PERSONALISED LEARNING CHECKLISTS

GCSE Mathematics: PERSONALISED LEARNING CHECKLIST

	Grade	Red	Amber	Green	Revised Tick ☑
Area of Study: Algebra					
Approximate solutions to equations using iteration.	9				
Equation of a circle	9				
Equation of a tangent	9				
Algebra and Proof	8				
Gradients and area under a graph	8				
Graphs of trigonometric functions	8				
Quadratic equations (completing the square)	8				
Composite functions	7				
Expand the product of two or more binomials	7				
Factorising difficult quadratic expressions	7				
Geometric Sequences	7				
Graphs of exponential functions	7				
Quadratic equations (needing re-arrangement)	7				
Quadratic equations (quadratic formula)	7				
Real-life exponential graphs	7				
Represent quadratic inequalities	7				
Simultaneous equations (non-linear)	7				
Solve quadratic inequalities	7				
Translations and reflections of a function	7				
Turning points & completing the square	7				
Algebraic fractions	6				
Identifying parallel lines	6				
Inverse functions	6				
Linear inequalities in two variables	6				
nth term of a quadratic sequence	6				

Quadratic equations (factorisation)	6				
Quadratic equations (graphical methods)	6				
Represent linear inequalities	6				
Simultaneous equations (linear)	6				
Algebraic argument	5				
Algebraic terminology	5				
Cubic and Reciprocal graphs	5				
Deduce quadratic roots algebraically	5				
Derive an equation	5				
Equation of a line	5				
Expand the product of two binomials	5				
Factorising quadratic expressions	5				
Fibonacci, quadratic and simple geometric sequences	5				
Graphical solution to equations	5				
Inequalities on number lines	5				
Linear equations	5				
Quadratic graphs	5				
Reciprocal real-life graphs	5				
Simplify indices	5				
Simplify surds	5				
Solve linear inequalities in one variable	5				
Writing formulae and expressions	5				
Changing the subject	4				
Collecting like terms	4				
Expressions	4				
Factorise single bracket	4				
Finding the equation of a line	4				
Graphs of linear functions	4				

PERSONALISED LEARNING CHECKLISTS

Graphs of quadratic functions	4				
Linear equations one unknown	4				
Multiplying single brackets	4				
Non-standard real life graphs	4				
nth term of a linear sequence	4				
Number machines	4				
Substitution	4				
Using "y = mx + c"	4				
Coordinates in four quadrants	3				
Plotting straight line graphs	3				
Position to term rules	3				
Sequences of square, triangular and cube numbers	3				
Using Formulae	3				
Sequences and Rules	2				

I am most confident with the following topic/topics:

I have struggled most with the following topic/topics:

	Grade	Red	Amber	Green	Revised Tick ☑
Area of Study: Geometry and Measures					
Circle Theorems	8				
Vector arguments and proof	8				
Area of a triangle	7				
Cosine rule	7				
Pythagoras and trig 2D and 3D	7				
Sine rule	7				
Combined transformations	6				

Congruence and Similarity	6				
Standard trigonometric ratios	6				
Arc lengths and sectors	5				
Derive triangle results	5				
Enlargements and negative SF	5				
Loci	5				
Pythagoras	5				
Similarity and Ciongruence	5				
Standard Constructions	5				
Surface Area	5				
Trigonometric Ratios	5				
Volume	5				
Alternative and Corresponding Angles	4				
Area of a circle	4				
Areas of composite shapes	4				
Areas of triangles, trapezia and parallelograms	4				
Bearings	4				
Circle Terminology	4				
Circumference of a circle	4				
Congruent triangles	4				
Enlargements and fractional SF	4				
Perimeter of 2D shapes	4				
Plans and elevations	4				
Polygons	4				
Solve Geometrical problems	4				
Vector arithmetic	4				
Volume of prisms	4				
3D shapes	3				

PERSONALISED LEARNING CHECKLISTS

Congruent and similar shapes	3				
Geometrical terminology and diagrams	3				
Measuring lines and angles	3				
Properties of quadrilaterals	3				
Properties of triangles	3				
Translations and vectors	3				
Using Standard units	3				

I am most confident with the following topic/topics:

I have struggled most with the following topic/topics:

	Grade	Red	Amber	Green	Revised Tick ☑
Area of Study: Number					
Surds	8				
Index laws (negative and fractional)	7				
Product rule	7				
Recurring decimals	7				
Upper and lower bounds	7				
Finance 1	6				
Powers and Roots	6				
Product of prime factors	6				
Using Pi	6				
Calculating with fractions	5				
Error intervals	5				
Index Laws	5				
Limits of accuracy	5				
Adding and subtracting fractions	4				

Checking calculations	4				
Compound measures	4				
Converting metric units	4				
Estimation	4				
Fractions and percentages	4				
Fractions and ratio problems	4				
Interpret calculator displays	4				
LCM and HCF	4				
Multiples and factors	4				
Multiplying fractions	4				
Operations	4				
Order of Operations	4				
Power Roundings	4				
Standard Form	4				
Terminating decimals and fractions	4				
Decimals	3				
Listing outcomes	3				
Prime numbers	3				
Using standard units	3				
Add and Subtract Integers	2				
Dividing Integers	2				
Ordering Numbers	2				
Place Value	2				

I am most confident with the following topic/topics:

I have struggled most with the following topic/topics:

PERSONALISED LEARNING CHECKLISTS

	Grade	Red	Amber	Green	Revised Tick ☑
Area of Study: Probability					
Conditional Probability					
Probability of dependent events					
Probability of independent events					
Mutually exclusive sum					
Relative Frequency					
Tables and Grids					
Theoretical Probability					
Unbiased Samples					
Venn Diagrams					
Frequency Trees					
Probability of equally likely outcomes					
I am most confident with the following topic/topics:					
I have struggled most with the following topic/topics:					

	Grade	Red	Amber	Green	Revised Tick ☑
Area of Study: Ratio, Proportion and Rates of Change					
Gradients and rate of change	9				
General iterative processes	7				
Direct and inverse proportion	6				
Compound units	5				
Gradient and rate of change	5				
Growth and decay	5				
Interpret proportion	5				
Percentage change	5				
Problems with compound units	5				

Scale factors and similarity	5				
Simple interest and financial Maths	5				
Solve proportion problems	5				
Compare fractions, decimals and percentages	4				
Compare lengths, area and volume	4				
Comparing quantities as a ratio	4				
Division of a quantity as a ratio	4				
Express one quantity as a % of another	4				
Percentage Change	4				
Problems involving ratio	4				
Ratio and fractions	4				
Ratio sharing	4				
Convert standard units	3				
Express one quantity as a fraction of another	3				
Use ratio notation	3				
Use scale factors, diagrams and maps	3				

I am most confident with the following topic/topics:

I have struggled most with the following topic/topics:

	Grade	Red	Amber	Green	Revised Tick ☑
Area of Study: Statistics					
Boxplots	6				
Cumulative frequency	6				
Histograms with unequal class widths	6				
Quartiles and interquartiles range	6				
Histograms with equal class widths	5				
Scatter graphs	5				

Comparing data using graphs	4				
Comparing distributions	4				
Correlation	4				
Population	4				
Sampling	4				
Scatter diagrams	4				
Time series	4				
Charts and diagrams	3				
Pie charts	3				
Types of data	3				
Vertical line charts	3				

I am most confident with the following topic/topics:

I have struggled most with the following topic/topics: