	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		Fractions		volume 01		circles, spheres, etc.	Catch-up, repair, revise, assess.	Angles
Skill specific	Teachers choice. Pick a lesson/topic/skill you nost 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.	Fractions and mixed numbers. Fractions of amounts (inc. reverse). Fraction calculations (add/subtract/multiply/divide). Recurring decimal to fraction.	Prior knowledge check. Perimeter and area of compound shale Area of a trapezium and parallelogran Convert area units (e.g. m2 to cm2). Convert volume units (e.g. m3 to cm3 Surface area and volume of prisms.	n (find area, find dimensions, etc.).	- Calculate circumference. Decimal and - Calculate radius/diameter given circum-Calculate rad. Decimal and in terms (- Calculate radius/diameter given area Semicircle and sector perimeter (arc I - Mixed area and perimeter questions Volume and S.A. of sphere, pyramid, - Volume and S.A. of compound shapes.	mference. of pi. ength) and area.	Assessment week. 1 x non-calculator paper (50 mins) 1 x calculator paper (50 mins) Mix of all skills taught to date.	Prior knowledge check. Line, point, triange, special triangles, parallel lines. Algebra focus; form and solve equations. Angles in polygons; interior, exterior, sum.
Assessment	Knowledge check Guided Kcheck (30mins)	Knowledge check Guided Kcheck (30mins)	Knowledge check Guided Kcheck (30mins)	Knowledge check Guided Kcheck (30mins)	Knowledge check Guided Kcheck (30mins)	Knowledge check Guided Kcheck (30mins)		Knowledge check Guided Kcheck (30mins)
Home learning	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)		SPARX (60mins)
				OCT HALF TERM				
Week commencing	06/11/2023 9	13/11/2023 10	20/11/2023 11	27/11/2023 12	04/12/2023 13	11/12/2023 14	18/12/2023 15	Ī
Topic overview	Angles		d Trigonometry		igonomentry	Catch-up, repair, revise, assess.	3D trigonometry and Pythagoras	
Skill specific	Prior knowledge check Line, point, triange, special triangles, parallel lines Algebra focus; form and solve equations Angles in polygons; interior, exterior, sum.	- Kcheck basics f - SOH CAH TOA; find - Angles of elevati	is in context. for starting point. I lengths, find angles. on and depression. DA in context.	- Cosi - Sine rul - Co - Exact trig values; 0 / 3	e rule. ne rule. e for area. ntext. 0 / 45 / 60 / 90 degrees.	Assessment week. 1 x non-calculator paper (50 mins) 1 x calculator paper (50 mins) Mix of all skills taught to date.	-3D Pythagoras and trigonometry.	
Assessment	Knowledge check Guided Kcheck (30mins)	-	-	-	owledge check I Kcheck (30mins)		Knowledge check Guided Kcheck (30mins)	
Home learning	SPARX (60mins)				ARX (60mins)		SPARX (60mins)	
				CHRISTMAS HOLIDA	AYS			
	08/01/2023	15/01/2023	22/01/2023	29/01/2023	05/02/2023			
Week commencing	16	17	18	19	20			-
Topic overview		ing dimensions in similar shapes.	Equation of a circle - Equation of a circle.	Graphical inequalites - Relating to y=mx+c.	Catch-up, repair, revise, assess.	-		
Skill specific	- Understand and use SSS, SAS, At congruence - Understand relationship between so - Find the surface area/volume of a	A and RHS conditions to prove the coft triangles. Cale factors of length, area and volume. Similar solid when the scale factor of cis given in ratio form.	- Tangents to circles.	- Find regions Quadratic ineqaulities.	Assessment week. 1 x non-calculator paper (50 mins) 1 x calculator paper (50 mins) Mix of all skills taught to date.			
