

Unit G2		Year 8 Road Map				
Area, perimeter and volume						
In this unit you will learn about Sequences						
S: Support						
C: Core						
E: Extension						
S/N	Differentiation	Learning Goals/Outcomes/Content	Dr Frost Video	R 	A 	G 
1	S	Identify the number of faces, edges and vertices of 3Ds (G1.1)	32			
2	S	Know how to draw Nets of 3Ds and use it to work out the surface area of 3Ds (G2.5, G3.5)	143			
3	S C	Draw 3Ds using isometric papers (G3.1,G5.2, G6.4)	229			
4	S C E	Calculate area and perimeter of rectangles, parallelograms, triangles and trapeziums (G4.2, G5.1)	79 138 139 140			
5	S C E	Calculate area of compound shapes made from rectangles, triangles, parallelograms and trapezia	181			
6	C E	Calculate the area and circumference of circular objects (G5.1, G6.4)	209 210			
7	S	Work out the volume of prisms by counting cubes (G4.2)	231a			
8	S C	Calculate the volume of cubes and cuboids (G4.2, G5.1)	145			
9	C E	Calculate the volume of prisms using the area of the cross section (G5.1, G5.2, G6.4)	231c			
10	C E	Work out the total surface area of prisms by using appropriate nets and sum of faces or any other approach (G4.2, G5.1, G5.2, G6.4)	232			
11	S C E	Solve variety of problems involving perimeter, area and volume (G5.2, FS6.6)	234 406			

Student's comments or questions