

MATHEMATICS Curriculum Overview

2011-2012



Arnold
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YEAR	TOPICS
7	<ol style="list-style-type: none">1. Number (including directed numbers and decimal places)2. Elementary algebra (including formulae and simple equations)3. Simple geometry (including angle properties and parallel lines)4. Introduction to probability
8	<ol style="list-style-type: none">1. Number (including standard form, significant figures and percentages)2. Algebra (including simple simultaneous equations and straight line graphs)3. Shape and space (including Pythagoras' theorem and transformations)4. More probability
9	<ol style="list-style-type: none">1. Number (including more complex percentage problems)2. Algebra (including factorisation and quadratic equations)3. Shape and space (including similar figures and trigonometry)

	4. Data handling (including the mean of frequency distributions and cumulative frequency)
10	<ol style="list-style-type: none"> 1. Number (including sequences and proportion) 2. Algebra (including algebraic fractions and quadratic graphs) 3. Shape and space (including surface area and volume of prisms, cones and spheres) 4. Data handling (including histograms and spread)
11	<ol style="list-style-type: none"> 1. Number (including surds and irrational numbers) 2. Algebra (including functions, set theory and calculus) 3. Shape and space (including the sine & cosine rules and vectors) 4. Data handling

PLEASE NOTE: This overview sets out a general summary of the basic curriculum taught. It is not an exhaustive list of what may be taught and subject teachers may not necessarily follow the order stated above. Further details may be obtained from the Head of Department, if required.

Students following the foundation tier will cover only those topics relevant to the lower level.