Secondary Maths Curriculum Map

Gradients and lines, Non-linear graphs, using graphs

Algebra Expressions, formulas and equations Using and problem solving

Application of Number Problem solving, money and real life applications

Revision and Assessment Preparation

Qualifications
- Entry Level Certificate
- Functional Skills L1
- GCSE

Multiplicative reasoning Solving problems with scales and proportions

Angles and Bearings Problem solving and practical applications

YEAR 11

Congruence, similarity, enlargement

Probability Outcomes. Application of fractions, percentages and decimals

% and interest

Ratio and fractions Unitary values Sharing in proportions

Entry Level Certificate Assignments completed at appropriate points during year 10 and 11 . Those who exceed requirements complete exam style questions for FS L1 and/or GCSE to demonstrate progress

Reasoning with Number Percentages Money Applied number problem solving

Geometry Transforming shapes Pythagoras

Ratio & Proportion Scale Proportion Rates of Change

Consolidation – End of year assessments

YEAR 10

Properties of Number Types Sequences and patterns

Non-calculator methods 4 operations, use of numbers to solve problems in the real world.

Vocational Students have discrete subject lessons. Maths continues with developing core skills through the stages before commencing the external qualification criteria, as well as using and applying skills in Science, Construction, Hair & Beauty, DT, Art and IT

Construction in 2 and 3 dimensions

Algebraic Reasoning Linear graphs Form & solve equations

Stage 9

Reasoning with Data Data handling cycle

Developing Geometry Angles, Shapes & Symmetry

Developing Number Standard Form, Fractions & Percentages

Algebraic Techniques Manipulating expressions Indices Number patterns

Directed Number Calculations

Fraction addition & subtraction

Lines and Angles Notation, labelling and reasoning

Reasoning and Number Sets, probability, primes and proof

Stage 8

Proportional Reasoning Ratio, scale, fraction calculations

Representing Data Graphs, tables, probable outcomes

Applications of Number Four operations Calculating with percentages and decimals

Place Value and Proportion Ordering and comparing fractions, decimals and percentages

Algebraic Thinking number patterns Equality, equivalence Algebraic notation

Stage 7

Transition students continue with maths through Project Based Learning working on Maths Skills from primary stages 1-6 and moving through stages 7,8 and 9 when appropriate.

Number	Algebra	Ratio & Proportion	Geometry & Measures	Probability	Statistics