

Subject: <b>MATHEMATICS</b>		Year Group: <b>8</b>
<b>Term 1 Topics</b> 2D Shapes & 3D Solids Transformations	<b>Term 2 Topics</b> Construction & Loci Probability Scale Drawings & Measure	<b>Term 3 Topics</b> Graphs Powers & Roots
<b>Term 1 Assessment Opportunities:</b>  <ul style="list-style-type: none"> <li>• End of Topic Tests</li> <li>• Textbook Exercises</li> <li>• My Maths online tasks</li> <li>• Teacher’s own questioning, worksheets and starters</li> </ul>	<b>Term 2 Assessment Opportunities:</b>  <ul style="list-style-type: none"> <li>• End of Topic Tests</li> <li>• Textbook Exercises</li> <li>• My Maths online tasks</li> <li>• Teacher’s own questioning, worksheets and starters</li> </ul>	<b>Term 3 Assessment Opportunities:</b>  <ul style="list-style-type: none"> <li>• End of Topic Tests</li> <li>• Textbook Exercises</li> <li>• My Maths online tasks</li> <li>• Teacher’s own questioning, worksheets and starters</li> </ul>
<b>Term 4 Key Topics</b> Quadratics Inequalities, Equations & Formulae	<b>Term 5 Topics</b> Collecting & Analysing Data	<b>Term 6 Key Topics</b> Non-linear Graphs Accuracy & Measure
<b>Term 4 Assessment Opportunities:</b>  <ul style="list-style-type: none"> <li>• End of Topic Tests</li> <li>• Textbook Exercises</li> <li>• My Maths online tasks</li> <li>• Teacher’s own questioning, worksheets and starters</li> </ul>	<b>Term 5 Assessment Opportunities:</b>  <ul style="list-style-type: none"> <li>• End of Topic Test</li> <li>• Textbook Exercises</li> <li>• My Maths online tasks</li> <li>• Teacher’s own questioning, worksheets and starters</li> </ul>	<b>Term 6 Assessment Opportunities:</b>  <ul style="list-style-type: none"> <li>• End of Topic Tests</li> <li>• Textbook Exercises</li> <li>• My Maths online tasks</li> <li>• Teacher’s own questioning, worksheets and starters</li> </ul> <p><b>Year 8 Examination in this term.</b></p>

**Rationale:**

To develop a broad approach to the six Strands of KS3 Mathematics in wide ability classes. This progresses from the learning of essential skills to the application of those skills in wider ranging situations. The aim is to give pupils the necessary tools to approach mathematical questioning with confidence. It is hoped that in later stages of the curriculum they will see problems in mathematics as learning experiences in their own right. This attitude will develop across KS3 into KS4 and beyond; developing an enquiring approach outside the classroom and the ability to question information and data for themselves.

**Evaluation:**

In class, assessment of pupil progress will be measured through a process of questioning and feedback, both written and verbal. Feedback to pupils will include self, peer and teacher led activities. Homework will be marked through the same processes but with the addition of online feedback in the case of My Maths tasks. End of topic assessments will be marked by the teacher and feedback given as part of classroom activity. All test scores will be recorded on the shared spreadsheet in GoogleDocs. The class teacher will include comments on the front of each test for WWW and EBI with opportunity for pupils to add MRI.

Department time will be used for class teachers to feedback on issues and successes within the Scheme of Work. It is anticipated that this will create a forum for teachers to report on each class and their response to the work, the timing of topics within the scheme and the sharing of resources and good practice. Work will continue on building additional teaching resources into a shared bank of material on the school VLE (Moodle).