



Subject: Maths

Head of Subject: Mr N Hobbs

Year: Seven

**Organisation of the Subject**

Maths is taught in mixed form groups of 28. The students have 3 lessons per week, each of one hour.

Key Concepts (The big ideas underpinning the subject)	Key 'Learning Capacities' in this subject
<ul style="list-style-type: none"> <li>• Attain a sound understanding and use of algebraic concepts and uses</li> <li>• Develop key numerical skills and confidence with numbers</li> <li>• Ability to identify and use Mathematics in the 'outside world'</li> <li>• Develop concepts of shape and space</li> <li>• Gain an appreciation for the wide spread use of probability, statistics and data handling with an ability to analyse and discuss findings from a collection of data</li> <li>• Develop reasoning, logic and application</li> </ul>	<ul style="list-style-type: none"> <li>• Work independently to reinforce understanding and ability</li> <li>• Seek assistance whenever required from their teacher</li> <li>• Perseverance – especially if the work becomes challenging</li> <li>• Awareness of the use of techniques learnt from previous years</li> <li>• Work with others in the class (when appropriate) and gain mutual knowledge and insight</li> </ul>
What will your daughter be learning?	How will your daughter be learning?
<ul style="list-style-type: none"> <li>• Number and Ratio - reinforcement of current knowledge as well as extending knowledge of decimals, fractions and percentages</li> <li>• Algebra - introducing basic concepts and ideas; solving simple linear equations</li> <li>• Geometry and Measures - areas of various shapes and their composites</li> <li>• Statistics and Probability - reinforce current understanding, stem leaf diagrams and an introduction on how to compare sets of data</li> <li>• Functional Maths - addressed at various stages of the curriculum</li> </ul>	<ul style="list-style-type: none"> <li>• Develop ability to think and reason for herself</li> <li>• Experimentation of solving unfamiliar problems using current knowledge</li> <li>• Pair or small group work</li> <li>• Practice of concepts and ideas</li> <li>• Revision for tests and exams as well as consolidation, when appropriate</li> <li>• Individual discussion with the class teacher</li> </ul>
How will learning be assessed?	What can you do to support your daughter?
<p>Major tests held on two or three occasions during the academic year End of year exam Monitoring and marking of homework Online assessments Classroom observation and interaction between teacher - pupil on a one-to-one basis</p>	<p>Encouragement to discuss matters with their teacher Seek additional help or practice if needed Request assistance from a sixth form A-level student or a KS4 student under the Mathaid scheme Request additional practice/PowerPoints from online resources</p>
Equipment needed for this subject	Extra-Curricular / Enrichment Opportunities
<p>Pens, pencils, measuring equipment, calculator, textbook and exercise book required <b>every</b> lesson.</p>	<p>Entrance into the UK Junior Maths Challenge Additional help under the 'Mathaid' mentoring scheme Enrichment material provided by the teacher at appropriate times</p>

If you have any questions about this Learning Overview, please contact your daughter's subject teacher in the first instance.