Assessment				owledge check d Kcheck (30mins)		1		
Home learning				ARX (60mins)				
				EER HALE TERM				
	14/01/1000	21/01/1000	27/01/1000	FEB HALF TERM	10/03/1000			
Week commencing	14/01/1900 21	21/01/1900 22	27/01/1900 23	03/02/1900 24	10/02/1900 25	Π		
Week commencing Topic overview Skill specific		- Reflect a shape in a line with given equivalent of the state of the	23 Transformations uation.	03/02/1900 24				
Topic overview Skill specific Assessment	P1 Map scales & bearings - Solve problems involving bearings Use of parallel line angles, Pythagoras, and trigonometry Understand map scales. Knowledge check	- Reflect a shape in a line with given equ - Describe a reflection Translate a shape by a given vector Describe a translation Rotate a shape by a given angle aroun - Describe a rotation Enlarge a shape by a given scale factor - Describe an enlargement.	Transformations uation. d a given point. r (integer, fractional, negative) around a	03/02/1900 24 given centre of enlargement. Knowledge check	25 Column vectors - Add or subtract two vectors written in column vector form. - Multiphy/divide (or multiply by fraction) vectors. - Find the magnitude of a vector written in column vector form. - Graphical representation. Knowledge check			
Topic overview Skill specific	Z1 Map scales & bearings - Solve problems involving bearings Use of parallel line angles, Pythagoras, and trigonometry Understand map scales.	- Reflect a shape in a line with given equ - Describe a reflection Translate a shape by a given vector Describe a translation Rotate a shape by a given angle aroun - Describe a rotation Enlarge a shape by a given scale factor - Describe an enlargement.	Transformations uation. d a given point. r (integer, fractional, negative) around a	03/02/1900 24 given centre of enlargement.	25 Column vectors - Add or subtract two vectors written in column vector form Multiphy/divide (or multiply by fraction) vectors Find the magnitude of a vector written in column vector form Graphical representation.			
Topic overview Skill specific Assessment	Z1 Map scales & bearings - Solve problems involving bearings Use of parallel line angles, Pythagoras, and trigonometry Understand map scales. Knowledge check Guided Kcheck (30mins) SPARX (60mins)	- Reflect a shape in a line with given equilibrium. - Describe a reflection. - Translate a shape by a given vector. - Describe a translation. - Rotate a shape by a given angle aroun. - Describe a rotation. - Enlarge a shape by a given scale factor. - Describe an enlargement. Knowledge check Guided Kcheck (30mins) SPARX (60mins)	Z3 Transformations uation. d a given point. r (integer, fractional, negative) around a Knowledge check Guided Kcheck (30mins) SPARX (60mins)	03/02/1900 24 given centre of enlargement. Knowledge check Guided Kcheck (30mins) SPARX (60mins) EASTER HOLIDAY	25 Column vectors - Add or subtract two vectors written in column vector form Multiphy/divide (or multiply by fraction) vectors Find the magnitude of a vector written in column vector form Graphical representation. Knowledge check Guided Kcheck (30mins) SPARX (60mins)	13/05/2024	20/05/2024	
Topic overview Skill specific Assessment	P1 Map scales & bearings - Solve problems involving bearings Use of parallel line angles, Pythagoras, and trigonometry Understand map scales. Knowledge check Guided Kcheck (30mins)	- Reflect a shape in a line with given equilibrium. - Describe a reflection. - Translate a shape by a given vector. - Describe a translation. - Rotate a shape by a given angle aroun. - Describe a rotation. - Enlarge a shape by a given scale factor. - Describe an enlargement. Knowledge check Guided Kcheck (30mins)	Transformations uation. d a given point. r (integer, fractional, negative) around a Knowledge check Guided Kcheck (30mins)	03/02/1900 24 given centre of enlargement. Knowledge check Guided Kcheck (30mins) SPARX (60mins)	25 Column vectors - Add or subtract two vectors written in column vector form Multiphy/divide (or multiply by fraction) vectors Find the magnitude of a vector written in column vector form Graphical representation. Knowledge check Guided Kcheck (30mins) SPARX (60mins)	13/05/2024 31	20/05/2024 32	
Topic overview Skill specific Assessment Home learning	Z1 Map scales & bearings - Solve problems involving bearings Use of parallel line angles, Pythagoras, and trigonometry Understand map scales. Knowledge check Guided Kcheck (30mins) SPARX (60mins)	- Reflect a shape in a line with given equity of the control of th	Z3 Transformations uation. d a given point. r (integer, fractional, negative) around a Knowledge check Guided Kcheck (30mins) SPARX (60mins) 22/04/2024 28 Functions	03/02/1900 24 given centre of enlargement. Knowledge check Guided Kcheck (30mins) SPARX (60mins) EASTER HOLIDAY 29/04/2024	25 Column vectors - Add or subtract two vectors written in column vector form Multiphy/divide (or multiply by fraction) vectors Find the magnitude of a vector written in column vector form Graphical representation. Knowledge check Guided Kcheck (30mins) SPARX (60mins) S 06/05/2024 30 Transforming graphs of functions	31 Scatter graphs		
Topic overview Skill specific Assessment Home learning Week commencing	21 Map scales & bearings - Solve problems involving bearings Use of parallel line angles, Pythagoras, and trigonometry Understand map scales. Knowledge check Guided Kcheck (30mins) SPARX (60mins)	- Reflect a shape in a line with given equilibrium. - Describe a reflection. - Translate a shape by a given vector. - Describe a translation. - Rotate a shape by a given angle aroun. - Describe a rotation. - Enlarge a shape by a given scale factor. - Describe an enlargement. Knowledge check Guided Kcheck (30mins) SPARX (60mins)	Transformations uation. d a given point. r (integer, fractional, negative) around a Knowledge check Guided Kcheck (30mins) SPARX (60mins) 22/04/2024 28 Functions e.g. f(x) = -8	03/02/1900 24 given centre of enlargement. Knowledge check Guided Kcheck (30mins) SPARX (60mins) EASTER HOLIDAY 29/04/2024	25 Column vectors - Add or subtract two vectors written in column vector form Multiphy/divide (or multiply by fraction) vectors Find the magnitude of a vector written in column vector form Graphical representation. Knowledge check Guided Kcheck (30mins) SPARX (60mins) S 06/05/2024	31	32	
Topic overview Skill specific Assessment Home learning Week commencing Topic overview	21 Map scales & bearings - Solve problems involving bearings Use of parallel line angles, Pythagoras, and trigonometry Understand map scales. Knowledge check Guided Kcheck (30mins) SPARX (60mins) 08/04/2024 26 Catch-up, repair, revise, assess. Assessment week. 1 x non-calculator paper (50 mins) 1 x calculator paper (50 mins)	Reflect a shape in a line with given equilibrium. Retail a shape by a given vector. Describe a rotation. Enlarge a shape by a given angle aroun. Enlarge a shape by a given scale factor. Enlarge	Transformations uation. d a given point. r (integer, fractional, negative) around a Knowledge check Guided Kcheck (30mins) SPARX (60mins) 22/04/2024 28 Functions e.g. f(x) = -8 ons. Knowledge check	03/02/1900 24 given centre of enlargement. Knowledge check Guided Kcheck (30mins) SPARX (60mins) EASTER HOLIDAY 29/04/2024 29 Knowledge check	25 Column vectors - Add or subtract two vectors written in column vector form Multiphy/divide (or multiply by fraction) vectors Find the magnitude of a vector written in column vector form Graphical representation. Knowledge check Guided Kcheck (30mins) SPARX (60mins) S 06/05/2024 30 Transforming graphs of functions - Plot and recognise graphs of trigonometric functions Understand the effect of the transformations y = f(x+a), y = f(ax), y = af(x) and y = f(x)+a Mixed transformation questions. Knowledge check	Statter graphs - Plotting (inc. outliers knowledge) Line of best fit Correlation Estimating solutions. Knowledge check	Assessment week. 1 x non-calculator paper (50 mins) 1 x calculator paper (50 mins)	
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Topic overview Skill specific Assessment Home learning Topic overview Skill specific Assessment Home learning	21 Map scales & bearings - Solve problems involving bearings Use of parallel line angles, Pythagoras, and trigonometry Understand map scales. Knowledge check Guided Kcheck (30mins) SPARX (60mins) 08/04/2024 26 Catch-up, repair, revise, assess. Assessment week. 1 x non-calculator paper (50 mins) 1 x calculator paper (50 mins) Mix of all skills taught to date.	- Reflect a shape in a line with given equilibrium. - Describe a reflection. - Translate a shape by a given vector. - Describe a rotation. - Enlarge a shape by a given angle aroun. - Describe an enlargement. - Enlarge a shape by a given scale factor. - Describe an enlargement. - Knowledge check - Guided Kcheck (30mins) - SPARX (60mins) - Notation, substitution e.g. f(5), solving. - Composite. - Inverse. - Form and solve equations using function. - Knowledge check - Guided Kcheck (30mins) - SPARX (60mins) - SPARX (60mins)	Transformations uation. d a given point. r (integer, fractional, negative) around a Knowledge check Guided Kcheck (30mins) SPARX (60mins) 22/04/2024 28 Functions e.g. f(x) = -8 ons. Knowledge check Guided Kcheck (30mins) SPARX (60mins) 17/06/2024 35 cry tables ency tables. cry tables.	03/02/1900 24 given centre of enlargement. Knowledge check Guided Kcheck (30mins) SPARX (60mins) EASTER HOLIDAY 29/04/2024 29 Knowledge check Guided Kcheck (30mins) SPARX (60mins) MAY HALF TERM	25 Column vectors - Add or subtract two vectors written in column vector form Multiply/divide (or multiply by fraction) vectors Find the magnitude of a vector written in column vector form Graphical representation. Knowledge check Guided Kcheck (30mins) SPARX (60mins) S 06/05/2024 30 Transforming graphs of functions - Plot and recognise graphs of trigonometric functions Understand the effect of the transformation sy = f(x+a), y = f(ax), y = af(x) and y = f(x)+a Mixed transformation questions. Knowledge check Guided Kcheck (30mins) SPARX (60mins)	Scatter graphs - Plotting (inc. outliers knowledge) Line of best fit Correlation Estimating solutions. Knowledge check Guided Kcheck (30mins) SPARX (60mins)	Assessment week. 1 x non-calculator paper (50 mins) 1 x calculator paper (50 mins) Mix of all skills taught to date.	
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Skill specific Assessment Home learning Week commencing Topic overview Skill specific Assessment Home learning Week commencing Skill specific	21 Map scales & bearings - Solve problems involving bearings Use of parallel line angles, Pythagoras, and trigonometry Understand map scales. Knowledge check Guided Kcheck (30mins) SPARX (60mins) 08/04/2024 26 Catch-up, repair, revise, assess. Assessment week. 1 x non-calculator paper (50 mins) 1 x calculator paper (50 mins) Mix of all skills taught to date. 03/06/2024 33 Averages - Mean, mode, median, range Mean missing values (form and solve).	Reflect a shape in a line with given equilibrium. Describe a reflection. - Translate a shape by a given vector. - Describe a translation. - Rotate a shape by a given angle aroun. - Describe a rotation. - Enlarge a shape by a given scale factor. - Describe an enlargement. Knowledge check Guided Kcheck (30mins) SPARX (60mins) - Composite. - Inverse. - Form and solve equations using function. Knowledge check Guided Kcheck (30mins) - Calculate mean from grouped frequent. - Calculate mean from grouped frequent. - Composite could be requent. - Calculate mean from grouped frequent. - Calculate mean from grouped frequent. - Composite could be requent. - Calculate mean from grouped frequent.	Transformations uation. d a given point. r (integer, fractional, negative) around a Knowledge check Guided Kcheck (30mins) SPARX (60mins) 22/04/2024 28 Functions e.g. f(x) = -8 ons. Knowledge check Guided Kcheck (30mins) 5PARX (60mins) 17/06/2024 35 cy tables iency tables. cy tables. cy tables. cy tables. cy tables. class interval from a frequency table. s interval from a frequency table.	03/02/1900 24 given centre of enlargement. Knowledge check Guided Kcheck (30mins) SPARX (60mins) EASTER HOLIDAY 29/04/2024 29 Knowledge check Guided Kcheck (30mins) SPARX (60mins) MAY HALF TERM 24/06/2024 36 Frequency polygons & pie charts - Draw and interpret a frequency polygon Draw and interpret a pie chart.	25 Column vectors - Add or subtract two vectors written in column vector form Multiply/divide (or multiply by fraction) vectors Find the magnitude of a vector written in column vector form Graphical representation. Knowledge check Guided Kcheck (30mins) SPARX (60mins) S 06/05/2024 30 Transforming graphs of functions - Plot and recognise graphs of trigonometric functions Understand the effect of the transformations y = f(x+a), y = f(x), y = af(x) and y = f(x)+a Mixed transformation questions. Knowledge check Guided Kcheck (30mins) SPARX (60mins) SPARX (60mins) 01/07/2024 37 Catch-up, repair, revise, assess.	Sate graphs - Plotting (inc. outliers knowledge) Line of best fit Correlation Estimating solutions. Knowledge check Guided Kcheck (30mins) SPARX (60mins) 08/07/2024 38 Proof - Proof by contradiction Algebraic proof.	Assessment week. 1 x non-calculator paper (50 mins) 1 x calculator paper (50 mins) Mix of all skills taught to date. 15/07/2024 39 Direct and inverse proportion - Direct proportion (a = kb) Inverse proportion (a = k/b) Roots and powers, worded and contextual questions Forming a single formula from two	