Castlefield School- Maths					
Topic: Angles, 2D shapes, Position and Direction		Year: Four		Theme: Geometry	
Key concepts and questions	Ke			Key Vocabulary	
What are the properties of shapes?	vertical		horizontal	2D	3D
 Length of sides Size of angles Lines of symmetry Regular shapes have equal length sides and equal sized angles. How are coordinates read? Go along the horizontal axis, then up the vertical axis. In this example, the orange point is at (3,4). Always write coordinates as (_,_) How can movement on a grid be described? Moving points or a shape on a grid is called translation. The key words are: up, down, left and right. 	parallel		perpendicular	angle	Measurement of a turn. Acute, obtuse or a right angle.
	Symmetrical		When two or more parts are identical when	quadrilateral	4 sided 2D shape
				parallelogram	shape with parallel lines
		reflected.	coordinates	set of values to show an exact position on a grid	
	position		location of a poin	t	e.y. (2,3)
	x-axis		The horizontal axis.	y-axis	The vertical axis.
	Representations				
Making connections 2d shapes and coordinates Coordinates can be used to plot 2D shapes on a grid. 6 4 3 2 1 2 3 4 3 2 1 3 2 1 3 3 3 4 3 2 1 3 3 4 5 6 4 3 2 1 1 1 2 3 4 3 2 1 1 1 1 1 1 1 1	Angles Acute angle Symmetr Using a r in a shap A square has four lines of symmetry.	y nirror ca e. A rectangi two line symmet	ight Obtuse angle Obtuse angle angle on help find the lines is of is of irry. An equilateral triangle has three lines of symmetry.	Translation This shape has beer and 3 squares up. of symmetry sosceles le has one symmetry. A rhombus has two lines of symmetry.	n translated 4 squares right