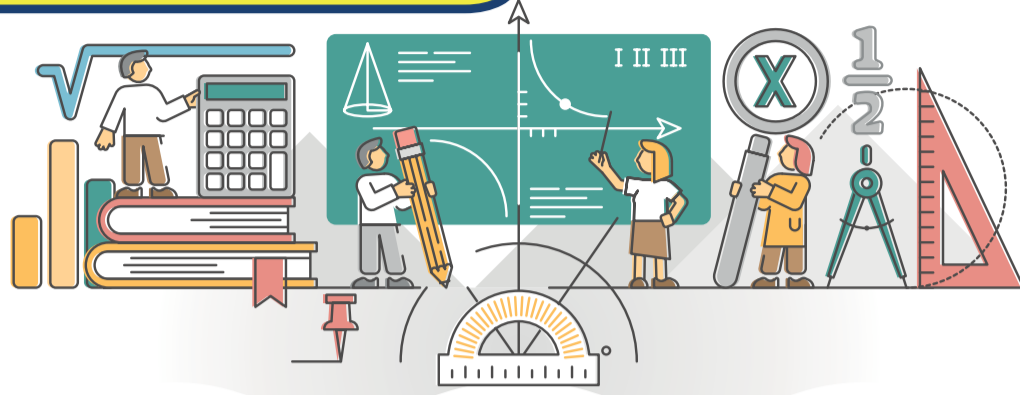


Hawkley Hall High School

KS3 Mathematics Learning Journey



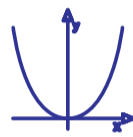
Progression to KS4:
GCSE Mathematics
Higher or Foundation



KS3 Students
will complete an
assessment at the end
of each unit and an end of
year assessment at the
end of Year 9

Graphs

Linear Graphs
Non-linear graphs



Perimeter, area & volume

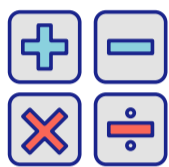
Area & perimeter
3D solids

Angles

Polygons
Pythagoras
Congruence & Similarity

Equations & inequalities

Equations
Inequalities



Year 9

Number

Indices
Estimation
Standard Form



Fractions, decimals & percentages

Percentages

Ratio & proportion

Proportion
Ratio
Compound measures

Expressions & sequences

Expressions
Formulae
Sequences



Transformations

Rotation
Reflection
Translation
Enlargement

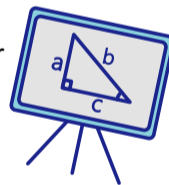


Graphs

Linear Graphs
Real life graphs

Perimeter, area & volume

Area & perimeter
3D solids



Angles

Parallel lines
Polygons
Angle problems

Equations & inequalities

Equations
Inequalities

Year 8

Number

Decimals & rounding
Powers & roots

Fractions, decimals & percentages

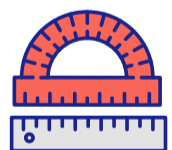
Calculate with fractions
Percentages

Ratio & proportion

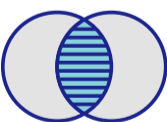
Proportion
Ratio

Expressions & sequences

Expressions
Formulae
Sequences



Data



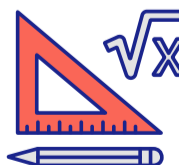
Charts & Tables
Averages & range
Probability

Graphs

Linear Graphs
Real life Graphs

Perimeter, area & volume

Area & perimeter
3D solids

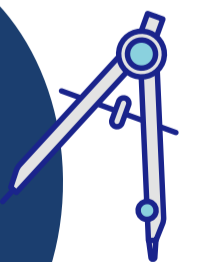


Angles

Angle properties
Properties of shape

Equations & inequalities

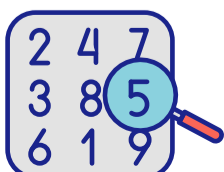
Equations
Inequalities



Year 7

Number

Negative numbers
Decimals
Types of number
Indices



Fractions, decimals & percentages

Compare fractions
Calculate with fractions
Percentages

Ratio & proportion

Proportion
Ratio

Expressions & sequences

Expressions
Formulae
Sequences

