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| **Unit G2**  **Area, perimeter and volume** | **Year 8 Road Map** | | | |
| In this unit you will learn about measures.  **S**: Support  **C**: Core  **E**: Extension |  | | | |
| **Differentiation** | **Learning Goals/Outcomes/Content** |  |  |  |
| S | Identify the number of faces, edges and vertices of 3Ds (G1.1) |  |  |  |
| S | Know how to draw Nets of 3Ds and use it to work out the surface area of 3Ds (G2.5, G3.5) |  |  |  |
| S C | Draw 3Ds using isometric papers (G3.1,G5.2, G6.4) |  |  |  |
| S C E | Calculate area and perimeter of rectangles, parallelograms, triangles and trapeziums (G4.2, G5.1) |  |  |  |
| S C E | Calculate area of compound shapes made from rectangles, triangles, parallelograms and trapezia |  |  |  |
| C E | Calculate the area of area and circumference of circular objects (G5.1, G6.4) |  |  |  |
| S | Work out the volume of prisms by counting cubes (G4.2) |  |  |  |
| S C | Calculate the volume of cubes and cuboids (G4.2, G5.1) |  |  |  |
| C E | Calculate the volume of prisms using the area of the cross section (G5.1, G5.2, G6.4) |  |  |  |
| C E | Work out the total surface area of prisms by using appropriate nets and sum of faces or any other approach (G4.2, G5.1, G5.2, G6.4) |  |  |  |
| S C E | Solve variety of problems involving perimeter, area and volume (G5.2, FS6.6) |  |  |  |