River View Primary School		
Mathematics	**Year 6**	**Summer**

What will I know by the end of the unit?

Shape

Draw 2-D shapes using given dimensions and angles. Compare and classify geometric shapes based on their properties and sizes. Illustrate and name parts of a circle, including radius, diameter and circumference and know that the diameter is twice the radius. Recognise, describe and build simple 3-D shapes, including making nets. Find unknown angles in any triangles, regular quadrilaterals and regular polygons. Recognise angles where they meet at a point; are on a straight line or are vertically opposite and find missing angles.

Position and Direction

Describe positions on the full coordinate grid (all four quadrants). Draw and translate simple shapes on the coordinate plane and reflect them in the axes.

Technical Vocabulary	
regular shapes	shapes which have all equal sides and angles
irregular shapes	shapes which do not have all equal sides and angles
two-dimensional shape	flat figures with two-dimensions, such as length and width
three-dimensional shape	solids with three-dimensions, such as length, width and height
net	a term used to describe what a 3D shape would like if it was opened out and laid flat
angle	the number of degrees rotated around a point
acute	describes an angle between 0 and 90 degrees
obtuse	describes an angle between 90 and 180 degrees
reflex	describes an angle between 180 and 360 degrees
circumference	the distance around a circle
diameter	a straight line passing through the centre of a circle to touch both sides of the circumference
radius	half the length of the diameter
translation	when a shape is moved from one place to another by sliding it
reflection	a shape flipped over in a mirror line resulting in a mirror image