Open Awards Qualification Unit

This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Understanding and Using Shapes
Unit Reference Number:	R/503/9291
Level:	Level 1
Credit Value:	3
Minimum GLH:	27

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Identify the properties of 2D shapes	1.1 Use appropriate vocabulary related to shape. For example, side, angle, line of symmetry, length, width
	1.2 Identify a right angle as 90 degrees or a quarter turn
	1.3 Identify two right angles as 180 degrees or a half turn (or as making a straight line)
	1.4 Identify four right angles as 360 degrees or a full turn (or as a filling space)
	1.5 Identify the properties of the sides and angles of squares and rectangles
	1.6 Identify a line of symmetry as dividing a shape into two parts of equal size, one being the mirror image of the other
2. Use the properties of 2D shapes to solve practical problems	2.1 Identify through practical activities which regular shapes tessellate. For example, fit together without leaving a gap
	2.2 Plan a tiling pattern using squares and rectangles
	2.3 Draw 2D shapes in different orientations using grids. For example, to plan block paving for a drive or a path

3.	Understand and find the perimeters of simple shapes	3.1	Identify the perimeter of a shape as a length of its boundary
		3.2	Identify a perimeter as being measured in units of length
		3.3	Find perimeters of shape in different ways. For example, using paces, measuring tape, piece of string
		3.4	Find a simple formula in words for calculating the perimeter of rectangular shapes and check this by measuring
		3.5	Find the perimeters of rectangular shapes using a formula
		3.6	Draw different squares and rectangles with the same perimeter
4.	Understand area and find areas of rectangles	4.1	Recognise that area is a measure of surface by identifying uses
		4.2	Identify area as being measured in square units
		4.3	Read and write the common units of measure of area, in words and in other ways
		4.4	Find area of drawings on squared paper by counting squares
		4.5	Find areas of rectangular shapes identifying and using the formula, A=1xw (Area of rectangle = length x width)
		4.6	Identify appropriate measurements used to calculate area, recognising that measurements used must be in the same units
		4.7	Estimate areas of rectangular shapes
5.	Understand volume and find simple volumes such as of cuboids	5.1	Recognise that volume is a measure of space by identifying uses
		5.2	Identify volume as measured in cubic units
		5.3	Read and record common units of measure of volume
		5.4	Find the volume of a cuboid container by fitting cubes inside it
		5.5	Identify the three dimensions of a cuboid to calculate volume recognising that the measurements used in the formula must be in the same units
		5.6	Use the formula to calculate the volume of a

cuboid: V=1 x W x H (volume of a cuboid = length x width x height (depth)