MATHS CURRICULUM

INTENT: Mathematics increases students' resilience for problem solving when they have limited information. It teaches them how to think and work systematically, critically analyse information and effectively communicate the steps within their thinking. Our curriculum adopts a 'no tricks' approach to teaching, developing a growth mindset: everybody can do mathematics. We aim to increase awareness and understanding of where the mathematics is used in the real world to enable our students to be 'school ready, work, ready, life ready'.

Year 9

PROBABILITY
VOLUME
TYPES OF DATA
SCALE, NETS, PLANS & ELEVATIONS
INEQUALITIES
LINEAR GRAPHS
Term 3 – Foundation Tier
PIE CHARTS & SCATTER DIAGRAMS
PERCENTAGES
FREQUENCY DIAGRAMS
EQUATIONS
Term 2 – Foundation Tier
FRACTIONS
DECIMALS
AREA & PERIMETER
Term 2 – Higher Tier

KINEMATIC GRAPHS
PYTHAGORAS
SIMULTANEOUS EQUATIONS
BEARINGS & SCALE
DATA SAMPLING & BIAS
Term 3 – Higher Tier
LINEAR GRAPHS
PIE CHARTS & SCATTER DIAGRAMS
COMPOUND & REVERSE PERCENTAGES
FREQUENCY DIAGRAMS
EQUATIONS & INEQUALITIES

CONSTRUCTIONS & CONGRUENCE
AREA & PERIMETER
KINEMATICS
SURFACE AREA & VOLUME
TYPES OF NUMBER
ALGEBRAIC EXPRESSIONS
PROPORTION
AVERAGES
RATIO
Term 1
Term 3

SEQUENCES
PROBABILITY
ANGLES POLYGONS & PARALLEL LINES
FORMULAE
FDP
AVERAGES & RANGE
EQUATIONS
TRANSFORMATIONS
PROPORTION
ALGEBRAIC EXPRESSIONS
Term 2

All students in Y7, 8 and 9 will complete one week on Financial Awareness at the end of Term 3.

Year 8

FORMULAE
AREA & PERIMETER
COORDINATES
ROUNDING & ESTIMATING
DATA & FREQUENCY TABLES
3D SHAPE
TYPES OF NUMBER
Term 1

MEASURE
PERCENTAGES
Term 3

EQUATIONS
TIME
FRACTIONS
2D SHAPES, ANGLES & SYMMETRY
ALGEBRAIC NOTATION
NUMBER SENSE
CALCULATIONS
Term 2
Term 1

Year 7

SCHOOL READY, WORK READY, LIFE READY