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| **Unit G4****Transformation of shapes** | **Year 7 Road Map** |
| In this unit you will learn about geometry. **S**: Support**C**: Core**E**: Extension |  |
| **Differentiation** | **Learning Goals/Outcomes/Content** |  |  |  |
| S  | Draw and interpret Lines of symmetry (G1.2, G2.3, G3.3) |  |  |  |
| S C E | Know how to work out the order of a rotational symmetry (G3.3) |  |  |  |
| S C E | Draw and work out the number of the planes of symmetry a given 3D has (G5.3) |  |  |  |
| S C E | Draw plan and front and side elevations of a given 3D shape (G5.2, G6.4) |  |  |  |
|  C E | Know how to draw 3D from its plan, front and side elevations (G5.2, G6.4) |  |  |  |
| S C E | Understand congruent shapes and use its key characteristic to identify congruent shapes (G4.1, G6.1) |  |  |  |
| S C E | Understand similar shapes and use its key characteristics to work out missing sides of similar shapes (G6.1) |  |  |  |
| S C E | Draw reflection given mirror line(s) and describe a drawn reflection (G3.3, G4.3) |  |  |  |
|  C E | Draw and interpret rotation (G3.3, G4.3, G5.3, G6.3) |  |  |  |
|  C E | Draw and interpret translation (G3.3, G4.3, G5.3) |  |  |  |
| S C E | Enlarge shapes with only scale factors (without a specified centre). (G4.3, G5.3, G6.3) |  |  |  |
|  C E | Enlarge shapes given both an integer scale factor and the centre (G4.3, G5.3, G6.3) |  |  |  |
|  C E | Perform and interpret combined transformation of shapes (G4.3, G5.3, G6.3) |  |  |  |
| S C E | Using ICT to explore transformation (G4.3) |  |  |  |
| S C E | Solve variety of unstructured problem involving transformation of shapes (G5.3) |  |  |  |