

Mathematics 10-3

Course Outline

Teacher: Mrs. Gebhardt
elizabethgebhardt@prrd8.ca Room 124
403-528-1996, ext.2022

PURPOSE

Welcome to Math 10-3! This course is designed for students to construct their understanding of mathematics by developing meaning based on a variety of learning experiences. This meaning is best developed when learners encounter mathematical experiences that proceed from simple to complex and from the concrete to the abstract. The diversity of learning styles is addressed by the use of manipulatives, visuals, and a variety of teaching and learning methods. Using a variety of tools and materials, as well as engaging in meaningful discussions, is important for students to develop a deeper understanding of concepts and skills. More specifically, the goals for students in this course are to:

- Solve problems.
- Communicate and reason mathematically.
- Make connections between mathematics and its applications.
- Become mathematically literate.
- Appreciate and value mathematics.
- Make informed decisions as contributors to society.

COURSE CONTENT

1. **Measurement - Develop spatial sense through direct and indirect measurement.**
2. **Geometry - Develop spatial sense.**
3. **Number Sense - Develop number sense and critical thinking skills.**
4. **Algebra - Develop algebraic reasoning.**

COURSE SEQUENCE

Topic	Approximate Time (classes)
Linear Measurement and Conversions (including mass and temperature)	20
2D and 3D Measurement (Area and Volume)	10
Lines and Angles	18
Relationships in Right Triangles	14
Working with Money	8
Earning Income	12
Review	7

***note: algebra and puzzles will be integrated throughout the course.**

MATERIALS

- Scientific Calculator (your own, not on your phone).
- Binder, paper, pencils, eraser, ruler
- 80-page notebook

EVALUATION

Unit Tests	30%
Daily Work, Assignments, Projects, Digital Portfolio	25%
Quizzes and Exit Tickets	25%
Final Exam	<u>20%</u>
Total:	100%

EXPECTATIONS

1. Arrive on time and ready to learn (all materials present, positive attitude).
2. Respect yourself, your classroom, your classmates, and staff members.
3. Responsibility - take ownership of your learning, complete all work to the best of your ability or ask for the help you need to do so.
4. Results-remember that showing the correct process is more important than getting the correct answer. Take risks and make mistakes-these help us learn!
5. Active Participation -active listening, participation in group activities, individual work, and class discussions.
6. Please sign out/sign in when you need to use the washroom. Only one student is permitted out of the room at a time.

ATTENDANCE

Regular attendance is essential for success. It is the student's responsibility to get caught up if absence is unavoidable. Work will be posted on Google Classroom where possible. Please check in with your teacher in advance if you know that you are going to be away. If you miss a test or an in-class assignment and your absence is EXCUSED, you will be permitted to make up the work as soon as possible after your return. Students with UNEXCUSED absences will not be permitted to make up missed tests or assignments.

EXAMS

- It is YOUR responsibility to prepare for all your tests/quizzes.
- If a student is absent for any quizzes/exams, they will be expected to make arrangements with the teacher to write the exam/quiz in a timely manner.
- When students are absent the day of a test, they will be given a different version of the test AND may void their privilege to rewrite that particular test.
- Requests to not write the test on the planned day will not be honoured.
- Tests need to be completed in one sitting and students will be permitted double time.
- Teachers will not help with answering questions while a student is writing a test it is important to study and be prepared for the test on the day of the test.

REWRITE POLICY

If a student feels that their mark is not reflective of their ability, they will have the opportunity to re-write any unit test at the end of each semester. However, the following conditions must be met:

- The test will be written outside of class time.
- The re-write mark will become the new mark whether it is higher or lower than the original mark.
- There will be NO rewrites on open book quizzes, cumulative exams, or final exam.
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Academic Dishonesty (as taken from Student Handbook)

Examples of academic dishonesty include, but are not limited to:

- Taking someone else's work or ideas and passing them off as one's own including:
 - copying from another student
 - copying/downloading from the internet
 - taking and/or sharing pictures of assessments
 - use of any Artificial Intelligence (A.I.) programs like, but not exclusive to, ChatGPT or Photomath
- Anything copied either in whole, in part (even if just brief parts like the main idea or one example or sentence), or in concept. This also includes the rewording of sentences or ideas to make it look like your own work
- Those who [allow their work to be copied](#)/share their work are aiding in the process and therefore **JUST AS RESPONSIBLE AND LIABLE** to be held to the same consequences as the student who handed in the plagiarized work.

Depending on the severity of the violation, the offending student(s) may suffer any or all of these consequences in consultation with the teacher and/or Administrator's discretion. Consequences include, but are not limited to:

- Redoing the assignment
- Parent contact
- A mark of zero on work submitted
- Detentions
- Referral to the administrator
- Phone must be handed in to the office - see cell phone procedure

HOMEWORK

If you use your class time effectively, you should not have homework. Students needing extra time to build understanding are encouraged to practice at home.

EXTRA HELP

The best time to ask for help is during class. If you need more help, please arrange to come during TAG, or make arrangements with your teacher to come at lunch or before/after school.

CELL PHONE POLICY

Please leave your cell phone in your locker or backpack during class time. Cell phones may only be used in class with the express permission of the classroom teacher.

You are in control of your own success. I am here to help you every step of the way. Please let me know if there is something you need to make your learning experience better.

Have a great semester!

