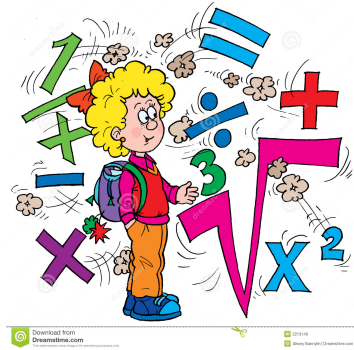


Mathematics 10-3 Course Outline

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



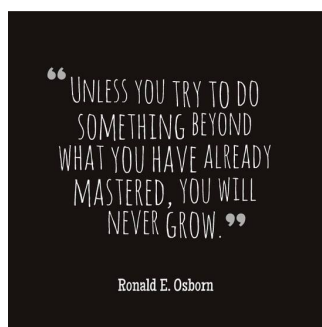
PURPOSE

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, are 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
Linear Measurement and Conversions	12
Area Measurement and Volume	10
Capacity, Mass, and Temperature	8
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

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

EVALUATION

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

MATHEMATICS
is not about
numbers, equations,
computations, or
algorithms:
it is about
UNDERSTANDING.

William Paul Thurston

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.

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 quiz, 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 quizzes..

REWRITES

Students will be permitted to rewrite unit tests towards the end of the semester if the student is not achieving their desired grade.

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 after school.

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!

