## 3D objects

## Tec．Graphics

# Apply the knowledge and skills of drawing needed to understand the design and construction of 3D objects 

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Date Commenced: ©D(MM)/ソソ
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## Learning Targets－This has been demonstrated by your ability to：

1 Recognise the following 3D shapes from your environment：sphere， cube，cuboid，cone
2 Give examples of the above 3D shapes from the environment
3 Recognise the following 3D shapes：square－based，triangular－based and polygonal pyramids and prisms
4 Recognise and copy simple isometric objects made up of cubes and cuboids under direct teacher guidance$\bigcirc$
5 Estimate and measure a small 3D object with rectangular sides and record measurements on a given 3D drawing
6 Dismantle a cardboard container to show the shape of its construction


7 Understand an exploded view of a container
8 Draw and construct a simple 3D container from a given development drawing containing dimensions，using paper or card
9 Understand plan and front elevation of a simple object by reference to a 3D solid


10 Demonstrate an understanding of plan and front elevation of a simple object by colouring surfaces on given isometric drawings$\bigcirc$

11 Draw a plan and front elevation of a simple everyday solid and insert dimensions


12 Understand the following terms：elevation，isometric，development， envelopment


13 Follow a simple design brief to draw and construct a simple container from card，plastic，metal，or wood


