

Workplace Mathematics 10: Course Outline

Course: WPM 10	Course Length: 10 months
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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:

- 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

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

Assessment of Learning

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

Unit Assignments

There is a unit review assignment in each unit, which the teacher will use to assess the student's understanding and give the student specific feedback on their strengths and how to improve in the course. Completed review assignment must be submitted for grading before you take the unit tests.

Quizzes

Quizzes can be done on your own (not supervised). Use them as practice – ie. give them a try first, then refer to notes if you need a little extra help. Keep track of where you needed help and review prior to your second try and/or unit exam.

You have two attempts on each quiz. You can view your attempt after it has been graded. Each question has feedback and solutions to help you troubleshoot challenging questions.

Make sure you review your quiz results and let your teacher know if there are issues with your attempt. DO NOT complete a second attempt until you have reviewed the feedback from your initial attempt or have asked your teacher to look at any issues with your initial attempts.

Tests

There is a unit test at the end of each unit. All exams are "closed book" and require supervision.

Your invigilator must:

- Be over the age of 18
- Email the teacher for the course testing password. Do not share this password with the student.
- Supervise your test-taking to ensure no additional notes or resources are used while taking the test.

Students only have one attempt at the unit test.

Course Activity

Students must be working to complete learning engagements on a regular basis. Students who are inactive after two weeks will receive an email to their Brightspace email program providing a warning of inactivity. Students who are inactive after 1 month may be withdrawn from the course. If a student is planning to be inactive due to personal reasons, they need to contact their teacher to inform them of the period of inactivity.

Students should aim to complete a minimum of one unit per month to finish the course within a 10-month period.

To finalize your registration in the course, you need to complete the Unit 1 Assignment within 30 days of your registration. You may be removed from the course if this is not completed on time.

Resources

- There is no textbook in this course. All resources are available online.
- Scientific calculator required.

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.

Keys to Success

Throughout the course, students are expected to:

- Contact the teacher by email when help is needed, or questions arise
- Be actively engaged and submitting work on a regular basis
- Inform the teacher when students will be inactive for two or more weeks.
- Be aware that if students are inactive in a course for four or more weeks they may be removed from that course
- Check emails weekly
- Review feedback before taking unit tests