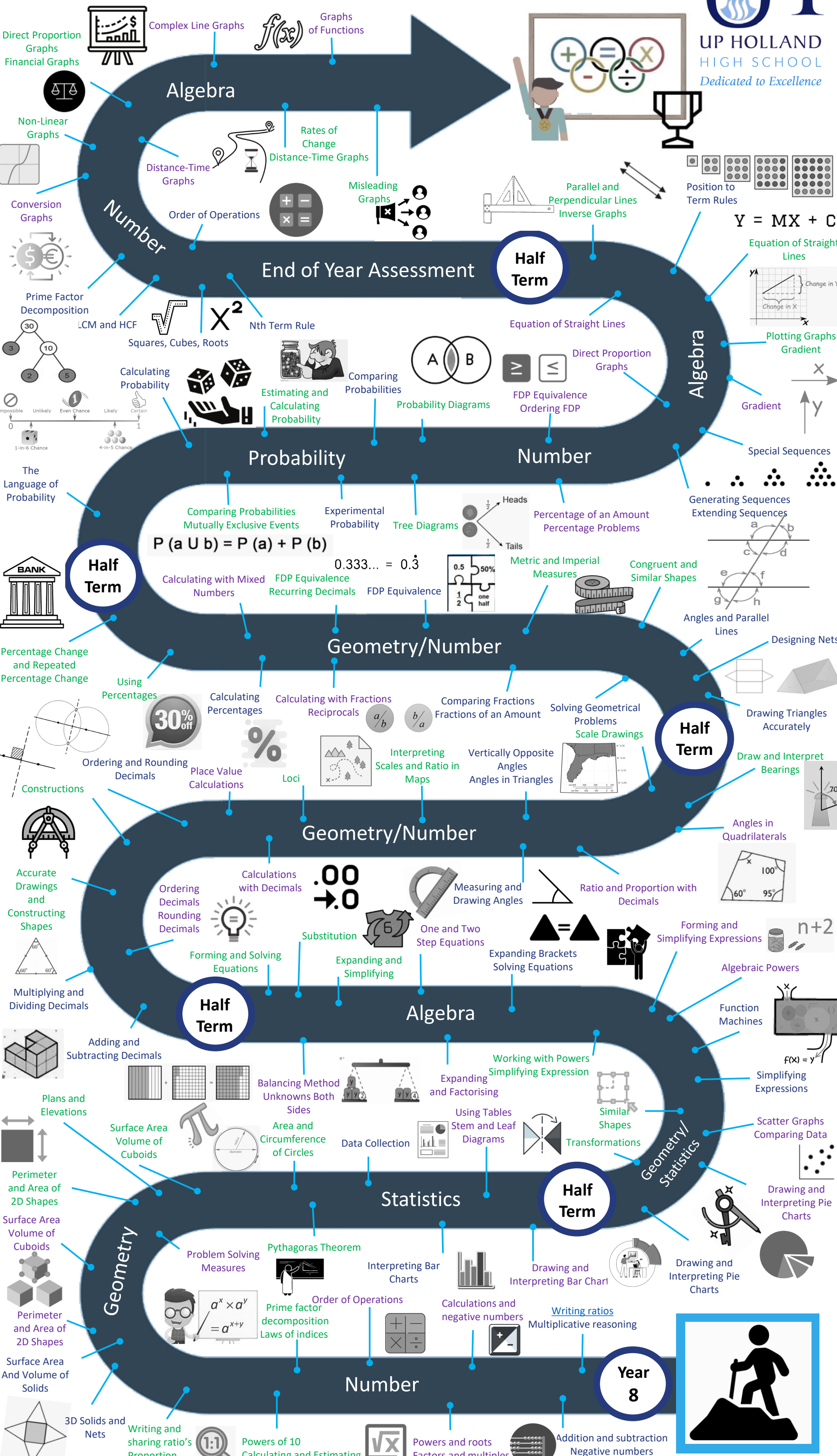


The Year 8 Curriculum: Mathematics



UP HOLLAND
HIGH SCHOOL
Dedicated to Excellence



Direct Proportion Graphs
Financial Graphs

Complex Line Graphs

Non-Linear Graphs

Conversion Graphs

Prime Factor Decomposition

LCM and HCF

Order of Operations

Distance-Time Graphs

Rates of Change

Misleading Graphs

Parallel and Perpendicular Lines

Inverse Graphs

Position to Term Rules

$Y = MX + C$

Equation of Straight Lines

Plotting Graphs

Gradient

Special Sequences

Generating Sequences

Extending Sequences

Angles and Parallel Lines

Designing Nets

Drawing Triangles Accurately

Draw and Interpret Bearings

Angles in Quadrilaterals

Forming and Simplifying Expressions

Algebraic Powers

Function Machines

Simplifying Expressions

Scatter Graphs

Comparing Data

Drawing and Interpreting Pie Charts

Drawing and Interpreting Pie Charts

Writing ratios

Multiplicative reasoning

Calculations and negative numbers

Writing and sharing ratio's Proportion

Powers of 10

Calculating and Estimating

Powers and roots

Factors and multiples

Addition and subtraction

Negative numbers

Algebra

Number

End of Year Assessment

Half Term

Equation of Straight Lines

Direct Proportion Graphs

FDP Equivalence

Ordering FDP

Probability

Number

Comparing Probabilities

Probability Diagrams

Percentage of an Amount

Percentage Problems

Metric and Imperial Measures

Congruent and Similar Shapes

Angles and Parallel Lines

Designing Nets

Drawing Triangles Accurately

Draw and Interpret Bearings

Angles in Quadrilaterals

Forming and Simplifying Expressions

Algebraic Powers

Function Machines

Simplifying Expressions

Scatter Graphs

Comparing Data

Drawing and Interpreting Pie Charts

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Writing ratios

Multiplicative reasoning

Calculations and negative numbers

Writing and sharing ratio's Proportion

Powers of 10

Calculating and Estimating

Powers and roots

Factors and multiples

Addition and subtraction

Negative numbers

Geometry/Number

Geometry/Number

Algebra

Statistics

Geometry

Number

Year 8

Ordering and Rounding Decimals

Place Value Calculations

Loci

Interpreting Scales and Ratio in Maps

Vertically Opposite Angles

Angles in Triangles

Ordering Decimals

Rounding Decimals

Calculations with Decimals

Substitution

Expanding and Simplifying

One and Two Step Equations

Expanding Brackets

Solving Equations

Forming and Solving Equations

Expanding and Factorising

Using Tables

Stem and Leaf Diagrams

Similar Shapes

Transformations

Surface Area Volume of Cuboids

Area and Circumference of Circles

Data Collection

Pythagoras Theorem

Interpreting Bar Charts

Drawing and Interpreting Bar Chart

Order of Operations

Prime factor decomposition

Laws of indices

Calculations and negative numbers

Writing ratios

Multiplicative reasoning

Surface Area And Volume of Solids

3D Solids and Nets

Writing and sharing ratio's Proportion

Powers of 10

Calculating and Estimating

Powers and roots

Factors and multiples

Addition and subtraction

Negative numbers

