|  |  |
| --- | --- |
| **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 |  |  |  |