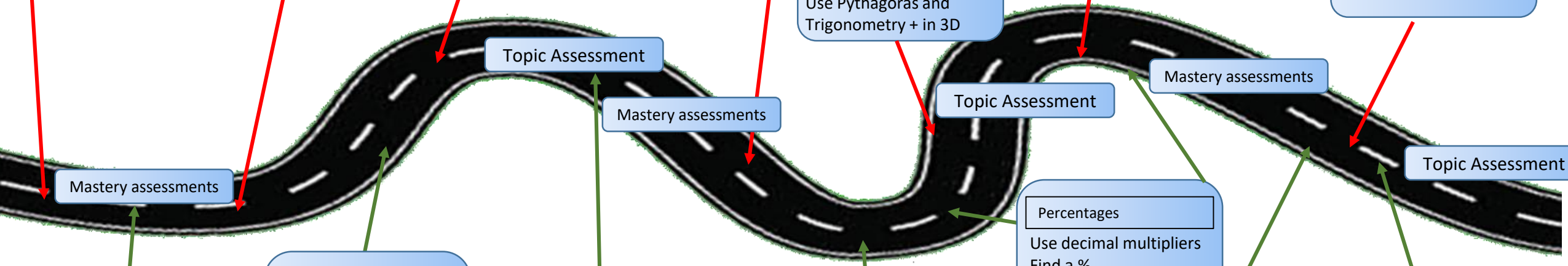
Year 9: Route map
Subject: Maths



Probability Trees
Form and complete a probability tree
Use to calculate probability
Use correct terminology

Volume
Use Volume of 3D shapes
Use Pythagoras' Theorem
Use the density formula

Upper and Lower Bounds
Use inequality notation
Error intervals
Bounds of calculations

Vectors
Use to describe translation
Add, subtract vectors
Length using Pythagoras
Angles using Trigonometry

Pythagoras and Trigonometry
Use Pythagoras and Trigonometry + in 3D

Inequalities, Quadratics
Show on a number line
Form and solve inequalities
Form and solve Quadratics in context

Kinematics
Use the speed formula

Mastery assessments

Topic Assessment

Mastery assessments

Topic Assessment

Mastery assessments

Topic Assessment

Simultaneous Equations
Form and solve in different context e.g. money, area

Quadratic Equations
Complete the square
y-intercept, Roots, Turning points
Quadratic Formula(H)

Trigonometry
Calculate sides
Angles
Apply to problems

Ratio
Solve ratio problems
Ratios of ratios
Linear functions and ratio
Form equations with ratio

Percentages
Use decimal multipliers
Find a %
% change
Reverse % (H)
Repeated % change

Transformations, Similarity
Translate, Reflect, Rotate, Enlarge
Combinations
Congruent shapes
Similar shapes

Venn diagrams
Put data into a Venn diagram
Use 'Set' notation
Solve problems using Venn

Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul