	YEAR 8 THRESHOLD CRITERIA- Cycle 3			
	MATHS			
	Unit 7	**Unit 8**	**Unit 9**	**Unit 10**
	Polygons and Angles	**Area**	**The Cartesian Grid**	**Linear Inequalities**
Excellent	Apply angle facts to calculate missing angles in complex problems Use angle facts to calculate the bearing between 2 points Decide if polygons tessellate	Work out the area of semi circles and quadrants Solve area problems in context	Identify equations of perpendicular lines Identify perpendicular lines from y=mx +c Write y=mx+c when given 2 points, or the gradient and 1 point on a line Work out distance and acceleration from velocity time graphs	Identify integer solutions to a system of linear inequalities on a Cartesian grid Use inequalities to represent real life problems
Proficient	Calculate interior and exterior angles in polygons Identify and calculate corresponding, alternate and co-interior angles Measure bearings between 2 points	Recall and use formula for area of circles	Calculate gradient of linear lines Use y intercept and gradient to write y=mx+c, sketch a graph using y=mx+c Identify equations of parallel lines Work out speed from distance time graphs	Represent solutions to inequalities using set notation Represent inequalities involving 2 variables on the cartesian grid
Developing	Identify different quadrilaterals based on side and angle properties Use angle facts relating to quadrilaterals Name polygons up to 12 sides Identify vertically opposite angles	Work out the area of compound shapes Work out the area of different quadrilaterals	Express additive and multiplicative relationships algebraically Fill in tables of values for two step equations Identify the y intercept for linear lines Interpret distance time graphs	Solve 2 step inequalities Represent inequalities on the cartesian grid such as x>4 and y<2
Acquiring	Explain what an angle is and identify different types of angles Identify different types of triangles and use angle facts relating to triangles Recall and use angle facts relating to straight lines and around points	Work out the area of rectangles and triangles Identify radius and diameter	Plot coordinates in all 4 quadrants Fill in tables of values for one step equations Plot pairs of coordinates to create linear lines	Understand inequality symbols Solve one step inequalities Represent inequalities on number lines