



KS4 Learning Overview

Maths (Foundation Tier)

Exam Board: Edexcel

Year 11		
Term	Topics	Extra learning opportunities
Autumn 1	<ul style="list-style-type: none">Quadratic equations: Expanding & factorisingQuadratic equations: GraphsCircles, cylinders, cones & spheres	Research task: If the circumference of a circle is directly proportional to the diameter, what is the constant of proportionality? Who were the first people to use this constant?
Autumn 2	<ul style="list-style-type: none">Fractions & reciprocalsIndices & standard form	Research task: Find the following distances in metres and report them using standard form: <ul style="list-style-type: none">- Earth to the sun- Earth to Voyager 1- Earth to Proxima Centauri
Spring 1	<ul style="list-style-type: none">Similarity & congruence in 2DVectors	
Spring 2	<ul style="list-style-type: none">Rearranging equations, cubic & reciprocal graphs, simultaneous equations	Research task: What is the meaning of the term 'reciprocal'? How do you find the reciprocal of a given number?
Summer 1	<ul style="list-style-type: none">REVISION	
Summer 2	<ul style="list-style-type: none">REVISION	