

Year 10 Lex@s Maths

Semester 2 Course Outline

In Year 10 Mathematics this semester, students will be studying units on Linear Relationships, Quadratic Equations, Polynomials, Non Linear Graphs and Logarithms. The semester 2 assignment is designed to improve students' problem solving skills. 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:

- 10A.3505 - Applies problem-solving skills and mathematical techniques to solve problems
- 10A.3507 - Communicates using mathematical language and conventions to justify solutions
- 10.321 - Solves problems involving linear equations and inequalities
- 10.322 - Makes the connections between algebraic and graphical representations of relations
- 10.323 - Recognises the relationships between parallel and perpendicular lines
- 10A.3511 - Solves both monic and non-monic quadratic equations
- 10A.3509 - Makes the connections between algebraic and graphical representations of polynomials
- 10A.3516 - Applies the factor and remainder theorems to solve problems
- 10A.3506 - Applies the logarithm laws
- 10.324-Recognises the relationships between parallel and perpendicular lines
- 9.315-Sketches linear and non-linear relations
- 10.336-Lists outcomes for multi-step chance experiments and assigns probabilities for these experiments

Assessment Tasks

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

Task	Week Due*
Linear Relationships	Term 2, Week 10 Completed
Parabolas	Term 3, Week 5
Non Linear Graphs	Term 4, Week 8
Logarithms Test	TBA
Polynomials	Term 4, Week 5
Assignment	Term 4 Week 2
Mathspace Tasks	Ongoing

*Due dates are an estimate only

Teachers: Rod Grieve, Sam Holmes and Julie White

Executive Teacher: Rod Grieve