

KS4 Learning Journey

GCSE Higher Tier – Year 11 Learning Cycle 2

Please watch the video on www.corbettmaths.com for each topic.

Other Graphs	Video number
Recognise and sketch cubic and reciprocal graphs	344
Recognise the equation of a circle including identifying its radius	12
Find the equation of a tangent to a circle at a given point	372

Sampling, Surveys & Time Series	Video number
Infer properties of populations or distributions from a sample, whilst knowing the limitations of sampling.	281a
Construct and interpret line graphs and time series graphs	382

Advanced 3D Shapes	Video number
Name common 3D shapes and their properties e.g. faces, vertices and edges	3,5
Know the definition of a prism	
Construct and interpret plans and elevations of 3D shapes	354
Calculate volume of prisms	356
Calculate the surface area of spheres, pyramids, cones and 3D shapes made from combinations of these shapes	313,314
Calculate the volume of spheres, pyramids and 3D shapes made from combinations of these shapes	359,360, 361

Algebraic Fractions	Video number
Simplifying algebraic fractions	24
Adding and subtracting algebraic fractions	21
Multiplying algebraic fractions	23
Dividing algebraic fractions	22

KS4 Glossary
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Other Graphs

Sampling, Surveys & Time Series
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Advanced 3D Shapes	
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Frustum	The portion of a cone or pyramid which remains after its upper part has been cut off by a plane parallel to its base.
Surface Area	The sum of areas of all faces of a 3D shape

Algebraic Fractions
