

Year 9/10 Trade Maths

Semester 1 Course Outline

In Year 9/10 Trade Mathematics this semester, students will be studying units on Measurement, Pythagoras' Theorem, Trigonometry, Fractions, Decimals and Percentages, and finishing off with Financial Literacy. The semester 1 assignment will be a real-world mathematics problem-solving investigation. A major focus throughout this semester will be mathematical thinking, communicating and the further development of foundation numeracy skills.

Learning Outcomes

Students will be assessed on the following Learning Outcomes:

- 9.306 Solves problems involving simple interest
- 10.331 Finds unknown values after substitution into formulas
- 8.302 Converts between units of measurement for area and volume
- 8.303 Performs calculations to determine perimeter and area of parallelograms, rhombuses and kites
- 10.323 Solves surface area and volume problems relating to composite solids
- 9.309 Recognises the connections between similarity and the trigonometric ratios
- 10.335 Uses trigonometry to calculate unknown angles in right-angled triangles
- 9.317 Uses Pythagoras' Theorem and trigonometry to find unknown sides of right-angled triangles
- 7.268 Solves problems involving percentages and all four operations with fractions and decimals
- 8.288 Solves everyday problems involving rates, ratios and percentages
- 7.269 Compares the cost of items to make financial decisions

Assessment Tasks

Students will be assessed on their participation and completion of classwork and assessment tasks.

Task	Week Due*
Measurement	Term 1, Week 5
Pythagoras' Theorem	Term 1, Week 7
Trigonometry	Term 1, Week 9
Fractions, Decimals and Percentages	Term 2, Week 4
Financial Literacy	Term 2, Week 7
Trade Maths Assignment	Term 2 Week 9

*Due dates are an estimate only

Teacher: Deanna Shiers

Executive Teacher: Rod Grieve