



MAGHULL HIGH SCHOOL – CURRICULUM MAP YEAR 7

HALF TERM 1 Jan - Feb	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
TOPIC (S)	Unit 7 - Angles	Unit 7 - Angles	Unit 8 – Classifying 2D Shapes	Unit 8 – Classifying 2D Shapes	Unit 9 - Constructing Triangles and Quadrilaterals	Unit 9 - Constructing Triangles and Quadrilaterals Assessment
Knowledge & Skills development	<p>Angles (4th – 8th January)</p> <ul style="list-style-type: none"> ● Draw and measure acute and obtuse angles reliable to the nearest degree ● Estimate the size of a given angle ● Know and use angle facts: angles at a point, angles at a point on a straight line, vertically opposite angles <p>Angles (11th – 15th January)</p> <ul style="list-style-type: none"> ● Generalisations and reasoning – e.g. going beyond two angles ● Define parallel and perpendicular lines ● Use angle facts around corresponding, alternate and co-interior angles to find missing angles ● Find unknown angles. Form algebraic expressions. Solve for unknowns on one side <p>Classifying 2D Shapes (18th – 22nd January)</p> <ul style="list-style-type: none"> ● Classifying polygons by symmetry, regularity, intersection of diagonals, number of parallel sides ● Classify triangles and quadrilaterals according to properties (angles, regularity, symmetry) ● Know and use the angle sum of triangles and quadrilaterals <p>Classifying 2D Shapes (25th – 29th January)</p> <ul style="list-style-type: none"> ● Generalise results for properties of special types of triangles and quadrilaterals ● Form and solve equations from contexts arising from properties of triangles and quadrilaterals <p>Constructing Triangles and Quadrilaterals (1st – 5th February)</p> <p>This unit involves students drawing and constructing triangles and quadrilaterals. In addition, there will be time allocated for a further analysis of their geometrical properties. Students will draw and measure angles within this context allowing them to practise the skills learned in the previous unit.</p> <p>the unit begins by introducing the anatomy of a circle. The minimum conditions for constructing triangles are explored and thereby informally introducing congruence.</p>					

	<p>Constructing Triangles and Quadrilaterals (8th – 12th February) An opportunity to further develop an understanding of properties of triangles and quadrilaterals.</p> <p>Assessment</p>					
Assessment / Feedback Opportunities	Retrieval Homework	Termly assessment	Speedy feedback for DIRT	Formative teacher assessment - verbal	Retrieval practice Warm Up	DFM Tasks
Cultural Capital	Real life application of angles and shapes					
SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect)	Use imagination and creativity to explore ideas whilst learning mathematics by identifying and patterns and rules to everyday problem solving. Understanding the consequences of actions (e.g. if you perform a particular action to one number, will the same outcome apply to other numbers?) Perseverance when struggling to answer questions, not being afraid to try.					
Reading opportunities	Murderous Maths by Poskitt Kjartan					
Key Vocabulary	Angle, turn, rotations, estimate, degrees, parallel, perpendicular, symmetry, intersections, diagonal, construction, triangle, quadrilateral, congruence...					
Digital Literacy	Dr Frost Maths, MS Teams					
Careers	Architect,					