GEOMETRY AND MEASURE























YEAR 10 ROUTE A







YEAR 11 ROUTE A

- Perimeter of triangles, quadrilaterals and polygons (Yr7 AUT2, SPR 1)
- Awareness of Pi on a calculator (Yr 7 AUT1 YR8 SPR1)Area of 2D shapes and volume of 3d prisms Yr7 SPR1, Yr8 SPR1/2, YR9 SPR1)





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YEAR 10 ROUTE B





Recognise and construct a

circle on a coordinate

grid.

314

Find and give reasons for missing angles using multiple circle theorems.

<mark>ළ</mark> 593

Draw graphs based on circles and perpendiculars. 2, 594-602

Find the equation of a tangent to a circle.

Circles

Next steps:

Within Further Maths GCSE and A Level Maths you will use the general circle equation:

 $(x-a)^{2} + (y-b)^{2} = r^{2}$





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YEAR 11 ROUTE B



Discover more

- Metric conversion, including mm2 to cm2 and others. (YR7)
- Recall geometry facts for angles and sides of 2D shapes (YR7 SUM1)
- Using scale factors to enlarge 2D shapes. (YEAR 8 SUM2)
- Ratio, including 1:n and n:1. (YR8 AIT2)

- Similarity and congruence



- Using column vectors for translations (YR8 SPR1,
- Secure understanding of algebraic rules (YR9 SUM2)
- Applying Pythagoras' theorem.(YR9 SPR1)

Vector geometry

