

Workplace Math 10

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Course Outline

Welcome to Workplace Math 10. During this semester, we will explore the math content listed below in a variety of ways, and to different extents, with the dual focus of using math in the real world and becoming more confident in your skills, attitudes and knowledge around the subject.

Big Ideas (UNDERSTAND)	Content (KNOW)	Curricular Competencies (DO)
<p>Proportional Reasoning is used to make sense of multiplicative relationships.</p> <p>Mathematics informs financial decision making.</p>	<ul style="list-style-type: none"> ✓ Financial literacy: gross & net pay ✓ Primary trigonometric ratios ✓ Metric & imperial measurement & conversions 	<ul style="list-style-type: none"> ✓ Reasoning and modelling ✓ Understanding and solving ✓ Communicating and representing
<p>3D objects can be examined mathematically by measuring directly and indirectly length, surface area and volume.</p>	<ul style="list-style-type: none"> ✓ Surface area & volume ✓ Central tendency ✓ Experimental probability ✓ Create, interpret & critique graphs 	<ul style="list-style-type: none"> ✓ Connection and reflection
<p>Flexibility with number builds meaning, understanding and confidence.</p>		
<p>Representing and analyzing data allows us to notice and wonder about relationships.</p>		

Course and Classroom Expectations:

How to be successful

- Come to class **on time** and **prepared**.
- **Be organized**. Keep all of your coursework in your binder. Your work should serve as a reference for unit tests, quizzes and projects. I will collect your work for at the end of each unit. Hand in all assignments on time.
- Use class time effectively. Behavior in the classroom should reflect a responsible and respectful attitude for yourself and others.
- Do your math work in pencil, not pen. An important part of **learning** math is making mistakes, but you will need to fix them – bring an eraser.
- **Ask for help** when you do not understand a concept. I am available during class and after school.
- **Be respectful** of your teacher, fellow classmates and the classroom. We are all unique and individual learners, so the learning environment needs to be comfortable and **safe** for everyone.
- Food and drink are allowed as long as you remove all garbage and clean up after yourselves.
- Cell phones may be used during **individual work time only** and not during lessons, activities or tests. No sharing of music between students. If the audio device becomes a distraction, a student will lose the right to its use.
- **Attend** regularly. If you have missed something, you are responsible for making up missing work, quizzes etc.
- Keep trying! You may redo tests or assignments to better show your understanding of each concept
- Remember your **growth mindset!**

Required Materials:

Please bring the following items with you to every class:

- ✓ Binder with notepaper and class handouts
- ✓ Pencil/eraser (for work) and pen (for marking)
- ✓ Scientific calculator

Assessment

Assessment will be formative and summative through the course and will include: Tests, Quizzes, Assignments, Projects