

Stage 1 Mathematics: Semester 1 Overview 2018

Teacher: Kathy Keenan

This program is for a cohort of students intending to continue to Mathematical Methods at Stage 2. This is presented as Semester 1 of a two-semester program.

Term 1	Topic	Assessment
Weeks 1-5	Topic 1: Functions and Graphs <ul style="list-style-type: none"> 1.1 Lines and linear relationships 1.2 Inverse relationships 1.3 Relations 1.4 Functions 	SAT 1 (25%) Functions and Graphs Calculator permitted One side of an A4 page of handwritten notes permitted. 60 minutes
Weeks 6-11	Topic 2: Polynomials <ul style="list-style-type: none"> 2.1 Quadratics 2.2 Cubic and quartic functions 	Investigation (25%) Features of Polynomials Maximum of 8 single-sided A4 pages. Mathematical Investigation report format. SAT 2 (25%) Part 1 – Polynomials no calculator or notes 30 minutes Part 2 - Polynomials Calculator permitted One side of an A4 page of handwritten notes permitted. 40 minutes
Term 2 Weeks 1-5	Topic 3 Trigonometry <ul style="list-style-type: none"> 3.1 Cosine and Sine Rules 3.2 Circular Measure and Radian Measure Trigonometric Functions 	SAT 3 (25%) Trigonometry Calculator permitted One side of an A4 page of handwritten notes permitted. 60 minutes
Week 6&7	Revision for Exam	
Week 8	Exam on Topics from Semester 1 Tuesday 19/6/18	Calculated permitted Double sided A4 page of hand written notes permitted 90 minutes
Week 9&10	Begin Semester 2	