

National curriculum or specification coverage

The curriculum for Year 8 will consolidate essential knowledge from Year 7 while introducing new concepts and making stronger connections between different areas of mathematics. It will provide pupils with the foundations required for successful progression into Year 9 and, ultimately, GCSE mathematics.

Curriculum Principles : The scheme will be designed around the following principles:

- **Build on prior learning:** Begin each unit from the knowledge pupils should already have acquired, while identifying and addressing gaps and misconceptions.
- **Develop depth:** Move beyond procedural competence to develop pupils' conceptual understanding and ability to explain and justify mathematical ideas.
- **Increase abstraction:** Gradually move pupils from concrete and familiar representations towards more abstract mathematical thinking and notation.
- **Make connections:** Explicitly identify links between number, algebra, geometry, ratio, statistics and probability so pupils develop a connected understanding of mathematics.
- **Fluency, reasoning and problem solving:** Continue to develop all three areas throughout the curriculum, with pupils increasingly expected to select and apply appropriate methods independently.
- **Develop mathematical language:** Increase pupils' use and understanding of precise mathematical vocabulary and notation.
- **Retrieve and interleave:** Regularly revisit previously taught knowledge and skills to strengthen retention and support pupils in making connections between topics.

Content

- Number and the number system
- Fractions, decimals and percentages
- Ratio and proportion
- Algebraic manipulation
- Equations and inequalities
- Sequences and functions
- Coordinates and linear relationships
- Angles and geometric reasoning
- Area, perimeter, volume and measures
- Transformations and constructions
- Probability
- Statistics and representation of data

Year 8 Long Term Scheme of Learning 2026-2027

Subject: Mathematics

Date	Exams/ Assessments	Learning Intentions	Core Task/Assessments
31/08/26		Back to school – Get to know teachers – Recap previous content	Assessment that explores knowledge between PPE assessments.
07/09/26		Product of prime factors – HCF/LCM	
14/09/26		Ratio notation	
21/09/26		Ratio application	Fortnightly fact/formulae check.
28/09/26		Expanding brackets	
05/10/26	Assessment	Assessment/Revision	Exit tickets as per necessary.
12/10/26		Factorising	
19/10/26	Feedback	Fractions – Multiplication and Division	
26/10/26	HALF TERM		
02/11/26		Proportion	A one page mini assessment will take place that tests key mathematical skills and knowledge of definitions.
09/11/26		Averages	
16/11/26		Averages from tables	
23/11/26		Shapes – Area & Perimeter recap	Fortnightly fact/formulae check.
30/11/26		Area of compound shapes	
07/12/26	Key skill/ Definitions check	Circles	Exit tickets as per necessary.
14/12/26		Cylinders and nets	
21/12/26	CHRISTMAS HOLIDAY		
28/12/26			
04/01/27		Solving equations	PPE assessment with progress indicator reported home.
11/01/27	Y8	Revision, assessment and prep	
18/01/27	Y8	Forming and solving equations	Fortnightly fact/formulae check.
25/01/27		Angles	
01/02/27	Feedback	Feedback and DIRT	Exit tickets as per necessary.
08/02/27		Angles in parallel lines	
15/02/27	HALF TERM		
22/02/27		Straight line graphs	
01/03/27		Straight line graphs	

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08/03/27	Assessment	Assessment prep and revision	Assessment that explores knowledge between PPE assessments. Fortnightly fact/formulae check. Exit tickets as per necessary.
15/03/27		Multiply and Divide decimals	
22/03/27		Percentages	
29/03/27	SPRING BREAK		
05/04/27			
12/04/27		Indices	A one page mini assessment will take place that tests key mathematical skills and knowledge of definitions. Fortnightly fact/formulae check. Exit tickets as per necessary.
19/04/27		Standard form	
26/04/27		Transformations	
03/05/27	Key skill/ Definitions check	Transformations	Exit tickets as per necessary.
10/05/27		Transformations	
17/05/27		Charts and diagrams	
24/05/27		Charts and diagrams	
31/05/27	HALF TERM		
07/06/27	Y8	Assessment prep and revision	PPE assessment with progress indicator reported home.
14/06/27	Y8	DIRT – Improvement and recap of skills	
21/06/27	Feedback	Angles in polygons	Fortnightly fact/formulae check.
28/06/27		Angles in polygons	
05/07/27		Pythagoras' theorem	Exit tickets as per necessary.
12/07/27		Reserved for end of school year activities	