

Course: Workplace Mathematics 10
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Course Length: 10 months
 (approx. 120 hours)

Course Curriculum

The curriculum for this course is built around the following Big Ideas:

Proportional reasoning is used to make sense of multiplicative relationships.	3D objects can be examined mathematically by measuring directly and indirectly length, surface area, and volume.	Flexibility with number builds meaning, understanding, and confidence.	Representing and analyzing data allows us to notice and wonder about relationships.
Students are expected to know the following: <ul style="list-style-type: none"> - create, interpret, and critique graphs - primary trigonometric ratios - metric and imperial measurement and conversions - surface area and volume - central tendency - experimental probability - financial literacy: gross and net pay 			

Assessment of Learning

Category	Weighting
Unit Assignment	50%
Quizzes	20%
Unit Exams	30%

Resources

- Textbook not required. All resources are available online.
- Scientific calculator required.

Course Content

Each unit contains formative assessments of quizzes and a unit assessment, in addition to a summative assessment of a Unit Test.

Students must submit the first Unit Assignment to be activated in the course.

There are 7 Units in this course:

Unit 1: Experimental and Theoretical Probability
 Unit 2: Graphs
 Unit 3: Measurement and Conversions

Unit 4: Trigonometry
 Unit 5: Surface Area and Volume
 Unit 6: Central Tendency
 Unit 7: Financial Literacy

Keys to Success

Throughout the course, students are expected to:

- contact the teacher by email or phone when help is needed, or questions arise
- be actively engaged and submitting work on a regular basis
- inform the teacher when they will be inactive for two or more weeks.
- be aware that if they are inactive in a course for four or more weeks they may be removed from that course
- check their email at least twice a week
- create and submit completed solutions for all activities in the unit/chapter before requesting a test.
- cite all sources properly
- answer in their own words
- check that their work and tests have been marked.
- make appointments to write tests at least 2 school days in advance. Tests must be supervised by a parent or guardian.

Plagiarism

Plagiarism is unacceptable under any circumstance. You are expected to create authentic work which demonstrates your own understanding. If you are caught cheating, plagiarizing, or submitting AI-generated responses within this course, you may be removed from the course.