

Emerald Mathematics Curriculum Map

Students develop deeper understanding via mastery approach. Gaining confidence with numbers is the first step throughout the year. Reasoning and problem solving gives students the skills needed to apply their knowledge. Working concrete physical resources and pictorial representations lead to a better understanding of abstract.



Transformations /
 Simultaneous equations
Summer 2

Constructions ,
 Congruence,
 Similarity/ Algebra
Spring 2

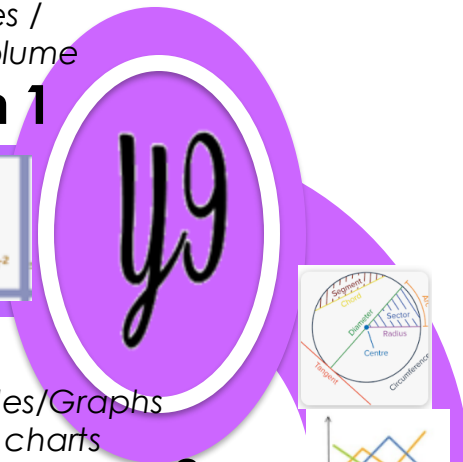
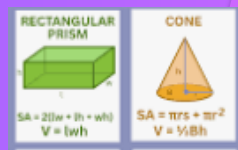
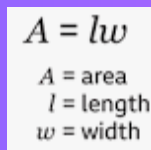
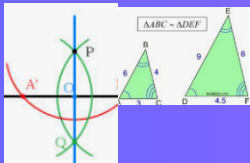
Money/ Straight
 line graphs /Ratio
 and proportion
Spring 1

Equations ,
 Inequalities, Formulae/
 Fractions/Rates
Autumn 2

Number sense
 /Percentages /
 Area and volume
Autumn 1

Summer 1

Pythagoras`
 theorem/
 Non linear graphs/
 Probability



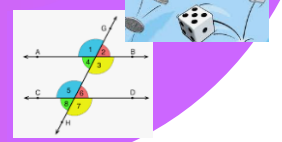
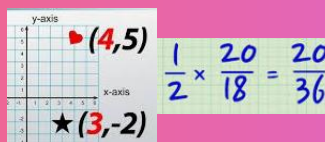
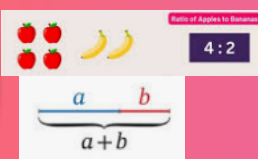
Circles/Graphs
 and charts
Summer 2

Ratio and
 Proportion/
 Algebraic
 manipulation
Autumn 1

Coordinates and
 graphs/
 Multiply and
 divide fractions
Autumn 2

Area, Volume and
 Density/
 Equations, Inequalities
Spring 1

Percentages/
 Indices/Data
Spring 2



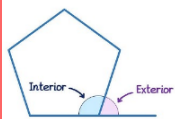
Summer 1

Angles in parallel
 lines/Tables and
 probability

$$\frac{2}{11} + \frac{5}{11} + \frac{1}{11} = ?$$

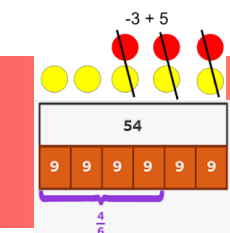
Summer 2

Add and subtract
 fractions / Angles
 and polygons

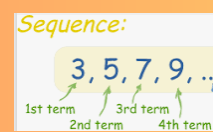
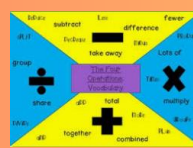


Summer 1

Speed, Distance,
 Time /
 Four operations
 with decimals



Averages Mode Median Mean and the Range		
percentage	fraction	decimal
30%	$\frac{3}{10}$	0.3



Directed numbers
 / Fractions and
 percentages of
 an amount /
 Perimeter, Area
Spring 2

Graphs /
 Fractions,
 Decimals,
 Percentages
Spring 1

Place value /
 Four operations /
 Averages /
 Rounding
Autumn 2

Sequences/
 Algebraic notation /
 Expression
Autumn 1

