[OAT]
AN OAT ACADEMY

Subject: MATHEMATICS	**Year 8 Curriculum Map 2025 - 26**

Week Commencing	Topic (including links to additional resources)	Assessment Window
Staff INSET 01/09 Students Return 02/09 08/09/2025 15/09/2025 22/09/2025	**Number 7 – Fractions** • Representations of fractions • Number lines and bar models • Mixed numbers • Improper fractions • Equivalent fractions • Simplifying fractions • Fractions with decimals *(Most able only)* • Ordering fractions • Adding and subtracting fractions • Adding and subtracting mixed numbers *(Most able only)* • Fractions of amounts • One number as a fraction of another • Reverse fractions • Multiplying fractions by integers • Multiplying fractions by fractions • Multiplying mixed numbers (Most able only) • Dividing fractions and integers • Dividing fractions by fractions • Dividing mixed numbers *(Most able only)* • Enriching fractions *(Most able enrichment)* *Sparx codes:* *M158, M601, M410, M671, M335, M835, M931, M157, M939, M157, M197, M216, M110, M265*	2 Learning Checkpoints
29/09/2025 06/10/2025 13/10/2025	**Number 8 –Percentages, fractions and decimals** • Decimals into fractions • Fractions into decimals • FDP conversions • Percentage equivalences • Writing FDP • Percentages of amounts • Decimal multipliers • Proportional percentages • Percentage increase and decrease *Sparx codes:* *M958, M264, M701, M235, M437, M905, M533*	2 Learning Checkpoints
20/10/2025	**Assessment Round 1**	AR1

Eco-Schools   FAIR ACTIVE SCHOOL   Healthy School   DofE   QUALITY IN CAREERS STANDARD   Young Engineers   ssat the schools, students and teachers network   The OAKS   allsorts LGBT+ Allyship Programme

October Half Term		
03/11/2025	**Assessment Round 1**	AR1
10/11/2025 17/11/2025 24/11/2025	<u>**Number 9 –Estimation and use of a calculator**</u> • Basic calculator skills • Complex calculator skills • Converting time • Timetables • Approximation • Approximating squares and roots *(most able only)* • Error intervals • Estimation • Related calculations • Truncation *(most able only)* ***Sparx codes:*** *M757, M515, M627, M730, M878*	1 Learning Checkpoint
01/12/2025 08/12/2025 15/12/2025	<u>**Algebra 2 – Manipulation and simplifying expressions 1**</u> • Simplifying expressions • Multiplying expressions • Index laws (multiplication) • Dividing expressions • Index laws (division) • Index laws (brackets) • Index laws review • Squared expressions *(most able only)* • Writing expressions • Writing expressions from geometry ***Sparx codes:*** *M531, M795, M120, M949*	1 Learning Checkpoint
Christmas Break		
05/01/2026 12/01/2026 19/01/2026	<u>**Algebra 3 – Manipulation and simplifying expressions 2**</u> • The distributive law • Expanding brackets • Expanding with mixed variables • Expanding and collecting • Division with distribution • Factorising into single brackets • Expanding double brackets ***Sparx codes:*** *M237, M792, M100, M960*	1 Learning Checkpoint
26/01/2026	**Assessment Round 2**	AR2
02/02/2026	**Assessment Round 2**	AR2
09/02/2026	<u>**Algebra 4 – Linear equations**</u> • Equality • One-step equations with addition and subtraction • One-step equations with multiplication and division • Two-step equations • Equations with unknowns on both sides	1 Learning Checkpoint

	• Equations with brackets • Equations with fractions and decimals *(most able only)* Forming and solving equations *Sparx codes:* *M707, M634, M647, M855, M554, M902, M509, M957*	
February Half Term		
23/02/2026	**<u>Algebra 4 – Linear equations</u>** • Equality • One-step equations with addition and subtraction • One-step equations with multiplication and division • Two-step equations • Equations with unknowns on both sides • Equations with brackets • Equations with fractions and decimals *(most able only)* Forming and solving equations *Sparx codes:* *M707, M634, M647, M855, M554, M902, M509, M957*	1 Learning Checkpoint
02/03/2026 09/03/2026 16/03/2026	**<u>Geometry and measure 2 – Polygons and angles</u>** • Recap - Missing angles • Vertically opposite angles • Angles in a triangle • Angles in a quadrilateral • Special quadrilaterals • Symmetry • Using properties of quadrilaterals *(most able only)* • Polygons • Interior angles in polygons • Parallel lines • Angles and algebra *(most able only)* • The compass • Bearings *Sparx codes:* *M818, M163, M351, M679, M523, M276, M653, M606, M260*	2 Learning Checkpoints
23/03/2026	**<u>Number 10 –Proportional reasoning</u>** • Direct proportion • Inverse proportion • Value for money • Exchange rates • Recipes • Similarity and congruency • Congruent transformations • Enlargement • Decimal multipliers • Percentage increase and decrease • Percentage change *Sparx codes:* *M478, M681, M377, M324, M124, M139, M290, M910, M178, M533*	2 Learning Checkpoints
Easter Break		
13/04/2026	**<u>Number 10 –Proportional reasoning</u>** • Direct proportion	2 Learning Checkpoints

20/04/2026	- Inverse proportion - Value for money - Exchange rates - Recipes - Similarity and congruency - Congruent transformations - Enlargement - Decimal multipliers - Percentage increase and decrease - Percentage change ***Sparx codes:*** *M478, M681, M377, M324, M124, M139, M290, M910, M178, M533*	
27/04/2026 04/05/2026 11/05/2026	**Number 11 –Ratio** - Writing ratio - Simplifying ratio - Equivalent ratios - Ratios in 1 : n - Maps, models and scales - Ratio and fractions - Finding ratios - Sharing into ratios - Ratios and differences - The Golden Ratio *(most able enrichment)* ***Sparx codes:*** *M885, M543, M112, M267, M525*	1 Learning Checkpoint
18/05/2026	**Geometry and measure 3 – Area** - Area of rectilinear shapes - Units - Area of parallelograms - Area of triangles - Area of a trapezium - Using triangle area - Mixed area and perimeter - Geometric problems with equations *(most able only)* - Area of a circle ***Sparx codes:*** *M920, M390, M900, M610, M705, M996, M269, M690, M169, M231*	1 Learning Checkpoint
May Half Term		
01/06/2026 08/06/2026	**Geometry and measure 3 – Area** - Area of rectilinear shapes - Units - Area of parallelograms - Area of triangles - Area of a trapezium - Using triangle area - Mixed area and perimeter - Geometric problems with equations *(most able only)* - Area of a circle ***Sparx codes:*** *M920, M390, M900, M610, M705, M996, M269, M690, M169, M231*	1 Learning Checkpoint
15/06/2026	**Assessment Round 3**	AR3

22/06/2026	**Assessment Round 3**	**AR3**
29/06/2026	**Assessment Round 3**	**AR3**
06/07/2026 13/07/2026 20/07/2026	**Algebra 5 - Formulae** • Substitution • Using formulae • Sequences and shapes • Forming and solving equations • Changing the subject • Kinematics *(most able only)* *Sparx codes:* *M417, M327, M979, M208, M983, M242*	1 Learning Checkpoint