



MATHS Y8 CURRICULUM AND ASSESSMENT MILESTONES DOCUMENT

YEAR 8 CURRICULUM MILESTONES: MATHS

Autumn 1: Ratio and Scale	Look at the meaning of ratio and models to represent ratios. Simplify and share quantities in a ratio
Autumn 2: Multiplicative Change	Work with the link between ratio and scaling, including direct proportion, graphs and contexts such as currency conversion
Autumn 3: Multiplying and Dividing Fractions	Learn about multiplying and dividing by both integers and fractions
Autumn 4: Working in the Cartesian Plane	Look formally at algebraic rules for straight lines
Autumn 5: Representing Data	Introduction to bivariate data and the idea of linear correlation
Autumn 6: Tables and Probability	Look at sample spaces and use tables to represent these.
Spring 1: Brackets, Equations and Inequalities	Explore expanding over a single bracket and factorising by taking out common factors
Spring 2: Sequences	Look at sequences with algebraic rules
Spring 3: Indices	Simplify expressions involving indices
Spring 4: Fractions and Percentages	Focus on the relationship between fractions and percentages including decimal equivalents and working out percentage increase.
Spring 5: Standard Index Form	Introduce the concept of standard index form
Spring 6: Number Sense	Revisit and build upon basic number skills including estimation, conversion of metric units for length, area and volume and error notation
Summer 1: Angles in Parallel Lines and Polygons	Explore angles in parallel lines and solve more complex angle problems
Summer 2: Area of Trapezia and Circles	Learn and choose the correct formula to find the area of various shapes, including compound shapes
Summer 3: Line Symmetry and Reflection	Explore line symmetry and reflection, looking at shapes and lines in different orientations
Summer 4: The Data Handling Cycle	Use charts to compare distributions and understand where graphs can be misleading
Summer 5: Measures of Location	Look at when and why each average should be used.

YEAR 8 ASSESSMENT MILESTONES: MATHS

Autumn 1: Ratio and Scale	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Autumn 2: Multiplicative Change	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Autumn 3: Multiplying and Dividing Fractions	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Autumn 4: Working in the Cartesian Plane	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Autumn 5: Representing Data	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Autumn 6: Tables and Probability	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Spring 1: Brackets, Equations and Inequalities	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Spring 2: Sequences	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Assessment: Mid-Year Written test on topics learnt so far in Year 8	Pupils will be given a breakdown of their strengths and weaknesses from the assessment. These topics will make up future revision lessons.
Spring 3: Indices	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Spring 4: Fractions and Percentages	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Spring 5: Standard Index Form	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Spring 6: Number Sense	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Summer 1: Angles in Parallel Lines and Polygons	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Summer 2: Area of Trapezia and Circles	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Summer 3: Line Symmetry and Reflection	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Summer 4: The Data Handling Cycle	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Summer 5: Measures of Location	20 minute end of block mini assessment of topics learnt within this unit. Scores to inform future homework topics and learning within consolidation weeks.
Assessment: End of Year written test on topics learnt in Year 8	Pupil tests will be marked by teachers and answers modelled for pupils to self-assess. Scores, alongside other assessments and teacher assessment, will be used to determine maths sets for Year 9