## Year 7 Learning Journey

Moorside
High School


## Year 8 (H) Learning Journey



## Year 9 (H) Learning Journey

Key:
Assessment


Quadratic, cubic,
reciprocal graphs with Compound finding roots ratios and finding roots $\begin{gathered}\text { ratios and } \\ \text { ratio }\end{gathered}$ ratio problem solving

Year 9 Assessments in Maths

Statistical diagrams including scatter graphs, frequency polygons and time series graphs

Averages and range from frequency tables and cumulative frequency diagrams

## Rounding and estimation with error intervals, HCF, LCM and limit calculations <br> YEAR 9

Expanding
triple
brackets and
factorising
quadratics

Standard form, negative and fractional powers


## Year 10H Learning Journey

Key: Assessment


Circle theorems


Year 11

## Year 11 Higher Learning Journey

Key:

Simultaneous equations To solve non linear simultaneous equations by


Trigonometry Apply the Sine rule to no
right angled triangles Apply the Cosine rule to non right angled triangles Use trig to find the area of


Vectors
Calculating with column vectors Finding a resultant vector Use vectors to prove lines are parallel Solve problems in vector geometry

Proof
Prove that a statement is true by using algebra
Prove circle theorems

Limits
Identify the upper and lower bounds of a value
Write error intervals


YEAR 11

Drawing and using graphs bf Trig functions Transforming graphs
Find the gradient of a curve and the area under a curve
Use the equation of a circle and find the equation of a

