

Year 9 LEX@S Maths

Semester 1 Course Outline

In Year 9 Lex@s Mathematics this semester, students will be studying units on Financial Literacy, Linear and Simultaneous Equations, Trigonometry, and finishing off with Linear Graphs and Inequalities. The semester 1 assignment will be a finance-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:

- 9.306 - Solves problems involving simple interest
- 10.331 - Finds unknown values after substitution into formulas
- 10.320 - Recognises the connection between simple and compound interest
- 10.333 - Solves simple quadratic equations and pairs of simultaneous equations
- 10.335 - Uses trigonometry to calculate unknown angles in right-angled triangles
- 9.309 - Recognises the connections between similarity and the trigonometric ratios
- 9.317 - Uses Pythagoras' Theorem and trigonometry to find unknown sides of right-angled triangles
- 9.314 - Finds the distance between two points on the Cartesian plane and the gradient and midpoint of a line segment
- 9.315 - Sketches linear and non-linear relations
- 10.321 - Solves problems involving linear equations and inequalities

Assessment Tasks

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

Task	Week Due*
Financial Literacy	Term 1, Week 6
Linear and Simultaneous Equations	Term 1, Week 9
Semester 1 Assignment	Term 2, Week 2
Trigonometry	Term 2, Week 4
Linear Graphs and Inequalities	Term 2, Week 8

*Due dates are an estimate only

Teachers: Rod Grieve, Sam Holmes and Deanna Shiers

Executive Teacher: Rod Grieve