



MATHEMATICS: Curriculum Overview

Year 11

Half Term	Topic studied	What will I learn?	How will I be assessed?
Year 11 Autumn 1	<i>Unit 22 – Probability</i> <i>Unit 23 – Co-ordinate Geometry 2</i>	use tree diagrams to calculate probabilities for independent events. use Venn diagrams to record outcomes. sketch and interpret graphs of reciprocal functions. recognise the shapes of graphs for linear, quadratic, cubic and reciprocal functions and match to their equation.	Test in penultimate week of October HT.
Year 11 Autumn 2	<i>Unit 24 – Sequences</i> <i>Unit 25 – Real Life Graphs</i>	calculate the nth term of a linear sequence. recognise and use Geometric progressions. recognise quadratic sequences using the 2nd difference. use compound units such as speed, rates of pay, pricing, density and pressure. plot and interpret distance time graphs to calculate time, distance or speed. calculate positive and negative gradients of a line using a graph and interpret them as a rate of change.	Mock Exam in Hall in the week before Xmas break. Paper 1 (Non Calc) Paper 2 (Calc)
Year 11 Spring 1	<i>Revision</i> <i>(Additional Maths content for 11ARC)</i>	Focused revision based on mock performance. Work in class and at home will be tailored to individual classes based on performance in mock exams	
Year 11 Spring 2	<i>Revision</i> <i>(Additional Maths content for 11ARC)</i>	Focused revision based on mock performance. Work in class and at home will be tailored to individual classes based on performance in mock exams	Paper 3 Mock exam (March)
Year 11 Summer 1	<i>Revision</i> <i>(Additional Maths content for 11ARC)</i>	Focused revision based on mock performance. Work in class and at home will be tailored to individual classes based on performance in mock exams	