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| **Unit G4**  **Transformation of shapes** | **Year 8 Road Map** | | | |
| In this unit you will learn about geometry.  **S**: Support  **C**: Core  **E**: Extension |  | | | |
| **Differentiation** | **Learning Goals/Outcomes/Content** |  |  |  |
| S | Know how to draw a 3D shape from its plan, front and side elevations |  |  |  |
| S | Understand congruent shapes and use its key characteristic to identify congruent shapes |  |  |  |
| C E | Understand similar shapes and use its essential characteristics to work out missing sides of similar shapes |  |  |  |
| S C E | Draw reflection given mirror line(s) and describe a drawn reflection |  |  |  |
| S C E | Draw and interpret rotation |  |  |  |
| S C E | Draw and interpret translation |  |  |  |
| C E | Enlarge shapes with only scale factors (without a specified centre). |  |  |  |
| E | Enlarge shapes given both an integer scale factor and the centre |  |  |  |
| E | Enlarge shapes given the centre and fractional scale factors |  |  |  |
| S C E | Perform and interpret the combined transformation of shapes |  |  |  |
| S C E | Using ICT to explore the transformation |  |  |  |
| S C E | Solve a variety of unstructured problem involving the transformation of shapes |  |  |  |