	Subject: Mathematics		
Theme / Area Covered	Transformations End Points		
	Age Related Targets – Year 7	Age Related Targets – Year 8	Age Related Targets – Year 9
Key Objectives / Learning Pathway **Emerging**	Use coordinates to describe the position of a point in all four quadrants	Use coordinates to plot the position of a point in any of the four quadrants Draw and translate simple shapes using vectors Carry out a reflection using one of the axes as a mirror line	Construct reflections in horizontal and vertical lines Construct rotations using a given angle, direction and centre of rotation
Key Objectives / Learning Pathway **Developing**	Use coordinates to plot the position of a point in any of the four quadrants Draw and translate simple shapes using vectors Carry out a reflection using one of the axes as a mirror line	Construct reflections in horizontal and vertical lines Construct rotations using a given angle, direction and centre of rotation	Describe reflections in horizontal and vertical lines Construct reflections in diagonal lines Write the equation of a line parallel to the x-axis or the y-axis Identify and draw the lines y = x and y = -x Describe rotations giving the angle, direction and centre of rotation Enlarge shapes by a given scale factor Solve multi-step problems involving more than one transformation
Key Objectives / Learning Pathway **Mastering**	Construct reflections in horizontal and vertical lines Construct rotations using a given angle, direction and centre of rotation	Describe reflections in horizontal and vertical lines Construct reflections in diagonal lines Write the equation of a line parallel to the x-axis or the y-axis Identify and draw the lines y = x and y = -x Describe rotations giving the angle, direction and centre of rotation Enlarge shapes by a given scale factor Solve multi-step problems involving more than one transformation	Enlarge shapes by a given scale factor from a centre of enlargement outside the shape
Key Objectives / Learning Pathway	Describe reflections in horizontal and vertical lines	Enlarge shapes by a given scale factor from a centre of enlargement outside the shape	N/A

Excelling	Construct reflections in diagonal lines Write the equation of a line parallel to the x-axis or the y-axis Identify and draw the lines y = x and y = -x Describe rotations giving the angle, direction and centre of rotation Enlarge shapes by a given scale factor Solve multi-step problems involving more than one transformation		