KS3 Learning Journey
Core – Year 8 Learning Cycle 2

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

Topics	Video number
Formulae	
Write a formula to describe a relationship between variables.	
Substitute positive and negative numbers into formulae.	20
Change the subject of a formula requiring one operation.	7
Work with formulae where the subject is squared or rooted. (E)	8
Change the subject of a formula requiring two operations.	7
Area and volume	
Review how to calculate the area of triangles, parallelograms and trapezia.	44, 48, 49
Write algebraic expressions for the area of shapes.	
Calculate the area of circles, semi-circles and quarter circles.	40, 47, 47a
Find the area of shaded regions and compound shapes.	41
Write expressions for the area of compound shapes.	
Recognise faces, vertices & edges.	5
Name 3D shapes and know the difference between a pyramid and prism.	3
Recognise and draw the nets of 3D shapes.	4
Calculate the surface area of cuboids.	310
Recognise units for volume and capacity.	349c
Calculate the volume of cuboids.	355
Calculate the volume of prisms and cylinders.	356, 357
Equations Part 1	
Review how to solve equations involving one operation.	110
Solve equations involving roots and indices.	