



## ST. OLAVE'S STAGE 2 MATHEMATICS TEST FOR YEAR 7 ENTRY SYLLABUS

The Mathematics Test Paper will consist of questions of generally increasing difficulty.  
The paper will last 1 hour.

The basis of the syllabus will be the concepts within the National Curriculum, including Level 4 standard.  
However, the problems set will often involve manipulation and application of these concepts in what may be unfamiliar and more challenging situations.

Such questions seek to test candidates' problem-solving abilities.

### Entrance Test Topic Details include:

	Topics
Number	<ul style="list-style-type: none"><li>* Addition and subtraction of whole numbers and decimals.</li><li>* Multiplication and division of whole numbers and decimals by whole numbers.</li><li>* Calculations involving money, time, metric length and mass.</li><li>* Fractions and percentage calculations.</li></ul>
Algebra	<ul style="list-style-type: none"><li>* Types of number: primes, factors, multiples, squares.</li><li>* Numerical patterns and sequences.</li><li>* Algebra including formulae in words and finding unknown values by logical deduction.</li><li>* Co-ordinates.</li></ul>
Shape, Space And Measure	<ul style="list-style-type: none"><li>* Use of 2-D nets to make 3-D objects, e.g. cube.</li><li>* Congruence, line and rotational symmetry.</li><li>* Reading scales and selection of appropriate units.</li><li>* Perimeter and area.</li><li>* Volumes.</li></ul>
Handling Data	<ul style="list-style-type: none"><li>* Construct and use simple frequency tables for discrete data.</li><li>* Represent and understand data represented using frequency diagrams and line graphs.</li><li>* Mode and median of discrete data.</li><li>* Simple concepts of probability.</li></ul>