|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Unit G4**  **Transformation of shapes** | | **Year 8 Road Map** | | | | |
| In this unit you will learn about Sequences  **S**: Support  **C**: Core  **E**: Extension | | | | | | |
| **S/N** | **Differentiation** | **Learning Goals/Outcomes/Content** | **Mathswatch Clip** | **R** | **A** | **G** |
| 1 | S | Know how to draw a 3D shape from its plan, front and side elevations | 51 |  |  |  |
| 2 | S | Understand congruent shapes and use its key characteristic to identify congruent shapes | G31  12b  166 |  |  |  |
| 3 | C E | Understand similar shapes and use its essential characteristics to work out missing sides of similar shapes | R10  144 |  |  |  |
| 4 | S C E | Draw reflection given mirror line(s) and describe a drawn reflection | G4  48 |  |  |  |
| 5 | S C E | Draw and interpret rotation | G6  49 |  |  |  |
| 6 | S C E | Draw and interpret translation | G5  50 |  |  |  |
| 7 | C E | Enlarge shapes with only scale factors (without a specified centre). | G28 |  |  |  |
| 8 | E | Enlarge shapes given both an integer scale factor and the centre | 148 |  |  |  |
| 9 | E | Enlarge shapes given the centre and fractional scale factors | G34 |  |  |  |
| 10 | S C E | Perform and interpret the combined transformation of shapes | 182 |  |  |  |
| 11 | S C E | Using ICT to explore the transformation |  |  |  |  |
| 12 | S C E | Solve a variety of unstructured problem involving the transformation of shapes |  |  |  |  |

Student’s comments or questions