

YEAR  
**11**

SEE YEAR 11 EXPRESS CURRICULUM

USING  
NUMBER

INDICES AND  
ROOTS

TYPES OF NUMBER  
AND SEQUENCES

NON CALCULATOR  
METHODS

PROBABILITY

RATIOS AND  
FRACTIONS

WORKING  
WITH CIRCLES

REPRESENTING SOLUTIONS  
OF EQUATIONS AND  
INEQUALITIES

CONGRUENCE,  
SIMILARITY AND  
ENLARGEMENTS

DELVING  
INTO DATA

COLLECTING, REPRESENTING  
AND INTERPRETING DATA

PROPORTIONS AND  
PROPORTIONAL CHANGE

PERCENTAGES AND INTEREST

GEOMETRY

VECTORS

ANGLES AND  
BEARINGS

DEVELOPING  
ALGEBRA

SIMULTANEOUS  
EQUATIONS

SIMILARITY

TRIGONOMETRY  
SOLVING  
PROBLEMS USING  
GRAPHS TABLES  
AND ALGEBRA

YEAR  
**10**

REPRESENTATIONS

FORMING AND  
SOLVING  
EQUATIONS

TESTING  
CONJECTURES

3D SHAPES

USING  
PERCENTAGES

NUMBERS

ROTATION  
AND  
TRANSLATION

RATES

REASONING  
WITH ALGEBRA

CONSTRUCTING  
IN 2 AND 3D

REASONING  
WITH NUMBER

REASONING  
WITH GEOMETRY

REASONING WITH  
PROPORTION

STRAIGHT LINE  
GRAPHS

CONSTRUCTIONS  
AND CONGRUENCY

MATHS AND  
MONEY

DEDUCTION

PYTHAGORAS'  
THEOREM

ENLARGEMENT  
AND  
SIMILARITY

SOLVING  
RATIO AND  
PROPORTION  
PROBLEMS

YEAR  
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REASONING  
WITH DATA

MEASURES  
OF LOCATION

THE DATA  
HANDLING CYCLE

DEVELOPING  
GEOMETRY

LINE OF  
SYMMETRY AND  
REFLECTION

ANGLES IN  
PARALLEL LINES  
AND POLYGONS

DEVELOPING  
NUMBER

FRACTIONS AND  
PERCENTAGES

ALGEBRAIC  
TECHNIQUES

INDICES

BRACKETS, EQUATIONS  
AND INEQUALITIES

REPRESENTATIONS

WORKING IN THE  
CARTESIAN PLANE

PROPORTIONAL  
REASONING

MULTIPLYING AND  
DIVIDING FRACTIONS

YEAR  
**8**

REASONING WITH  
NUMBER

PRIME NUMBERS  
AND PROOF

SETS AND  
PROBABILITY

DEVELOPING  
NUMBER SENSE

DEVELOPING GEOMETRIC  
REASONING

EQUALITY AND  
EQUIVALENCE

UNDERSTAND AND  
USE ALGEBRAIC  
NOTATION

SEQUENCES

PLACE VALUE AND  
PROPORTION

FRACTION, DECIMAL  
AND PERCENTAGE  
EQUIVALENCE

APPLICATIONS  
OF NUMBER

SOLVING PROBLEMS  
WITH MULTIPLICATION  
AND DIVISION

DIRECTED  
NUMBER

OPERATIONS AND  
EQUATIONS WITH  
DIRECTED NUMBER

FRACTIONAL  
THINKING

CONSTRUCTING, MEASURING AND  
USING GEOMETRIC NOTATION

LINES AND  
ANGLES

YEAR  
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Schemes of learning are designed to ensure students progress based on their security of understanding and readiness for the next stage. STRETCH and CHALLENGE is at the heart of our curriculum

Students will be able to SOLVE PROBLEMS and APPLY their knowledge to routine and non routine problems

Students will be able to REASON, CONJECTURE and JUSTIFY their arguments using mathematical language

Our scheme is designed with INTERLEAVING as a key element

Use Manipulatives will be used within a CPA approach to develop CONCRETE, PICTORIAL and ABSTRACT understanding

Students will develop CONCEPTUAL UNDERSTANDING and become FLUENT mathematicians leading to ability to RECALL and APPLY knowledge rapidly

Topic tests and termly assessments are designed to accurately assess knowledge and maximise progression.