

Year 10 Lex@s Maths

Semester 1 Course Outline

In Year 10 Mathematics this semester, students will be studying units on Scientific Notation and Financial Literacy, Statistics, Probability, Trigonometry, Linear Equations, and finishing off with Geometry. The semester 1 assignment will be a Measurement-based 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:

- 10.320 Recognises the connection between simple and compound interest
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- 10.326 Compares data sets by referring to the shapes of the various data displays
- 10.337 Calculates quartiles and inter-quartile ranges
- 10.334 Uses triangle and angle properties to prove congruence and similarity
- 10.336 Lists outcomes for multi-step chance experiments and assigns probabilities for these experiments
- 10.333 Solves simple quadratic equations and pairs of simultaneous equations
- 10A.3510 Recognises the relationship between the unit circle and the trigonometric functions
- 10A.3514 Solves trigonometric equations
- 10A.3515 Uses trigonometry to calculate unknown values in both right-angled and non right-angled triangles
- 10A.3505 Applies problem-solving skills and mathematical techniques to solve problems
- 10A.3507 Communicates using mathematical language and conventions to justify solutions

Assessment Tasks

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

Task	Week Due*
Scientific Notation and Financial Literacy Test	Term 1, Week 3
Statistics Test	Term 1, Week 7
Probability Test	Term 1, Week 9
Semester 1 Assignment	Term 2, Week 2
Trigonometry Test	Term 2, Week 5
Linear Equations Test	Term 2, Week 7
Geometry Test	Term 2, Week 10

*Due dates are an estimate only

Teachers: Rod Grieve, Sam Holmes and Julie White

Executive Teacher: Rod Grieve