

Year 10 Maths

Semester 2 Course Outline

In Year 10 Mathematics this semester, students will be studying units on Linear Equations, Simultaneous Equations, Trigonometry, Probability and Algebra. While there are no formal assignments this semester, there may be some in class tasks that will contribute towards achieving outcomes. 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:

- 10.331 - Finds unknown values after substitution into formulas
- 8.302-Converts between units of measurement for area and volume
- 9.316-Calculates areas of shapes and the volume and surface area of right prisms and cylinders
- 10.323-Solves surface area and volume problems relating to composite solids
- 10.333 - Solves simple quadratic equations and pairs of simultaneous equations
- 10.321-Solves problems involving linear equations and inequalities
- 9.317 -Uses Pythagoras' Theorem and trigonometry to find unknown sides of right-angled triangles
- 10.335 - Uses trigonometry to calculate unknown angles in right-angled triangles
- 8.305-Determines the probabilities of complementary events and calculates the sum of probabilities
- 9.318-Calculates relative frequencies to estimate probabilities, lists outcomes for two-step experiments and assigns probabilities for those outcomes

Assessment Tasks

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

Task	Week Due*
Measurement Test	Term 3, Week 3
Equations and Simultaneous Equations Test	Term 3, Week 8
Probability Test	Term 3, Week 10
Trigonometry Test	Term 4, Week 6
Mathspace Tasks	Ongoing

*Due dates are an estimate only

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Executive Teacher: Rod Grieve