<u>Learning Aim (WALT)</u>	<u>Activities</u>	Learning Outcome (WILF)
Identify 2D Shapes and their Properties	 10Ticks L3-6 p26-29 10ticks L4-8 p3-5 10Ticks L6-5 p27-38, 39-42 Home Learning Y2 Shapes Booklet p2-4 Home Learning Yr 3 shape (parallel and perpendicular) (2d shape draw) MyMaths (shape) – 2D & 3D shapes (describing corners, triangles, 2D shapes, lines & quadrilaterals) 	 Recognise and name - squares, rectangles, triangles, circles (E1) Recognise and name - pentagon, hexagon, octagon, triangle, right angled triangle (E2) Describe properties using <i>edges, vertices, straight, curved</i> (E2) Identify polygons to 10 sides (E3) Identify different types of triangles and quadrilaterals (E3) Compare polygons by their properties (L1)
Identify 3D Shapes and their Properties	 10Ticks L3-6 p31,32 10Ticks L4-8 p21-25 10Ticks L5-6 p31-34 10Ticks L6-2 p37-42 Home Learning Y2 Shapes Booklet p5-6 Home Learning Yr 3 shape (3D shape activity) MyMaths (shape) – 2D & 3D shapes (3D shapes, Nets, plans & elevations) 	 Recognise and name – cubes (E1) Recognise and name – cuboids, pyramids, spheres (E2) Describe the properties of solids using edges, vertices and faces (E2) Recognise and name prisms, cylinders, cones (E3) Recognise and draw nets of cubes and cuboids (E3) Construct and read plans/elevations for 3D shapes (L1)
Compare shapes and sort according to features	 10Ticks L3-6 p46 10Ticks L4-8 p21-25 10Ticks L7-5 p11-14, 23-28 Home Learning Y2 Shapes Booklet p7-9 MyMaths (shape) – 2D & 3D shapes (congruent triangles, 2D what am I?, 3D what am I?) 	 Compare and order a group of objects or pictures of similar and congruent shapes (E1) Use big, large, thin, narrow, wide, long, short to describe and compare shapes (E1) Compare properties of shapes (E2) Compare lines and shapes using horizontal, vertical, parallel (E3) Analyse congruent and similar shapes (L1)

ACP Learning Outline - Mathematics

Use and understand positional vocabulary	 10Ticks L3-6 p37-39, 47, 48 10Ticks L4-7 p 3-10, 15-19 Home Learning Yr 3 shape (right angles) (angle less than more than activity) MyMaths (shape) – Angles (position & turning, angles 2, angles 3, measuring angles) 	 Use left, right, between, inside, outside, middle, below, under, above, on top to describe position (E1) Understand angle as a measure of turn – quarter, half, three quarter, whole, clockwise, anti-clockwise (E2) Use N S E W to give directions or position on a map (E3) Identify angles smaller than and larger than a right angle (E3) Identify angles using degrees (L1)
Angle Rules	 MyMaths (Shape) – Angles (angle sums, angle reasoning, angles in parallel lines, interior exterior angles, sum of angle in polygon, bearings) MyMaths (Shape) – circle theorems (circle theorems) 10Ticks L4-7 p17-18 10Ticks L5-3 p3-6, 12,16, 17-22, 27 10Ticks L6-2 p23-26, 27-36 10Ticks L6-5 p27-30 	 Classify angles by type (E3) Identify angles using rules for shapes and parallel lines (L1) Solve problems involving angles (L1) Apply angle facts to bearings (L1) Identify and use circle theorems (L2)
Using Coordinates	 10Ticks L3-6 p47 10Ticks L4-7 pages 11-14, 19-24, 27,28 MyMaths (algebra) – Coordinates (Coordinates 1, 2, midpoint 1,2) 	 Denote the position of a point on a grid by its coordinates (E3) Identify a point or item by its coordinates (E3) Apply coordinate skills to map references (E3) Plot and read coordinates in all 4 sectors (L1) Calculate midpoint of a line graphically (L1) Calculate midpoint of a line (L2)

ACP Learning Outline - Mathematics

Symmetry and transformations	 Selection of road signs to complete or identify line of symmetry on. 10Ticks L3-6 p33-36 10Ticks L4-7 pages 29-36 10Ticks L4-8 p29 10Ticks L5-4 p31-35 10Ticks L6-2 p3-10, 11,12, 13-16, 17-22 10Ticks L6-8 p17-22 10Ticks L7-4 p31-42 MyMaths (shape) – Symmetry (symmetry, lines of symmetry, rotation symmetry) MyMaths (shape) – Transformations (translating, reflecting, rotating, enlarging) 	 Create tessellations by repeated drawing of simple shapes (E1) Create reflections using lines of symmetry (E2) Draw lines of symmetry on shapes or pictures (E3) Describe and Demonstrate simple transformations (L1)
Pythagoras and Trigonometry (GCSE Only – grades 4/5)	• 10Ticks L7-2 p3-12 • 10Ticks L7-5 p29-42	 Identify sides of triangles using adjacent, opposite, hypotenuse (L1) Calculate value of missing side given the 2 other sides in right angled triangles (L2) Calculate value of missing sides given 1 side and 1 angle in right angled triangles (L2) Calculate value of missing angle given 2 sides in right angled triangles (L1) Calculate values of missing sides and angles in non-right-angled triangles (L2)
Progress Check	 Reviewing progress activities – complete the appropriate tasks below - mark and record score – gap analysis for topics (RAG) ready for when we return and review the learning area in subsequent years. GCSE 1-2 & Entry Level – Geometry – complete assignment paper A - GCSE 3-5 & Functional Skills a) 2D representations of 3D – nets, plans & elevations b) Angles – 1,2,3, parallel lines, polygons , bearings c) Properties of polygons g) Trigonometry – grade 4/5 g) Trigonometry – grade 5/6 d) Transformations – symmetry, reflection, rotation, enlargement, translation 	