



Longfield Learning Journey



Key Stage 4 Foundation	Unit of work: Working in 3D – Unit 15	Term: 3.1		
Key Words:	Prerequisites	R	A	G
Length, area, volume, metric, cube, cuboid, prism, cone, cylinder, face, edge, vertices, sphere, prism, capacity, surface area, composite	Calculate the area of rectangles and triangles			
	Understand the circle definitions of diameter			
	Understands the circle definitions of circumference and radius.			

	Content: Working in 3D – Unit 15	R	A	G
	CORE EXTENTION			
G12	Identify properties of the faces, edges and vertices of cubes, cuboids, prisms, cylinders, pyramids, cones and spheres.			
G13	Construct and interpret plans and elevations of 3D shapes			
G16	Know and apply the formulae to calculate the volume of cubes and cuboids			
G16	Know and apply the formulae to calculate the volume of right angled prisms including cylinders			
G14	Use standard units of measure for volume, capacity and mass.			
G17	Calculate the surface area of cubes and cuboids			
G17	Know and apply the formulae for calculating the surface area of spheres, pyramids and cones			
G17	Calculate the surface area composite shapes			

K <i>What you know</i>	W <i>What you want to know</i>	L <i>What have you learned</i>