



THE PRIORY ACADEMY

**LSST**

# Mathematics Curriculum Map

Year 7	Year 8	
<p>Sequences Algebraic expressions Solving problems with addition, subtraction, multiplication and division Analysing data sets Fractions, decimals and percentages Developing geometric reasoning Area and perimeter Solving simple equations Using simple ratio</p>	<p>Factors and powers Working with powers 2D shapes and 3D solids Real life graphs Transformations Fractions, decimals and percentages Constructions and loci Probability Scale drawings and measures Graphs</p>	
Year 9	Year 10	Year 11
<p>Number Algebra Interpreting and representing data Fractions, ratio and percentages Angles and trigonometry Graphs Area and volume Transformations and constructions</p>	<p>Equations and inequalities Probability Multiplicative reasoning Similarity and congruence More trigonometry Further statistics Equations and graphs Circle theorems More algebra Financial maths</p>	<p>Vectors and geometric proof Proportion and graphs</p>

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# Mathematics Assessment

## Guidance

### Formative Assessment

Assessment takes place in every maths lesson. Starter activities are used to assess previous learning or to identify misconceptions and teacher observation and questioning are used to assess current learning. In KS3 Flashback 4 starter activities are used to consolidate prior learning and identify specific weaknesses. At the end of each unit of work we also use unit tests, which allow us to strengthen weak areas and extend areas of good practice. At KS4 Corbett maths 5 a day is used to start many lessons to help students get used to exam terminology and questions. In Year 11, practice examination papers are used to identify areas of weakness, and personalised PinPoint Learning booklets are then used to target and overcome these weaknesses.

### Summative Assessment

A numeracy assessment is completed by all Year 7 students at the beginning of the year, which is used to provide immediate intervention to those who require support with basic numeracy strategies. Summative assessments are given to Year 7 –10 twice per year to assess current knowledge and gaps in prior learning. In Year 11, students will have two mock examinations, one in November and one in March, to determine the correct tier of entry for each student. In Sixth form, topic assessments are used at the end of each topic in order to assess learning, and mock examinations covering all material learned to date take place in both Year 12 and Year 13.