests will contain specific skills or learning standards from the units in the course. Questions for each learning standard will vary based on level of difficulty and will be given a specific level from 1-4. As you provide evidence of your level of understanding of each learning standard, a letter grade will be generated based on the following guiding principles:

Approaching (0)	Emerging (1)	Developing (2)	Proficient (3)	Extending (4)
33	50	67	83	100
	App/Emrg (0.5)	Emrg/Dev (1.5)	Dev/Prof (2.5)	Prof/Ext (3.5)
	41	59	75	91

If there is insufficient evidence (**IE**) of learning demonstrated, 0% will be given.

Grading:

Course breakdown:

1. Topics Covered: 70%

Unit 1- Rational Numbers

Unit 2-Exponents

Unit 3- Polynomials

Unit 4 -Linear Relations

Unit 5- Linear Equations

Unit 6- Square roots and Surface Area

Unit 7- Similarity & Scale Factors

Quizzes: 20%

Unit Test: 40%

Assignments: 10%

NOTE: Each topic will include formative and summative learning standards assessments, and assignments.

2. Mid-Semester Summative Assessment 10%

3. Final Semester Summative Assessment 20%

****Missed assignments and assessments are expected to be completed at an arranged date.****

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

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.

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.