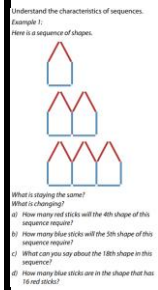
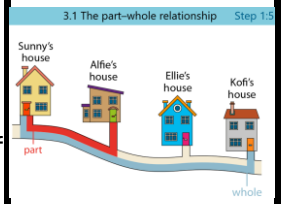
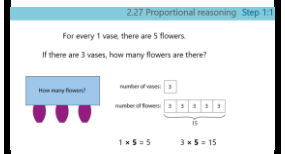
Curriculum intent (overview) – To deepen students' skills and knowledge through a broad and balanced curriculum which prepares students for adulthood.

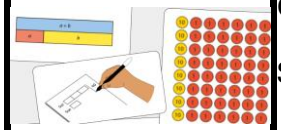
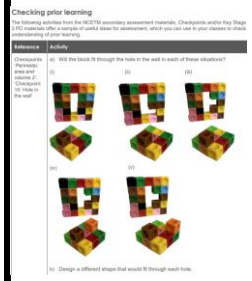
6.2

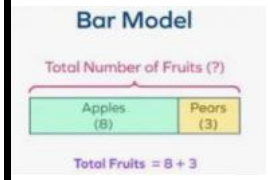
Year	2026 – 2027 Autumn 1	2026 – 2027 Autumn 2	2026 – 2027 Spring 1	2026 – 2027 Spring 2	2026 – 2027 Summer 1	2026 – 2027 Summer 2
2026-2027	**<u>Topic:</u> NPV.** **Place value & rounding 1 wk.** **Order integers and negative numbers 1wk** **Rounding integers and decimals 1wk** **Estimation using significant figures 1wk**	**<u>Topic:</u>** **Algebra.** **Formulas and Functions.** **Equations and Inequalities.** **<u>Suggested Key Questions:</u>**	**<u>Topic:</u>** **Angles and polygons.** **Working in 2D/3D.** **Circle and construction.** **<u>Suggested Key Questions:</u>** Can you describe and apply the properties of	**<u>Topic:</u>** Fraction Decimal and Percentages. Handling Data. **<u>Suggested Key Questions:</u>** Can you shade certain fraction.	**<u>Topic:</u>** Ratio and Proportion. Probability. **<u>Suggested Key Questions:</u>** Can you draw and label a probability scale.	**<u>Topic:</u>** Sequence. Pythagoras and trigonometry. **<u>Suggested Key Questions:</u>** In the pattern what shape comes next.

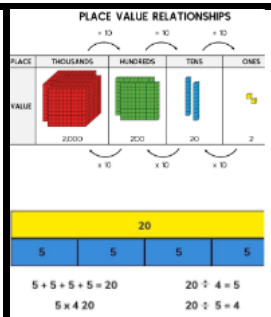
	Addition & subtraction • With positive/negative integers and decimals • With time, bank statements, bounds and perimeter 1 wk **Multiplication & division • With positive/negative integers and decimals • With time, bank statements, bounds 1 wk** **<u>Suggested Key Questions:</u>**	**Can you use algebraic expressions?** **Can you substitute numbers into formulae and expressions.** **Can you use and understand the words expression, equations, formulas, terms and factors.** **Can you set up and solve simple linear equations.** **Can you solve quadratic equations algebraically by factoring.**	angles at a point, on a line and at intersecting and parallel lines. Can you derive and apply the properties and definitions of special types of quadrilaterals **<u>Key Skills and Knowledge:</u>** Describe and apply the properties of angles at a point, on a line and at intersecting and parallel lines. FP Derive and use the sum of angles in a triangle. FP	Can you recognise fraction of amounts. Can you solve problems involving percentages. Can you organise data into pictograms, bar charts, pie charts etc. **<u>Key Skills and Knowledge:</u>** Introduction of Fractions,	Can you estimate the probability of an event. Can you use a fraction to describe a proportion. **<u>Key Skills and Knowledge:</u>** Introduce Ratio. Introduce proportion. FP Use fraction, percentages to solve for proportion. FB	The pattern what number will come next. Can you confirm in a certain number is in a sequence. **<u>Key Skills and Knowledge:</u>** Describe the sequence involving odd numbers. FP Describe the sequence involve special numbers (square, triangle, cube).FB Find the term to term rule. FY

