Math 9

2022-2023 Course Outline

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**Course Information**

Welcome to Math 9! Math is a skill for everyday life! Math is in rapidly advancing areas such as technology, science, and business. This course is designed to give you a greater proficiency in mathematics to prepare you for higher level math courses. Math 9 will increase opportunities that are available to you, as an individual, and our financial literacy unit can even help you get rich!

**Topics**

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| * Exponents (Ch 2)
* Rational Numbers (Ch 3)
* Probability and Statistics (Ch 9)
* Polynomials (Ch 5)
* Algebra: Linear Equations (Ch 6)
 | * Linear Relations (Ch 4)
* Scale, Maps, and Similar Triangles (Ch 7)
* Financial Literacy (not in textbook)
* Puzzles and Games (throughout the year)
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**Course Materials**

Textbook: *Math Makes Sense 9* – Pearson

School supplies: - **Calculator** (cell-phone calculators not permitted. Calculators cannot be shared).

* **Journal**, e.g., a **thin notebook** or dollar-store journal
* **Binder** with **Lined paper**
* **Pencils**\*, eraser, ruler, highlighters (different colours are useful)
* **Dry-erase markers** (recommended to have your own)

Assignments

* Assignments: Each class, there is a math assignment to help you practice and develop understanding.
* Label each assignment: For each assignment, write “*Day 1” or “Day 2”, etc.*
* *“The answer doesn’t matter. Communicating how you got the answer matters!”*
* *If you copy the answer without showing your work, be prepared to be able to explain to me how you solved those problems in order to get credit.*
* You are responsible: It is YOUR responsibility to *complete* assignments, *check your work*, and *ask questions* about anything you don’t understand. Remember, the more you practice, the stronger the neural connections you’ll make!
* If absent, you are still responsible: You are responsible for work assigned on days you were absent. If absent, check with a classmate and/or my website (mkamber.weebly.com) for assigned work.
* Assignments due: All assignments are due on the day of the Unit Test (at start of class). You must already have filled out your Assignment Cover Page Self-Assessment regarding how much work you did. Late assignments will not be accepted.
* This course moves quickly: You cannot put off the homework for a specific topic and still expect to be able to move on with the next lesson.

What is Math Madness?!? This is a designated time when you are encouraged to come for help and work on your assignments! We meet in my classroom (Flex Time 8:40-9:10, or to 9:20 on Fridays). Stay as long as you like.

Expectations

1. **Masks are welcome:** Keep you, your family, and the families of those around you safe!
2. **RESPECT people, property, and yourself.**
3. Behave **maturely** towards everyone in the class.
4. **Work** hard and be **kind**. **Be prepared** to work with others and for changes in seating.
5. Keep a **growth mindset**. (Believe in your math abilities!)
6. Keep **cell phones** and **listening devices** away unless instructed by the teacher.
7. We do math (& puzzles) for the **whole** block!
8. If you are **absent**, you must **bring a valid note** from a parent/guardian. Students are expected to check their assignments package for details of assigned work and *to be up-to-date on material when they return*.
9. **Use class time wisely** to complete work and **ask for permission** if you need to leave the room and *return as soon as possible*.
10. Try your best but ask for **help**. Come to **Math Madness** and/or make an appointment to see me during lunch or after school.

Policy on Absences for Unit Tests

* If a student knows that they will be absent on the day of an upcoming test, they must make prior arrangements with the teacher to write the test at another time.
* *If a student misses a unit test*, a **parent or guardian must phone or email the teacher on the day of the test**, excusing the student from the test on that day. A day to write the test will be arranged.
* If all other cases, students will have to wait for a make-up day towards the end of the term to write the test.
* ***Being nervous or unprepared for a test is not a valid reason* for absence on the day of the test.**

Honesty Policy and Test-Taking Procedure

1. Cell **phones** at the front of the class.
2. Be prepared for assigned **seating**.
3. **No electronic devices**.
4. **No talking or communication** with classmates.
5. No notes or extra paper.
6. Eyes on your own paper.
7. **No sharing** of supplies/information.
8. Put your hand up if you have a question.
9. Bring your silent reading book for when you're done or try a **puzzle**.

10. **Cheating = 0** plus **meeting** with your parents/guardians.

Burnaby South Secondary School’s Honesty Policy in outlined in your Student Planner.



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| AssessmentThe BC Ministry of Education is moving to a Standards-Based Grading (SBG) system that assesses students’ level of mastery on various learning goals or standards. The Learning Goals:Content & Calculations (Content)Reasoning and Analyzing (RA)Understanding and Solving (US)Communicating and Representing (CM)Connecting and Reflecting (CR)Instead of assigning just one mark for a test, the learning outcomes are assessed individually using a 4-point proficiency scale. In this way, students receive more specific feedback on their progress in each area. The Ministry’s 4-point scale is:  |

No overall percentage will be assigned in this course. However, a description of the student’s level of understanding for each learning outcome will be provided at the end of each unit.

