The Year 8 Curriculum: Mathematics

UP HOLLAND HIGH SCHOOL
Dedicated to Excellence

Brackets
- Expand double
- Factorise quadratics
- $(3n+2)(n-4)$

×	n	-4
$3n$	$3n^2$	$-12n$
2	$2n$	-8

Algebraic Fractions
- Simplify algebraic fractions
- Add/subtract
- Calculate with fractions

Inequalities
- Draw on a line
- Solve linear
- Read

End of Year Assessment / Half Term

Statistical Diagrams
- Stem and Leaf
- Line Graphs
- Averages from diagrams
- Pie Charts

Angles
- Angles in polygons
- Angles in parallel lines
- Angles in quadrilaterals
- Combining facts

Linear Graphs
- Plotting straight line graphs
- Equation of a line
- Gradient
- Plotting lines parallel to the axis

Transformations
- Translation
- Reflection

Term 2 Assessment

3D Shapes
- Convert units of volume
- Surface area
- Properties
- Volume
- Nets

Venn Diagrams
- HCF
- LCM
- Using
- Constructing

Half Term

Standard Form
- Convert small numbers
- Convert big numbers

Area
- Parallelograms
- Trapeziums
- Convert units of area

Circles
- Area
- Circumference
- Identifying parts

Term 1 Assessment

Ratio
- Unit ratio
- Share in a ratio
- Writing and simplifying a ratio
- Convert between fractions and ratios
- Equivalent ratios
- Scale diagrams

Rounding
- Significant figures
- Estimation
- Problem solving

Coordinates
- Midpoint

Sequences
- Term to term rules
- Position to term rules
- Substitute into a sequence

Half Term

Equations
- Solving including brackets
- Solving linear
- Solving with an unknown in the denominator
- Solving with unknowns on both sides
- Construct and solve

Percentages
- Multiplier method
- FDP
- Percentage change
- Percentages of amounts

Money
- Value for money

Year 8