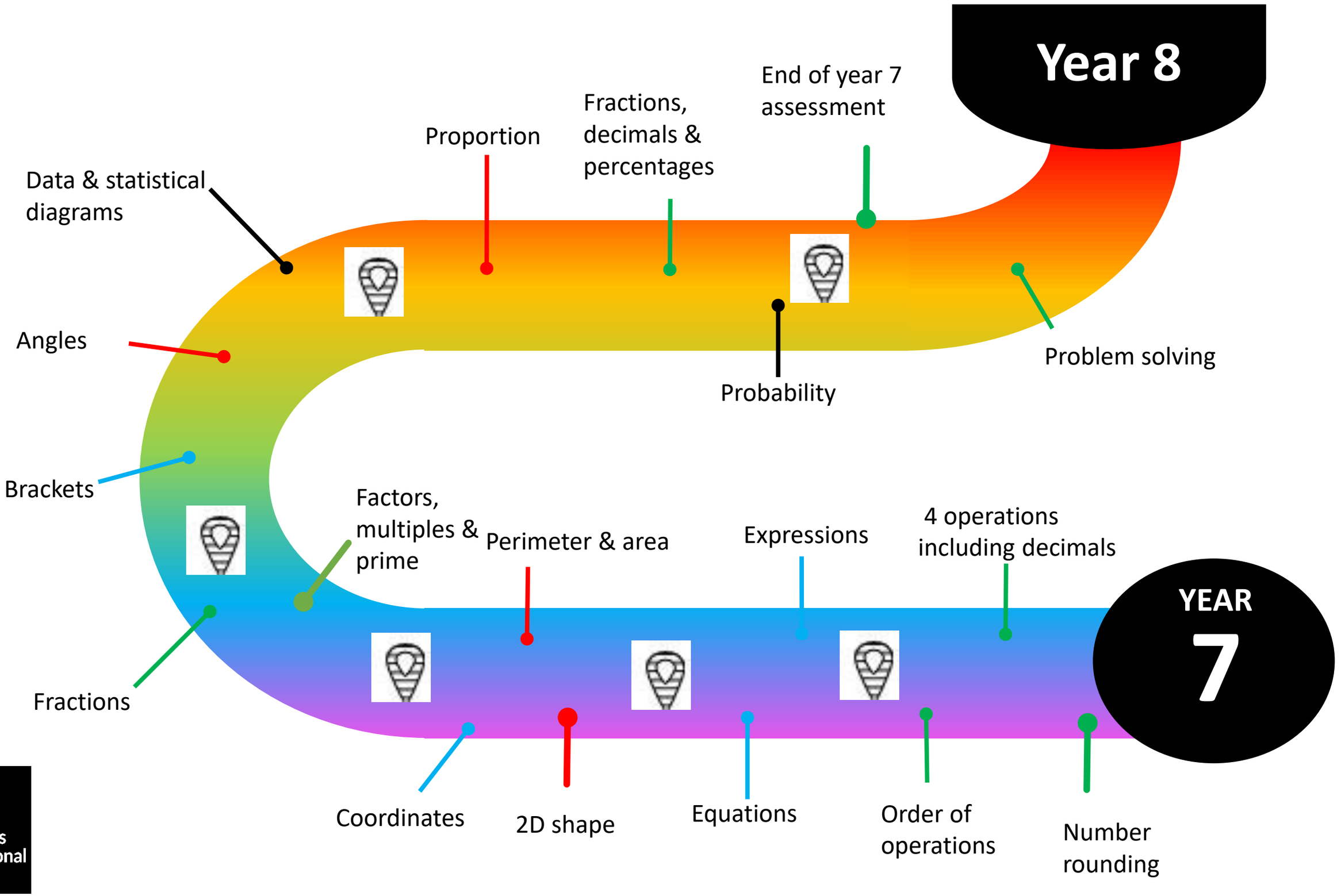
Year 7 Assessment Tracker

Mathematics

Learning Journey



Potteries Educational Trust

Year 8 Higher : Assessment Tracker

Mathematics

Learning Journey

Year 9

Angles

Statistical Diagrams

Straight line graphs

Brackets

Recurring decimals

Surface Area and Volume

Transformations

Inequalities

Algebraic fractions

3D shapes

Venn Diagrams

Coordinates

Money

Ratio and proportion

Equations

YEAR 8

Standard form

Area

rounding

Sequences

Indices

Percentages

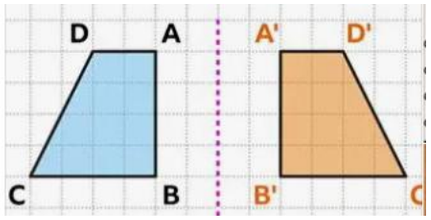
Potteries Educational Trust

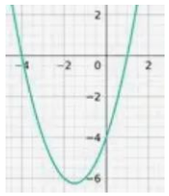
Year 9 Higher Assessment tracker

My Minimum Expected Grade -

Key:
Assessment

Mathematics | Learning Journey |





Year 10

Non-linear graphs

Angles & bearings

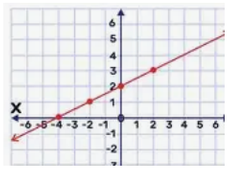
Transformations

Vectors

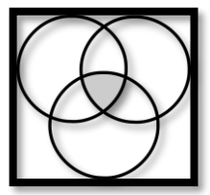
compound measure6s

Similar & congruent shapes

Handling data



Linear graphs



Ratio & proportion

Circles & cylinders



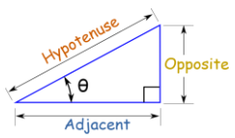
Formulae

Solving inequalities

Probability including Venn and tree diagrams

YEAR 9

Pythagoras & trigonometry



Rounding *

Constructions

Quadratics

Powers & standard form

Fractions & percentages

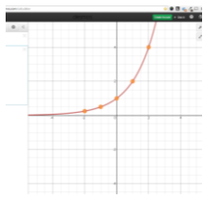
Potteries Educational Trust

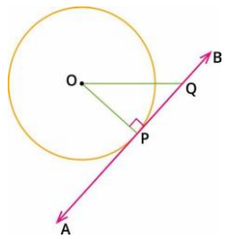
Year 10 Higher Learning journey

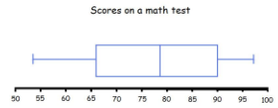
My Minimum Expected Grade -

Key:
Assessment

Mathematics Learning Journey







Year 11

Cumulative frequency, box plots & histograms

Solving simultaneous equations by elimination and substitution

Circle theorems

Non-linear graphs & real life graphs

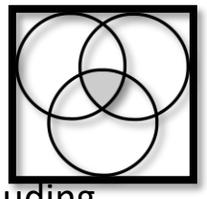
Linear & quadratic sequences

