

Shape, Space and Measures Long Term Plan - Year 4

Week	Topic	Objectives	Vocabulary	Things to revisit
1,2,3,4, 15 - 12 and 24 hour clocks 12, 13, 14 Estimate, compare and calc 16, 17 Converting between units 34,38 Revision	Measure - time 12/24 hour clock Consolidation from Year 3	Tell and write the time from analogue and 12 and 24 hour clocks (year 3) Read, write and convert time between analogue and digital 12- and 24-hour clocks Convert between different units of measure (hour to minutes etc) Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. Estimate, compare and calculate different measures	days of the week; months of the year; seasons; fortnight; month; year; leap year; century; calendar; date; morning; afternoon; evening; night; am; pm; noon; midnight; today; yesterday; tomorrow; before; after; next; last; now; soon; early; late; quick; quicker; quickest; quickly; fast; fastest; faster; slow; slower; slowest; old; older; oldest; new; newer; newest; takes longer; takes less time; how long ago?; how long will it be to?; how long will it take to?; timetable; arrive; depart; hour; minute; second; watch; hands; digital; analogue; 24-hour; 12-hour; numerals	
5,6,7, 29,30	Shape angles	Identify acute and obtuse angles and compare and order angles up to two right angles by size	two-dimensional; three dimensional; equilateral; isosceles; scalene; rhombus; parallelogram; trapezium; radius; diameter; circumference; right angle; acute; obtuse	
8,9 Length and distance 27 Weight 28 Volume 35,36 Revision	Measure converting measures	Convert between different units of measure [for example, kilometre to metre; hour to minute] Estimate, compare and calculate different measures	measurement; convert; standard unit; unit; metric; scale; nearly; roughly; approximately; length; width; height; depth; breadth; wide; narrow; furthest; nearest; distance; perimeter; kilometre; metre; centimetre; millimetre; mass; weight; balances; kilogram; half-kilogram; scales; capacity; holds; contains; full; empty; litre; half-litre; millilitre; pint; gallon; measuring cylinder;	
10,11 Triangles 20, 21 Quadrilaterals 24,25 Symmetry 26, 31, 37 Revision	Shape quadrilaterals and triangles symmetry	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes (names and properties of quadrilaterals and triangles important to emphasise) Identify lines of symmetry in 2-D shapes presented in different orientations Complete a simple symmetric figure with respect to a specific line of symmetry.	two-dimensional; three dimensional; equilateral; isosceles; scalene; rhombus; parallelogram; trapezium; draw; sketch; vertices; regular; irregular; two-dimensional; three dimensional; equilateral; isosceles; scalene; rhombus; parallelogram; trapezium; regular; irregular; symmetrical; reflective symmetry; line symmetry; translation; repeating pattern;	
18,19, 32	Position/direction co-ordinates plotting co-ordinates to draw shapes on a grid	describe positions on a 2-D grid as coordinates in the first quadrant plot specified points and draw sides to complete a given polygon.	Over, underneath, above, below, top, bottom, side, out, in, outside, inside, around, in front, behind, before, after, beside, next to, opposite, apart, between, middle, edge, centre, corner, direction, journey, route, map, plan, higher, lower, sideways, across, close, far, near, along, through, to, from, towards, away, ascend, descend, grid, row, column, origin, coordinates; horizontal; vertical; diagonal; parallel; perpendicular; x axis; y axis;	
22,23, 33	Position/direction translation	describe movements between positions as translations of a given unit to the left/right and up/down	Over, underneath, above, below, top, bottom, side, out, in, outside, inside, around, in front, behind, before, after, beside, next to, opposite, apart, between, middle, edge, centre, corner, direction, journey, route, map, plan, higher, lower, sideways, across, close, far, near, along, through, to, from, towards, away, ascend, descend, grid, row, column, origin, coordinates, clockwise, anti-clockwise; compass point; north; south; east; west; horizontal; vertical; diagonal; parallel; x axis; y axis; quadrant; movement; congruent	