9n Class - Navigator Curriculum 3 hours per work.

Max 6 hours per topic.

Core mathematical facts, concepts, methods and strategies Apply understanding with greater independence.

Recall facts with confidence.

Start to highlight keywords in (2/4 mark questions).

Year	2022 – 2023 Autumn 1	2022 – 2023 Autumn 2	2022 – 2023 Spring 1	2022 – 2023 Spring 2	2022– 2023 Summer 1	2022 – 2023 Summer 2
	Topic: Calculation-addition and subtraction. Fractions and decimals and percentages. Measure and accuracy-Money	Topic: Calculations/ multiplication and division. Measure and accuracy-Time Working in 2d/3d.	Topic: Algebra Data and statistics Measure and accuracy- Angles and polygons Working in 2d/3d	Topic: Number Ratio/Probability/Se quence	Topic: Calculation Fractions and decimals and percentages. Measure and accuracy.	Topic: Measure and accuracy. weight/capacity/volume. Suggested Key Questions:
	Suggested Key Questions With greater confidence and the ability to recall some facts can you solve problems involving addition and subtraction, fraction, decimal and percentages. Key Skills and Knowledge: Find 10 or 100 more or less than a given number	confidence ty to recall san you ms dition and fraction, and and ce: Suggested Key Questions: With greater confidence and the ability to recall some facts can you solve problems involving multiplication and division. Key Skills and Knowledge:	Suggested Key Questions: With greater confidence and the ability to recall some facts can you solve problems involving algebra/statistics/angles and polygons? Key Skills and Knowledge: Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in	Suggested Key Questions: With greater confidence and the ability to recall some facts can you solve problems involving ratio and proportion? Key Skills and Knowledge: Independently with greater confidence apply basic knowledge facts to solve problems in involving the four applications.	Suggested Key Questions: With even more confidence and the greater ability to recall some facts can you solve problems involving fraction, decimal and percentages? Key Skills and Knowledge: Recognise and use fractions as numbers: unit fractions and non-	With greater confidence and the ability to recall some facts can you solve problems involving measure with accuracy and read scales? Key Skills and Knowledge: Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) measure the perimeter of simple 2-D shapes

	Compare and order	Count from 0 in	different orientations	Start to apply to GCSE	unit fractions with small	
	numbers up to 1000	multiples of 4, 8, 50 and	and describe them	question with greater	denominators	
		100	recognise angles as a	confidence.		
	Read and write		property of shape or a			
	numbers up to 1000 in	Recall and use	description of a turn		Compare and order unit	
	numerals and in words	multiplication and	identify right angles,		fractions, and fractions	
		division facts for the 3, 4	recognise that two right		with the same	
	Add and subtract	and 8 multiplication	angles make a half-turn,		denominators	
	numbers mentally,	tables	three make three			
	including:		quarters of a turn and			
	 a three-digit 		four a complete turn;			
	number and	Write and calculate	identify whether angles			
	ones	mathematical	are greater than or less			
	a three-digit	statements for	than a right angle			
	number and	multiplication and	identify horizontal and			
	tens	division using the	vertical lines and pairs			
		multiplication tables	of perpendicular and			
	 a three-digit number and 	aniphodicin tubioo	parallel lines.			
			parallol lillos.			
	hundreds.		Understand congruence			
	estimate and		and similarity.			
	use inverse		and similarity.			
	operations to		Simplify expressions			
	check answers		Simplify expressions			
	to a calculation					
	Recognise, find and					
	write fractions of a					
	discrete set of objects:					
	unit fractions and non-					
	unit fractions with small					
	denominators					
	Recognise that tenths					
	arise from dividing an					
	object into 10 equal					
	parts and in dividing					
	one – digit numbers or					
	quantities by 10.					
Links to Gatsby	Benchmark 2	Benchmark 2	Benchmark 2	Benchmark 2	Benchmark 2	Benchmark 2
Benchmarks:	Labour market to	Labour market to	Labour market to	Labour market to	Labour market to	Labour market to
	information. What	information. What	information. What	information. What	information. What	information. What are
	are the current trends	are the current trends	are the current trends	are the current trends	are the current trends	the current trends in
	are the current trends	are the current trenus	are the current trends	are the current trenus	are the current trenus	the culterit trends iii

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| that involve maths | involve maths skils |
| skils athat students | athat students are |
| are learning. | learning. |
| Benchmark 4. |
| STEM opportunities- |
| linking career |
| opportunities and |
| what aspects of |
| mathematics they are |
| learning. | learning. | learning. | learning. | learning. | learning. |