Curriculum intent (overview) – To deepen students' skills and knowledge through a broad and balanced curriculum which prepares students for adulthood.

11n Class - **Navigator Curriculum** *3 hours per work.*

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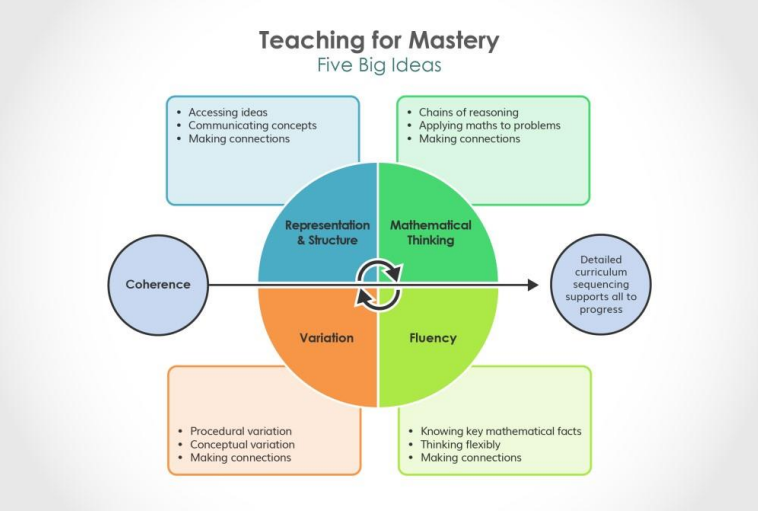
Core mathematical facts, concepts, methods and strategies to be able to experience success when problem-solving.
Promote word problems to solve GCSE (2/6 mark questions).
Apply understanding to a range of topics.



Year	2024 – 2025	2024 – 2025	2024 – 2025	2024 – 2025	2024 – 2025	2024 – 2025
	Topic: **Calculation=addition and subtraction.** **Fractions and decimals and percentages.** **Measure and accuracy-Time** **GCSE Revision.**	**Topic:** **Calculations/ multiplication and division.** **Measure and accuracy-Money** **Working in 2d/3d.** **GCSE Revision**	**Topic:** **Algebra** **Data and statistics** **Measure and accuracy-weight/capacity/volume.** **GCSE Revision**	**Topic:** **GCSE Exam Revision** (Teacher to select appropriate topic to meet the needs of the cohort)	**Topic:** **GCSE Exam Revision** (Teacher to select appropriate topic to meet the needs of the cohort) **Suggested Key Questions:**	**Topic:** **Angles and polygons** **Working in 2d/3d** **Measure and accuracy.** **AQA Level 1 unit (teacher to select)**

	(Teacher to select appropriate topic to meet the needs of the cohort) **Suggested Key Questions** Can you tackle a word problem based on the topic addition and subtraction? Can you measure with accuracy? Can students recognise, find and name a half as one of two equal parts of an object, shape or quantity **Key Skills and Knowledge:** Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) Round any number to the nearest 10, 100 or 1 000 Round decimals with one decimal place to the nearest whole number	(Teacher to select appropriate topic to meet the needs of the cohort) Multiplication of two digit numbers use grid method. Division use bus stop method. **Suggested Key Questions:** **Can you tackle multiplication and division word problems problems** Can you tackle word problems based on the topic? Can you apply you understanding to a range of GCSE questions? **Promote core facts** **Key Skills and Knowledge:** Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 Multiply a whole number by 10. Recognise when any number will give a whole number when divided by 10 Understand the index notation for squared and cubed and be able to calculate the results of squared and cubed	(Teacher to select appropriate topic to meet the needs of the cohort) **Suggested Key Questions:** Can you tackle a word problem based on the topic. **Promote core facts** Can you apply your understanding to GCSE questions involving statistics? **Key Skills and Knowledge:** Reinforce collecting like terms and simplifying. Substitute numerical values into formulae and expressions, including scientific formulae. Can you solve problems involving media, mean, mode and range.	**Suggested Key Questions:** **Promote core facts** Can you tackle a word problem based on the topic. Can you apply your understanding to GCSE sequence/ratio and proportion questions? **Key Skills and Knowledge:** Use ratio notation, including reduction to simplest form Use ratio notation, including reduction to simplest form Generate theoretical sample spaces for single and combined events with equally likely, mutually exclusive outcomes and use these to calculate theoretical probabilities Generate terms of a sequence from either a term-to-term or a position-to-term rule.	**Promote core facts** Can you tackle a word problem involving fractions, percentages and decimals. **Can you write fraction?** **Can you find equivalent fractions?** **Can you simpoplify fractions?** **Key Skills and Knowledge:** Use the four operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers, all both positive and negative Recognise and use relationships between operations including inverse operations	**Suggested Key Questions:** **Promote core facts** Can you tackle a word problem involving angles and polygons? **Key Skills and Knowledge:** Calculate and solve problems involving: perimeters of 2-D shapes (including circles), areas of circles and composite shapes Identify and construct congruent triangles, and construct similar shapes by enlargement, with and without coordinate grids. Derive and use the sum of angles in a triangle and use it to deduce the angle sum in any polygon, and to derive properties of regular polygons

		powers on the numbers 1–5 and 10.				
Links to Gatsby Benchmarks:	**Benchmark 2** Labour market to information. What are the current trends in the jobs market that involve maths skils athat students are learning. **Benchmark 4.** STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.	**Benchmark 2** Labour market to information. What are the current trends in the jobs market that involve maths skils athat students are learning. **Benchmark 4.** STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.	**Benchmark 2** Labour market to information. What are the current trends in the jobs market that involve maths skils athat students are learning. **Benchmark 4.** STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.	**Benchmark 2** Labour market to information. What are the current trends in the jobs market that involve maths skils athat students are learning. **Benchmark 4.** STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.	**Benchmark 2** Labour market to information. What are the current trends in the jobs market that involve maths skils athat students are learning. **Benchmark 4.** STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.	**Benchmark 2** Labour market to information. What are the current trends in the jobs market that involve maths skils athat students are learning. **Benchmark 4.** STEM opportunities- linking career opportunities and what aspects of mathematics they are learning.

Develop fluency
Reason mathematically
Solve problems