

KS4 Learning Journey
GCSE Foundation Tier – Year 11 Learning Cycle 3

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

Vectors	Video number
Add and subtract vectors	353
Multiply vectors by a scalar	
Represent vectors in diagrams and columns	353a

Advanced Equations & Inequalities	Video number
Solve linear equations where the unknown appears on both sides of the equation including those involving brackets	113
Use the symbols $=$, $\neq$, $<$, $>$, $\leq$, $\geq$	176
Solve linear inequalities where the unknown appears on both sides, with or without brackets	178, 179
Represent the solution set on a number line	177

Algebra Problems	Video number
Argue mathematically to show algebraic expressions are equivalent	
Use algebra to support and construct arguments to include proof	365

Proof	Video number
Apply angle facts, triangle congruence and similarity to obtain simple proofs	
Understand Pythagoras' theorem and the fact that the base angles of an isosceles triangle are equal, and use known results to obtain simple proofs	