KS3 Learning Journey
Core – Year 9 Learning Cycle 2

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

Topics	Video number
Transformations	
Translate a shape by a given vector.	325, 326
Reflect shapes in horizontal, vertical and diagonal mirror lines.	272, 273
Rotate shapes around a given point.	275
Enlarge shapes by positive integer and fractional scale factors.	104a, 107
Enlarge shapes by negative scale factors.	108
Describe transformations and combine transformations.	
Recognise points of invariance.	392
Non-calc ratio and proportion	
Use ratio notation, simplify ratio and identify equivalent ratio.	269, 271d
Write ratio in the form n:1 or 1:n.	271c
Convert between ratios, fractions and percentages.	269a
Share in a given ratio.	270
Solve problems where quantities are in direct proportion, including best buy scenarios.	254, 210
Solve inverse proportion problems and express ratio and proportion algebraically.	255
Angles and similarity Part 1	
Review of angle notation, angles on straight lines, in triangles, quadrilaterals and around parallel lines.	25, 30, 35, 37
Recognise and name polygons.	1
Calculate interior and exterior angles in polygons.	32