

Week commencing	04/09/2023	11/09/2023	18/09/2023	25/09/2023	02/10/2023	09/10/2023	16/10/2023	23/10/2023
Week commencing	1	2	3	4	5	6	7	8
Topic overview		Stem & leaf	Pie charts	Venn diagrams	Direct and inverse proportion	Constructions, loci, plans & elevations	Catch-up, repair, revise, assess.	MOCKS
Skill specific	Teachers choice. Pick a lesson/topic/skill you most like to teach in order to build relationships with your class. Aim for accessible skills which will deliver success to students. Frequency trees, 2-way tables, Venn diagrams is a good example.	- Draw and interpret stem & leaf diagrams. - Mean, median, mode, range. - Probability.	- Draw and interpret a pie chart (use ratio diagram; degrees : data)	- Venn diagrams and probability. - Intersect, union, and complement (not) notation.	- Direct proportion ($a = kb$). - Inverse proportion ($a = k/b$). - Roots and powers, worded and contextual questions.	- Draw the front elevation, side elevation or plan of a 3D shape. - Construct the perpendicular bisector of a line. - Construct the bisector of an angle. - Construct a triangle given 2 angles and a side (ASA).		MOCKS 1 x full GCSE paper (calculator) 1 x full GCSE paper (calculator)
Assessment	Knowledge check	Knowledge check	Knowledge check	Knowledge check	Knowledge check	Knowledge check		Knowledge check
Home learning	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)		Guided Kcheck (30mins) SPARX (60mins)

OCT HALF TERM

Week commencing	06/11/2023	13/11/2023	20/11/2023	27/11/2023	04/12/2023	11/12/2023	18/12/2023	
Week commencing	9	10	11	12	13	14	15	
Topic overview	Transformations		More algebra		Congruence, similarity and vectors			
Skill specific	- Translation: on a coordinate grid; use a column vector to describe a translation. - Reflection: draw a reflection in a mirror line; draw reflections on a coordinate grid; describe reflections on a coordinate grid. - Rotation: rotate on a coordinate grid; describe a rotation. - Enlargement: enlarge by a scale factor; enlarge with a centre of enlargement. - Describing enlargements: identify scale factor; find the centre of enlargement; describe fully. - Combining transformations: transform using more than one transformation; describe combined transformations on a grid.		- Graphs of cubic and reciprocal functions: draw and interpret graphs of cubic functions; draw and interpret graphs of $y=1/x$. - Non-linear graphs: draw and interpret non-linear graphs to solve problems. - Solving simultaneous equations graphically: solve simultaneous equations by drawing a graph; write and solve simultaneous equations. - Rearranging formulae: changing the subject of a formula. - Proof: identify expressions, equations, formulae and identities; prove results using algebra.		- Similarity and enlargement: understand similarity; use similarity to solve angle problems. - More similarity: find the scale factor of an enlargement; use similarity to solve problems. - Using similarity: understand the similarity of regular polygons; calculate perimeter of regular shapes. - Congruence 1: recognise congruent shapes; use congruence to work out unknown angles. - Congruence 2: use congruence to work out unknown sides.			Use remaining time to target high value topics you have identified as requiring strengthening. At least one lesson per week should be given over to exam practise (use past papers, aiming for, topic papers, etc.). Topics SUGGESTED high value topics starting with those covered the longest time ago.
Assessment	Knowledge check	Knowledge check	Knowledge check	Knowledge check	Knowledge check		Knowledge check	
Home learning	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)		Guided Kcheck (30mins) SPARX (60mins)	

CHRISTMAS HOLIDAYS

Week commencing	08/01/2023	15/01/2023	22/01/2023	29/01/2023	05/02/2023
Week commencing	16	17	18	19	20
Topic overview	Angle geometry	Area and perimeter	Circle geometry	Catch-up, repair, revise, assess.	
Skill specific	- Straight line, point, triangles, parallel lines, polygons. - USE OF ALGEBRA.	- Rectilinear, triangle, compound shapes. - Parallelogram, trapezium. - USE OF ALGEBRA. - Working backwards (i.e. given area, find dimensions). Form and solve equations.	- Circumference, area. - Compound shapes involving circles. - USE OF ALGEBRA. Working backwards.	MOCKS 1 x full GCSE paper (non-calculator) 1 x full GCSE paper (calculator)	
Assessment	Knowledge check	Knowledge check	Knowledge check	Knowledge check	
Home learning	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	

FEB HALF TERM

Week commencing	14/01/1900	21/01/1900	27/01/1900	03/02/1900	10/02/1900
Week commencing	21	22	23	24	25
Topic overview	Straight line graphs		Mode, median, mean, range		HIGH VALUE TOPICS
Skill specific	- Tables of values (substitution) and plotting (inc. quadratic). - Vertical and horizontal lines. - $y=mx+c$; gradient and y-intercept, finding gradient from coordinates, finding equation from coordinates. - parallel line gradients.		- Averages and range from a list (and simple graphical data). - Reverse problems; substitute and solve (mean, sum, count). - Averages and range from a frequency table. - Compare data using mean and range. - Mode, median and range from stem & leaf diagram. - Mean, modal class and group containing median from grouped frequency table.		- Ratio, proportion. - Percentages. - Fractions. - Probability.
Assessment	Knowledge check	Knowledge check	Knowledge check	Knowledge check	Knowledge check
Home learning	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)

EASTER HOLIDAYS

Week commencing	08/04/2024	15/04/2024	22/04/2024	29/04/2024	06/05/2024	13/05/2024	20/05/2024
Week commencing	26	27	28	29	30	31	32
Topic overview	HIGH VALUE TOPICS						
Skill specific	- Ratio, proportion. - Percentages. - Fractions. - Probability.	Catch-up, repair, revise, assess.					
Assessment		Knowledge check/Past paper	Knowledge check	Knowledge check/Past paper	Knowledge check	Knowledge check/Past paper	
Home learning		Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	Guided Kcheck (30mins) SPARX (60mins)	

MAY HALF TERM

Week commencing	03/06/2024	10/06/2024	17/06/2024	24/06/2024	01/07/2024	08/07/2024	15/07/2024
Week commencing							
Topic overview							
Skill specific							
Assessment							
Home learning							