



Crosby Primary School

Mathematics Medium Term Plan Year 4 Summer Term

Unit 5 Shape (2 Weeks)

National Curriculum

- Identify acute and obtuse angles and compare and order angles up to two right angles by size.
- Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.
- Identify lines of symmetry in 2D shapes presented in different orientations.
- Complete a simple symmetric figure with respect to a specific line of symmetry

Ready to Progress

- 4G-2 Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal and the angles are equal. Find the perimeter of regular and irregular polygons.
- 4G-3 Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry.

Concept Sequence

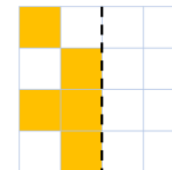
- Understand angles as turns – recap full, half and quarter turns, clockwise and anti-clockwise. Link to clocks and compass points.
- Identify angles – introduce acute and obtuse angles, relate to right angles.
- Compare and order angles – use different representations including shapes.
- Triangles – scalene, right-angled, equilateral, isosceles – classify re. lines and angles. Show in non-standard orientations.
- Quadrilaterals – squares, rectangles, parallelogram, trapezium, kite, rhombus – similarities and differences. Draw accurately. Show in non-standard orientations.
- Polygons
- Lines of symmetry – different orientations. Note shape maybe symmetrical but if pattern isn't then whole diagram isn't.
- Complete a symmetric figure

New Vocabulary

Shape, pattern, flat, curved, straight, round, solid
 Rectangle, square, circle, triangle
 Side, Face, edge, vertex, vertices, apex, surface
 Rectangular, circular, triangular
 Pentagon, hexagon, octagon
 Quadrilateral, kite, trapezium, parallelogram, rhombus
 Line of symmetry, symmetrical, symmetrical pattern
 Whole turn, half turn, quarter turn, three-quarter turn
 Clockwise, anti-clockwise
 Right angle, Right angled
 Horizontal, vertical, straight line, diagonal, parallel, perpendicular

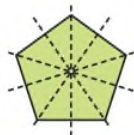
New Vocabulary

Polygon – regular and irregular
 Isosceles, scalene, equilateral, right-angled triangle
 Acute and obtuse angles



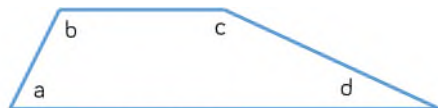
Times Tables

- Revise all times tables.



Ready to Progress

- 4NF-1 Recall multiplication and division facts up to 12x12, and recognise products in multiplication tables as multiples of the corresponding number
- 4MD-2 Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication.
- 4MD-3 Understand and apply the distributive property of multiplication



Angle ____ is smaller than angle ____.
 Angle ____ is larger than angle ____.

Planning Links

White Rose Scheme of Work:
<https://assets.whiterosemaths.com/new-schemes/Year%204%20Summer%20Block%204%20SOL%20Shape.pdf>
 Power Maths, White Rose, Maths No Problem, Aspire Maths

Use the labels to describe the properties of the shapes.

Resources

2D Shapes, 3D Shapes, Hoops, Mirrors, tracing paper, geoboards/elastic bands, dotted/squared paper, objects, Venn diagrams, Straws/Lolly sticks
 Gordons Maths Games, Mathletics, TTRockstars
 BBC Super Movers
<https://www.bbc.co.uk/teach/supermovers/ks2-collection/zr4ky9q>

Match the pictures, descriptions and types of angles.