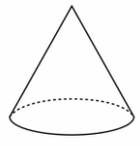
Year 10 Exams

Transformations

Constructions & loci

Functions, inverse functions & composite functions





Probability including independent and dependent events. Set notation with Venn

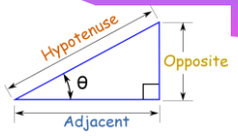
Surface area of spheres, cones, pyramids & prisms

Surds including brackets and rationalisation

Algebraic fractions including simplifying & equations

Changing the subject

Linear inequalities.



Inequalities & regions

Pythagoras & trigonometry including 3D and non calculator questions

y = mx + c

Parallel and perpendicular lines

Direct and inverse proportion with algebra. Ratio with algebra. Graphs of proportion

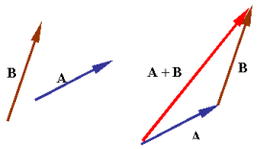
YEAR 10

Potteries Educational Trust

Year 11 Higher : Learning Journey

My Minimum Expected Grade -

Key:
Assessment



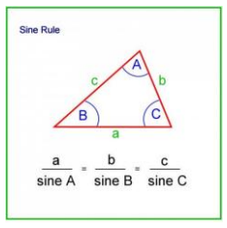
Mathematics Learning Journey

Future Pathways

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

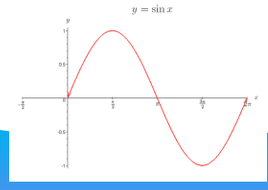
Iteration
Rearranging to find an iterative formula
Use iteration to solve equations

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

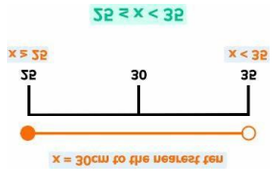


Trigonometry
Apply the Sine rule to non right angled triangles
Apply the Cosine rule to non right angled triangles
Use trig to find the area of a triangle

Mocks



Limits
Identify the upper and lower bounds of a value
Write error intervals
Calculate max and min possible answers using bounds



Graphs
Drawing and using graphs of 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 tangent to the circle

Inequalities
Solving Quadratic inequalities algebraically and graphically

YEAR 11

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