

Year 7 Spring Term 1

Department: Mathematics

Unit of Work: Co-ordinate geometry

Projection Grades 1-3	Projection Grades 4-6	Projection Grades 7-9
<ul style="list-style-type: none"> • Construct and interpret simple line graphs • Create and interpret line graphs where the intermediate values have meaning • Use and interpret coordinates in the first quadrant. 	<ul style="list-style-type: none"> • Use and interpret coordinates in all four quadrants • Construct functions arising from real-life problems and plot their corresponding graphs • Interpret graphs arising from real situations • Select, construct and modify, on paper and using ICT suitable graphical representation to progress an enquiry • Understand and apply Pythagoras' theorem when solving problems. 	<ul style="list-style-type: none"> • Plot the graphs of linear functions, where y is given explicitly in terms of x • Recognise that equations of the form $y = mx + c$ correspond to straight-line graphs • Understand the effect on a graph of addition of (or multiplication by) a constant.