	<u>Which number/decimal is smaller or larger? FP</u> **<u>What happens when you multiply or divide by positive and negative numbers. FB</u>** **<u>What are multiple, prime numbers, factors and are you able to identify them.</u> FY**	**<u>Key Skills and Knowledge:</u>** **Write and express terms do descriptors. FP** **Collecting like terms and simplifying expressions. FP** **Laws of indices and be able to use and apply. FB** **Expanding and factorising. FY,** **Substitute numerical values into formulas and expressions. FP** **Rearrange formulae to**	Derive and apply the properties and definitions of special types of quadrilaterals. FB Solve geometrical problems on coordinate axes. FB Identify and use congruence and similarities. FY Deduce and use the angle sum in any polygon and derive3 properties of regular polygons. FY Accurately measure and draw	Decimals and percentages. FP Covert between fraction, decimals and percentages. FFB Add and subtract fractions. FY Organise data. FP Present Data. FB Frequency diagrams. FB Averages and spreads. FY Scatter Diagrams and correlation. FB Time series. FY	Write ratio in its simplest form. FY Use scale factors, diagrams and maps. FB Solve problems involving percentage change. FY Use experimental data to estimate probabilities and expected frequencies. FB Calculate theoretical probabilities. FB Compare theoretical probabilities. FY	Use the formula for pytagoras. FP Use trignometric ratios. FB Wrire colum vectors and and draw vector diagrams. FY Representation  Understand the characteristics of sequences. *Example 1:* *Here is a sequence of shapes.* *What is staying the same?* *What is changing?* *a) How many red sticks will the 4th shape of this sequence require?* *b) How many blue sticks will the 5th shape of this sequence require?* *c) What can you say about the 18th shape in this sequence?* *d) How many blue sticks are in the shape that has 16 red sticks?* -

	<u>Key Skills and Knowledge:</u> **<u>Foundation Purple</u>.** **Order positive and negative integers** **Use the symbols =, ≠, <, >, ≤, ≥.** **<u>Foundation Blue</u>.** **Apply the four operations, including formal written methods, to integers – both positive and negative**	**change the subject. FB** **Identify inequalities, equations, formulae and identities. FB** **Factorise quadratic expressions. FY** **Derive and solve simpler linear equations. FP** **Solve quadratic equations algebraically by factoring. FB** **Derive and solve two linear simultaneous equations in two variables. FY**	line segments and angles. FP Use Bearings to solve problems.FP Interpret maps and scale.fb Calculate area of a triangle, arrallologram and trapezia. FB Work out the number of faces, edges and sides.FY Construct and interpret elevations, plans of 3d shapes. FY Identify parts of a circle. FP Construct triangles. FB	Representation. 	Representation 	

	Understand and use place value (e.g. when working with very large or very small numbers, and when calculating with decimals) **Foundation Yellow.** **Estimate answers** **Check calculations using approximation.** **Higher:** **Use the concepts and vocabulary of prime numbers, factors (divisors),**	**Representation,** 	Apply formula to Circles. FY Solve for Loci. FY Representation 			

	multiples, common factors, common multiples, highest common factor, lowest common multiple, prime factorisation, including using product notation, and the unique factorisation theorem **Representation.**  					

						
Links to Gatsby Benchmarks:	4. Linking curriculum learning to careers:	4. Linking curriculum learning to careers:	4. Linking curriculum learning to careers:	4. Linking curriculum learning to careers:	4. Linking curriculum learning to careers:	4. Linking curriculum learning to careers: