

KS4 Learning Journey
GCSE Foundation Tier – Year 11 Learning Cycle 1

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

Advanced Percentages	Video number
Solve reverse percentage problems	240
Solve growth and decay problems including compound interest	236

Sampling & Scatters	Video number
Infer properties of populations from a sample whilst knowing the limitations of sampling	282
Use statistics to describe a population	
Use and interpret scatter graphs	165,166
Recognise correlation and understand that it does not indicate causation	168
Draw lines of best fit and use them to make predictions	167

Simultaneous Equations	Video number
Solve simultaneous equations algebraically	295
Construct two simultaneous equations, solve them and interpret them	295
Find approximate solutions from a graph	297

Area & Volume	Video number
Area of triangles	49
Area of parallelograms	44
Area of trapezia	48
Area of circles	40
Identify properties of the faces, surfaces, edges and vertices of 3D shapes	5
Volume of cuboids	355
Volume of prisms	356
Volume of cylinders	357

Trigonometry	Video number
Use trigonometry to find lengths in right-angled triangles	330
Use trigonometry to find angles in right-angled triangles	331
Know the exact values of $\sin x$, $\cos x$ and $\tan x$ for $x = 0^\circ, 30^\circ, 45^\circ, 60^\circ$ and 90°	341

Standard Form	Video number
Write numbers in standard form	300
Add numbers given in standard form	301
Multiply numbers given in standard form	302
Divide numbers given in standard form	303

Inequalities	Video number
Interpret inequalities	176
Solve simple inequalities	178
Represent inequalities on a number line	177

KS4 Glossary
GCSE Foundation Tier – Year 11 Learning Cycle 1

Advanced Percentages

Sampling & Scatters	
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Correlation	Correlation measures the type and strength of the relationship between items of bivariate data.
Outlier	A value which is untypically small or large, when compared to the data as a whole, is an outlier.

Simultaneous Equations	
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Simultaneous Equations	Simultaneous equations are a system of equations with multiple unknowns which are to be found.
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Area & Volume

Trigonometry

Standard Form

Inequalities
