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BUILT FOR BRILLIANCE

At Connect2Learn, we believe brilliance isn't born – it's built. Our global learning platform is designed to empower every student with personalized, one-on-one education that nurtures skills, confidence, and curiosity. From core academics to creative and future-ready subjects, we connect passionate educators with young minds across the UK, Australia, and the US. With 5,000+ learners and a mission to reach 10,000 more, Connect2Learn is shaping a generation that's not just prepared for the future – but ready to lead it.



MATHS JOURNEY JUMPERS

MODULE -1 NUMBERS

ARITHMETIC PROCEDURES: INDEX LAWS

- Checking and securing understanding of converting between fractions and decimals
- Checking and securing understanding of prime factorisation
- Checking and securing understanding of LCM and HCF
- Checking and securing understanding of roots and integer indices
- The laws of indices - multiplication
- The laws of indices - division
- The laws of indices - negative and zero exponents
- Problem solving with the laws of indices



STANDARD FORM CALCULATION

- Checking and securing understanding of writing large number in standard form
- Adding numbers in standard form
- Subtracting numbers in standard form
- Multiplying numbers in standard form
- Dividing numbers in standard form



MATHS

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MODULE -2 RATIO AND PROPORTION

PERCENTAGES

- Checking and securing understanding of percentage increase
- Checking and securing understanding of percentage decrease
- Percentage profit and loss
- Simple and compound interest
- Simple interest calculations
- Compound interest calculations
- Advanced problem solving with percentages



RATIO

- Checking and securing understanding of simplifying and unitising ratios
- Checking and securing understanding of equivalent ratios
- Checking and securing understanding of converting between ratios, percentages and fractions
- Combining ratios
- Changing ratios
- Problem solving with ratios



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MODULE -3 STATISTICS

SAMPLING

- Checking understanding of statistical problems
- Types of data
- Sampling methods
- Data collection
- Biased questioning
- Advanced problem solving with sampling



COMPARISONS OF NUMERICAL SUMMARIES OF DATA

- Checking understanding of summary statistics from a list
- Calculating the mean from a grouped frequency table
- Calculating summary statistics from stem and leaf diagrams
- Comparing data sets in context
- Checking understanding of bar charts and pictograms
- Statistical summaries using technology
- Checking understanding of pie charts



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MODULE -4 ALGEBRA

ALGEBRAIC MANIPULATION

- Checking and securing understanding of simplifying
- Checking and securing understanding of substitution
- Further algebraic terminology
- Checking and securing understanding of expanding a single bracket
- Checking and securing understanding of factorising
- Checking and securing understanding of forming linear equations
- Checking and securing understanding of changing the subject
- Checking and securing understanding of the product of two binomials
- Factorising a quadratic expression
- Factorising using the difference of two squares
- Solving quadratic equations by factorising
- Problem solving with algebraic manipulation



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SIMULTANEOUS EQUATIONS: 2 VARIABLES

- Checking and securing understanding of interpreting graphs
- Forming simultaneous equations
- Solving complex simultaneous equations by elimination
- Solving simultaneous linear equations by substitution
- Solving simultaneous linear equations graphically
- Solving simultaneous equations via any method



LINEAR GRAPHS

- Checking and securing understanding of drawing linear graphs
- Checking and securing understanding of drawing vertical and horizontal graphs
- Parallel linear graphs
- Checking and understanding graphs showing direct proportion
- Graphs showing inverse proportion
- Problem solving with linear graphs



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NON-LINEAR GRAPHS

- Checking and securing understanding of drawing quadratic graphs
- Key features of a quadratic graph
- Drawing cubic graphs
- Drawing reciprocal graphs
- Problem solving with non-linear graphs



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MODULE -5 GEOMETRY AND MEASURE

2D AND 3D SHAPE: COMPOUND SHAPES

- Checking and securing understanding of converting between metric and imperial measures
- Perimeter and area in a contextual setting
- Checking and securing understanding of perimeter for compound shapes
- Checking and securing understanding of area for compound shapes
- Calculating arc length
- Area of compound shapes
- Area of sector



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RIGHT-ANGLED TRIGONOMETRY

- Checking and further securing understanding of Pythagoras' theorem
- Calculating the length of a line segment
- Checking and securing understanding of sine ratio problems
- Checking and securing understanding of cosine problems
- Calculate trigonometric ratios for 30° and 60°
- Calculate trigonometric ratios for 0° , 45° and 90°
- Applying trigonometric ratios in context



SIMILARITY

- The effect of enlargement on the perimeter of a shape
- Checking and securing understanding of congruent triangles (SSS)
- Checking and securing understanding of congruent triangles (SAS)
- Checking and securing understanding of congruent triangles (ASA)
- Checking and securing understanding of congruent triangles (RHS)



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ANGLES

- Checking and securing understanding of advanced angle facts
- Checking and securing understanding on chains of reasoning with angle facts
- Checking and securing understanding of polygons
- Checking and securing understanding of interior angles
- Forming equations with angles
- Problem solving with angles



BEARING

- Bearing



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Unlock Their Potential with
Personalized 1:1 Learning in Coding,
Math, English & More

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