BISAK

# Year 7 Mathematics

V1 2026

| | Term 1 | | Term 2 | | Term 3 | |
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| **Overview** | **Term 1a**<br>*Number, Algebra, Geometry.*<br>Pupils will learn topics including timetables, negatives, sequences, area, perimeter and volume. | **Term 1b**<br>*Number and Statistics.*<br>Pupils will learn topics including operations with decimals, arithmetic operations, measures, averages and range, data collection, graphs and charts. | **Term 2a**<br>*Algebra, Number, Geometry.*<br>Pupils will learn introduction to algebra, operations with fractions, angles, properties of shapes. | **Term 2b**<br>*Algebra, Number, Statistics.*<br>Pupils will learn equations of graphs, percentages, probability. | **Term 3a**<br>*Geometry, Algebra, Statistics.*<br>Pupils will learn symmetry, solving equations, collecting representing, and summarising data. | **Term 3b**<br>*Geometry, Number.*<br>Pupils will learn 3D shapes, ratio. Pupils will also complete projects, investigations and STEM activities. |
| **Key Skills** | Directed numbers/factors, generating and extending sequences, and calculating perimeter, area, and volume of geometric shapes. | Simplifying and solving algebraic expressions, calculating fractions, decimals, and analysing geometric transformations. Evaluating powers and roots. | Extracting and displaying statistical data. Manipulating, forming expressions and formulae algebraically. | Calculating probabilities, finding coordinates and graphing linear functions. Calculating fractions, decimals, and percentages, | Calculating, performing constructions. Processing complex data handling and sampling. | Exploring real-world proportional reasoning and compound measures. Constructing accurate scale drawings. |
| **Assessment Focus** | Topic assessment on the topics above. | Topic assessment on the topics above.<br>End of term assessment on topics from the whole term. | Topic assessment on the topics above. | Topic assessment on the topics above.<br>End of term assessment on topics from the whole term. | Topic assessment on the topics above. | Topic assessment on the topics above.<br>End of term assessment on topics from the whole year. |
| **Recommended resources** | Pupils can use their textbooks to practise questions for **chapter tests** and **topic revision.** Furthermore, pupils can watch videos and practise questions using Mathsgenie.<br>Regular practise is recommended. For end of term assessments and holistic mathematics practise, the following links provide practice papers:<br>Sets 1 & 2: emaths level 4-6 non-calculator papers.<br>Sets 3, 4 & 5: emaths level 3-5 non-calculator papers.<br>Pupils can practice more challenging papers if they are confident. | | | | | |

**Assessment format:** All pupils will take a summative written assessment every half term and end of term assessments. Basic skills checks are carried out as part of regular formative assessment. Pupils will also benefit from peer and self-assessment in lessons in line with Bronze, Silver and Gold success criteria.