The Year 9 Curriculum: Mathematics

UP HOLLAND HIGH SCHOOL
Dedicated to Excellence

Statistical Diagrams

End of Year Assessment

Presenting data
Frequency polygon
Averages
Types of data
Scatter graphs

Similarity

Half Term

Constructing triangles
Congruent triangles
Unknown sides

Transformations

Enlargement
Reflection
Rotation
Translation

Angles & Bearings

Angles in polygons
Angles in parallel lines
Bearings
Interpret

Quadratic Graphs

Solve graphically
Plot

Motion-time graphs

Term 2 Assessment

Speed
Distance – time graphs

Compound Measures

Rates
Speed

Linear Graphs

Half Term

Interpret straight lines
Equations of straight line graphs
Plotting

Ratio & Proportion

Inverse proportion
Direct proportion
Share
Write and simplify

Pythagoras' Theorem

Application
2D Pythagoras

Rounding

Term 1 Assessment

Error intervals
Truncating decimals

3D Shapes

Elevations
Plans

Circles

Volume of cylinders
Surface area of cylinders
Area of a sector
Arc length

Constructions

Perpendicular lines
Angle bisector

Formulae

Rearrange with two steps
Rearrange with one step

Quadratics

Half Term

Factorise
Solve
Factorise the difference of two squares

Inequalities

Double inequalities
Unknowns on both sides
Construct and solve

Standard form

Adding in standard form
Subtracting in standard form
Dividing in standard form
Multiplying in standard form

Probability

Experimental probability
Frequency trees
Expected results

Fractions and Percentages

Simple interest
Calculate percentage change
Percentage change
Reverse percentages
FDP

Year 9