# **Bear Box**

### Approach: Station

*Focus*: Designing and drawing a box for a teddy bear. *Resources*: Teddy bear, pencil, rubber, 30cm ruler, instruction card.

## Questions/instructions:

In this activity you are going to draw a plan of a box that would be suitable for this teddy bear.

#### Show a teddy bear.

The box needs to be suitable for sending the teddy bear in the post to someone.

## The teddy bear would be lying flat in the box.

I'll give you an instruction card which tells you what to do. This is what the instructions say ...

Read instruction card to students before handing out the supplies.

# Bear Box

The card shows a 3D plan of a box for a mug. You are going to draw a box for the teddy bear.

Have a good look at the teddy bear. It is going to be posted to someone in a box. Teddy bear would be lying flat in the box.

 Draw a 3D plan of a rectangular box for the teddy bear.
Make the box about the right size for the teddy bear — not too big, and not too small.
Write in measurements on your plan to show how long, wide and high it will be.
Show how and where the box opens.
Show what the box is made from.

Someone else should be able to make this box by using your plan.

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	Plan of a box for a mug.



drawing looks like 3-D box		onses
drawing shows three faces meeting	y4	<b>y8</b>
in one corner of the box	63	87
it looks like an object where all faces		
are rectangular and meet at right angles		86
dotted lines for hidden edges		35
non-parallel (converging) lines		
used to create 3D perspective	5	19
measurements		
length, width and height		74
2 of 3		22
1 of 3	6	1
no relevant measurements	16	3
used recognisable units for all measurements		91

#### Commentary:

On average, about 20 percent more year 8 than year 4 students succeeded with the main elements of this task.

# EMIP

Level: Year 4 and year 8

# Chapter 4: Technological Capability

# YEAR 8 — HIGH





## YEAR 4 — HIGH



YEAR 8 — MID





