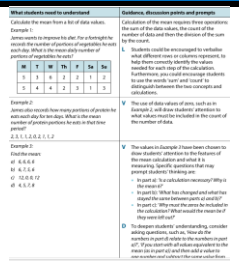
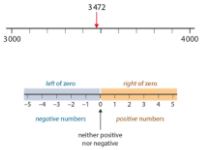
11N - Navigator Curriculum -

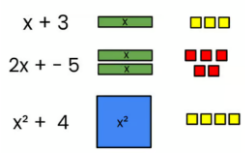
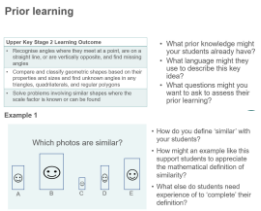
Key:
Suggested Key Questions:

FP = Foundation Purple.
FB= Foundation Blue
FY=Foundation Yellow
H- Higher

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	**Topic:** **Application of number (Types of Number • Geometric application of number).** **Algebra (Working with patterns/Algebraic manipulations • Sequences (all types)** **Suggested Key Questions:** **What is a prime number** **What is a cube number**	**Topic:** **Geometry:** **(Angle & scale reasoning • 2D shape application)** **Geometry and Graphs (Reasoning in 3D • Graphs of linear & quadratic functions)** **Fractional thinking: Percentages:** **Ratio & Proportion:: Ratio – manipulations • Compound Units • Direct and inverse proportion**	**Topic:** **Statistics. (grouped data)** **Geometry** **Suggested Key Questions:** **How do you find mean, mode, median and range for a set of data. FP** **Can you draw a line of best fit. FB**	**Topic:** **GCSE Exam Revision.** **Number.** **Algebra.** **Suggested Key Questions:** **Are you able to Calculate with integers/decimals. FP** **Can you Calculating with powers and roots. FB** **Can you recall the Using the laws of indices. FY**	**Topic:** **GCSE Revision.** **Geometry.** **Ration and proportion.** **Suggested Key Questions:** **Can you apply and describing the transformation of geometric figures using: Reflection and Enlargement. FP** **Rotaion and Translation. Fb.**	**Topic:** **Aqa Preparation for Adulthood** **Time and Timetable Unit Level 1125529)** **Suggested Key Questions:** **Can you convert at least four times written in words into a 12-hour** number format, eg 'quarter to three' to '2.45' **Key Skills and Knowledge:** **Key ways of telling the time**

	Whats id the sqaue root of a given number **Can you turn a ordinary number into standard form and vice versa.** **Can you find HCF/HCM** **Key Skills and Knowledge:** **Estimate the mean, and finding the interval containing the median, of grouped data. FY** **Able to Use the order of operations. FP** **Do you know what multiples, factors and prime numbers are. FB** **Are you able to use Using upper and lower bounds. FY** **How do we collect like terms? FP** **How do we simplify? FB** **Expand and simplify single double. FY**	**Suggested Key Questions:** **Do you know the coordinates. FP** **Can you understand the four quadrants. FB** **How would you plot a straight-line graph. FY** **Solving problems involving speed, distance, time and acceleration using graphs.H** **How do you work out an area of shape?** **How do you find an angle of on straight line, triangle, co-interior angles, alternate angles, corresponding angles.** **Key Skills and Knowledge:** **Reasoning in 3D • Volume and surface area of prisms, cones, pyramids and spheres**	**Key Skills and Knowledge:** **Working with data • Averages from data and tables • Histograms, frequency polygons, scatter graphs • Cumulative frequency and boxplots Pythagoras and trigonometry • Pythagoras • Finding side or angle using SOHCAHTOA** **Geometric application of number • Area of square, rectangle, triangle, trapezium • Compound area • Upper and lower bounds** **Working with angles • Angle facts • Bearings Shape properties • Types of quadrilaterals and triangles • Symmetry properties** **Representation**	**Are able to apply Understanding algebraic notation to a GCSE question. FP** **Can you use Understand and use algebraic language and symbols** **Can yo Understand and using function machines FY** **Can you share ratios of given amounts. FP** **Can you Write a ratio in the form 1 : n and n : 1. FB** **Can you Simplifying ratios to their lowest terms.FY** **Key Skills and Knowledge:** **Expand single, double and triple brackets • Factorise single brackets and quadratics** **Use of number systems • Product of primes • HCF and LCM • Operations with standard form •**	**Can you use vectors.FY.** **Key Skills and Knowledge:** **Working with angles • Angle facts • Bearings Shape properties • Types of quadrilaterals and triangles • Symmetry properties** **Simplifying/equivalent ratios • Part/whole/difference ratios and three-way ratio**	

	Expand triple brackets. H **Describe the sequence?** **Key Skills and Knowledge:** **Algebraic Manipulations • Expand single, double and triple brackets • Factorise single brackets and quadratics Sequences • Generate a sequence and find the nth term (linear) • Quadratic sequences • Iteration** **Keywords** **Expand Factorise Simplify Nth term Linear sequence Fibonacci** **Multiplication Division Fraction of amount Compound interest Decimal multiplier**	**• Plans and elevations Graphs of linear and quadratic functions • Drawing and finding the equation of linear graphs • Plotting quadratics and finding roots and turning points** **Ratio- manipulations • Simplifying/equivalent ratios • Part/whole/difference ratios and three-way ratio Compound units • DMV and SDT • Distance and velocity time graphs** **Understanding fractions and fractional FP operations • Operations with fractions •FB Representing fractions FP Simplifying and equivalence • FB Calculating with percentages • Percentage of amount/increase/decrease • FY** **Angle & scale reasoning • 2D shape application** **Angle & scale reasoning • Angles in parallel lines • Scale drawings • Interior**		**Fractional and negative indices** **Representation** 		

	Representation: 	**and exterior angles 2D shape application • Compound area including trapezia • Area and circumference of circles and sectors** **Keywords:** **Bar modelling Fraction Equivalent Simplify Density Accelerate** **Parallel Perpendicular Interior and exterior Trapezium Sector Chord** **Representation:** 				
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