	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	Area and	volume 01	Area and volume:	circles, spheres, etc.	Catch-up, repair, revise, assess.	Angles
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.	Fractions and mixed numbers. Fractions of amounts (inc. reverse). Fraction acluations (add/subtract/multiply/divide). Recurring decimal to fraction.	 Prior knowledge check. Perimeter and area of compound shap Area of a trapezium and parallelogram Convert area units (e.g. m2 to cm2). Convert volume units (e.g. m3 to cm3) Surface area and volume of prisms. 	(find area, find dimensions, etc.).	Calculate circumference. Decimal and Calculate radius/diameter given circur Calculate area. Decimal and in terms c Calculate radius/diameter given area. Semicircle and sector perimeter (arc l Mixed area and perimeter questions. Volume and S.A. of sphere, pyramid, c Volume of 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	Knowledge check	Knowledge check	Knowledge check	Knowledge check	Knowledge check		Knowledge check
Home learning	Guided Kcheck (30mins)	Guided Kcheck (30mins)	Guided Kcheck (30mins)	Guided Kcheck (30mins)	Guided Kcheck (30mins)	Guided Kcheck (30mins)		Guided Kcheck (30mins)
nome learning	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)		SPARX (60mins)

OCT HALF TERM

	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	Angles	Pythago	ras and Trigonometry	Advance	d trigonomentry	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 - SOH CAH TC - Angles of u - SOH	hagoras in context. basics for starting point. IA; find lengths, find angles. elevation and depression. CAH TOA in context.	- C - Sine - - Exact trig values; (Sine rule. osine rule. rule for area. Context.) / 30 / 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	wledge check	Knowledge check	Knowledge check	Knowledge check		Knowledge check
Home learning	Guided Kcheck (30mins)	Kcheck (30mins) 0	Guided Kcheck (30mins) Gu	uided Kcheck (30mins) Gui	ded Kcheck (30mins)		Guided Kcheck (30mins)
nome learning	SPARX (60mins)	ARX (60mins)	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)		SPARX (60mins)

CHRISTMAS HOLIDAYS

	08/01/2023	15/01/2023	22/01/2023	29/01/2023	05/02/2023
Week commencing	16	17	18	19	20
Topic overview	Similarity ar	nd congruence	Equation of a circle	Graphical inequalites	Catch-up, repair, revise, assess.
Skill specific	 Understand and use SSS, SAS, A congruence Understand relationship between so Find the surface area/volume of a 	ing dimensions in similar shapes. SA and RHS conditions to prove the e of triangles. cale factors of length, area and volume. similar solid when the scale factor of is given in ratio form.	- Equation of a circle. - Tangents to circles.	- Relating to y=mx+c. - 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	wledge check Kne	owledge check Kr	owledge check Kn	owledge check	
Home learning				d Kcheck (30mins) PARX (60mins)	

FEB HALF TERM

	14/01/1900	21/01/1900	27/01/1900	03/02/1900	10/02/1900	
Week commencing	21	22	23	24	25	
Topic overview	Map scales & bearings		Transformations			
Skill specific	 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. Transite a shape by a given vector. Describe a translation. Rotate a shape by a given angle arount Describe a rotation. Enlarge a shape by a given scale factor Describe an enlargement. 		given centre of enlargement.	 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. 	
Assessment	Knowledge check	Knowledge check	Knowledge check	Knowledge check	Knowledge check	
Home learning	Guided Kcheck (30mins)	Guided Kcheck (30mins)	Guided Kcheck (30mins)	Guided Kcheck (30mins)	Guided Kcheck (30mins)	
Home learning	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	

EASTER HOLIDAYS

	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	Catch-up, repair, revise, assess.		Functions		Transforming graphs of functions	Scatter graphs	Catch-up, repair, revise, assess.
Skill specific	Assessment week. 1 x non-calculator paper (50 mins) 1 x calculator paper (50 mins) Mix of all skills taught to date.	 Notation, substitution e.g. f(5), solving Composite. Inverse. Form and solve equations using function 	ons.		 Plot and recognise graphs of trigonometric functions. Understand the effect of the transformations y = f(x+a), y = f(ax), y = a(x) and y = f(x)+a. Mixed transformation questions. 		Assessment week. 1 x non-calculator paper (50 mins) 1 x calculator paper (50 mins) Mix of all skills taught to date.
Assessment		Knowledge check	Knowledge check	Knowledge check	Knowledge check	Knowledge check	
Home learning		Guided Kcheck (30mins)	Guided Kcheck (30mins)	Guided Kcheck (30mins)	Guided Kcheck (30mins)	Guided Kcheck (30mins)	
nome learning		SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	SPARX (60mins)	

MAY HALF TERM

	03/06/2024	10/06/2024	17/06/2024	24/06/2024	01/07/2024	08/07/2024	15/07/2024
Week commencing	33	34	35	36	37	38	39
Topic overview	Averages	Frequen	cy tables	Frequency polygons & pie charts	Catch-up, repair, revise, assess.	Proof	Direct and inverse proportion
Skill specific		 Calculate mean from ungrouped freque Calculate mean from grouped frequen Form a grouped or ungrouped frequen Determine the range, mode or modal Determine the median or median class 	cy tables. icy table. class interval from a frequency table.	 Draw and interpret a frequency polygon. Draw and interpret a pie chart. 		- Proof by contradiction. - Algebraic proof.	 Direct proportion (a = kb). Inverse proportion (a = k/b). Roots and powers, worded and contextual questions. Forming a single formula from two proportional relationships.

| Assessmen | ıt | Knowledge check | |
|-------------|---------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--|
| Home learni | ng | Guided Kcheck (30mins) | |
| nome learni | Home learning | SPARX (60mins) | |