



Teacher: _____

Class: _____

Year: _____

Term: Spring 2

Week Commencing: Week 3

Topic Geometry	NC Links: Pupils should be taught to: <ul style="list-style-type: none"> identify 3-D shapes, including cubes and other cuboids, from 2-D representations (Y5) use the properties of rectangles to deduce related facts and find missing lengths and angles (Y5) distinguish between regular and irregular polygons based on reasoning about equal sides and angles (Y5) <ul style="list-style-type: none"> draw 2-D shapes using given dimensions and angles (Y6) recognise, describe and build simple 3-D shapes, including making nets (Y6) compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons (Y6)
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Day	Mental/Oral Starter		Main Lesson				Plenary	Assessment
	Objectives	Activity	Objectives	Teaching	Activities	Key Vocabulary	Activity	
Mon	To be able to recall my 9x table and related division facts.	TMM	<u>L.O. To understand how to recognise, describe and classify 2D shapes.</u> <u>Success Criteria:</u> 1. I must be able to name triangles, polygons and quadrilaterals. 2. I should be able draw a shape accurately. 3. I could identify the properties of different shapes and describe them	Tell the children that this week we are going to be learning about geometry and the properties of shapes. Recap some terminology with the class. What is a polygon? What is the difference between regular and irregular? What is a quadrilateral? What are the different types of triangle and how do you know? Go through the features of different quadrilaterals	All children complete a differentiated sheet on 2D shapes. SEN – L.O.	Polygon Regular Irregular Triangle Quadrilateral Pentagon Hexagon Heptagon Octagon Nonagon Decagon Angles Sides 3D Faces Vertices Edges Nets Construct Visualise	Child teaches the rest of the class what they have learnt. White Rose Hub Maths Question.	Exceeding ARE: At ARE: Below ARE: SEND PPG EAL

			using subject specific vocabulary. Success Criteria	and polygons. Show the children some problem solving questions about the properties of triangles. White Rose Maths Hub/ No Problem!				
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Day	Mental/Oral Starter		Main Lesson				Plenary	Assessment
	Objectives	Activity	Objectives	Teaching	Activities	Key Vocabulary	Activity	
Tues	To be able to recall my 9x table and related division facts.	TMM	<u>L.O. To understand how to calculate unknown angles in shapes.</u> <u>Success Criteria:</u> 1. I must know the sum of angles on a straight line, in a turn and	Recap different shapes and their total angles (quadrilaterals, polygons and triangles). We can find missing angles if we know the total number of degrees. Show examples. Talk about opposite angles being the same. Show examples of angles around a point and on a 180 degree line. http://study.com/academy/lesson/vertical-angles-complementary-angles-definition-examples.html White Rose Maths Hub Examples to check understanding.	LA – Year 6 Target Your Maths, p. 113, Section A. MA – Year 6 Target Your Maths, p. 113, Section B. HA – Year 6 Target Your Maths, p. 113, Section C. <u>SEN – To learn how to draw 2D shapes.</u>	Parallel, perpendicular, regular, irregular, face, edge, vertices, vertex, polyhedron, quadrilateral, triangle, 2D, 3D, diagonal, obtuse, acute, right angle reflex corresponding supplementary complementary	White Rose Hub Maths Question.	Exceeding ARE: At ARE: Below ARE: SEND

			<p>inside a shape.</p> <p>2. I should be able to use my addition skills to work out the sum of the given angles.</p> <p>I could subtract the amount of the given angles from the total sum of the interior angles to calculate the missing one.</p> <p><u>Success Criteria</u></p>		<p>Mrs Cannon to give OS different 2D shapes to draw and for him to draw them (no measurements given).</p> <p>Will need 2D shapes to support.</p> <p>SEN – <u>L.O.</u></p>	<p>opposite adjacent intersect</p>		<p>PPG</p> <p>EAL</p>
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	Objectives	Activity	Objectives	Teaching	Activities	Key Vocabulary	Activity	
Wed	To be able to recall my 9x table and related division facts.	TMM	<p><u>L.O. To understand how to recognise, describe and classify 3D shapes.</u></p> <p><u>Success Criteria:</u></p> <ol style="list-style-type: none"> 1. I must know the meaning of face, edges, and vertices. 2. I should be able to identify how many faces, edges and vertices each 3D shape has. 3. I could name all 3D shapes and explain their properties using the correct vocabulary. <p><u>Success Criteria</u></p>	<p>Recap what we learnt yesterday and children respond /reflect on feedback.</p> <p>Ask the children, what kind of things could you talk about when describing a 3D shape? Explain the vocabulary: faces, edges and vertices. Go through each of the 3D shapes, ensuring that children remember the name and discuss how many faces, edges and vertices each one has.</p> <p>White Rose Maths Hub Question.</p>	<p>Children complete differentiated sheets on classifying 3D shapes.</p> <p>SEN – L.O.</p>	<p>Polygon Regular Irregular Triangle Quadrilateral Pentagon Hexagon Heptagon Octagon Nonagon Decagon Angles Sides 3D Faces Vertices Edges Nets Construct Visualise</p>	<p>White Rose Hub Maths Question.</p>	<p>Exceeding ARE:</p> <p>At ARE:</p> <p>Below ARE:</p> <p>SEND</p> <p>PPG</p> <p>EAL</p>

Day	Mental/Oral Starter		Main Lesson				Plenary	Assessment
	Objectives	Activity	Objectives	Teaching	Activities	Key Vocabulary	Activity	
Thurs	To be able to recall my 9x table and related division facts.	TMM	<p><u>L.O. To understand how to recognise, describe and construct 3D shapes using nets.</u></p> <p><u>Success Criteria:</u></p> <ol style="list-style-type: none"> I must know how many faces 3D shapes have. I should be able to visualise nets and decide whether they would make a cube/cuboid. I could visualise nets for more complicated 3D shapes. <p><u>Success Criteria</u></p>	<p>Recap what we have learnt about 3D shapes so far. What is a net? Go through some nets with the children. Do they make a cube? What 3D shapes do they make?</p> <p>White Rose Maths Hub Question.</p>	<p>LA – Year 6 Target Your Maths, p. 126 Section A.</p> <p>MA – Year 6 Target Your Maths, p. 127 Section B.</p> <p>HA – Year 6 Target Your Maths, p. 127 Section C.</p> <p>SEN – L.O.</p>	<p>Polygon Regular Irregular Triangle Quadrilateral Pentagon Hexagon Heptagon Octagon Nonagon Decagon Angles Sides 3D Faces Vertices Edges Nets Construct Visualise</p>	White Rose Hub Maths Question.	<p>Exceeding ARE:</p> <p>At ARE:</p> <p>Below ARE:</p> <p>SEND</p> <p>PPG</p> <p>EAL</p>

