

Design Brief

Plan and draw your idea

engineering

What you need: Investigation Journal Design Brief page · coloured pencils or crayons · sample materials trays (card offcuts, paper cups, sticky tape, fabric scraps, lolly sticks, string or wool, small box pieces) · soft-cover book and a few crayons for the hook · board word bank (base, stand, basket, handle, card, tape)

Words to use

Design drawing · Label

The problem

Someone needs a simple desk helper at school: either a stand-up book prop so a book stays open, or a small basket that catches crayons before they roll onto the floor.

Who is it for?

a friend or classmate who needs this helper

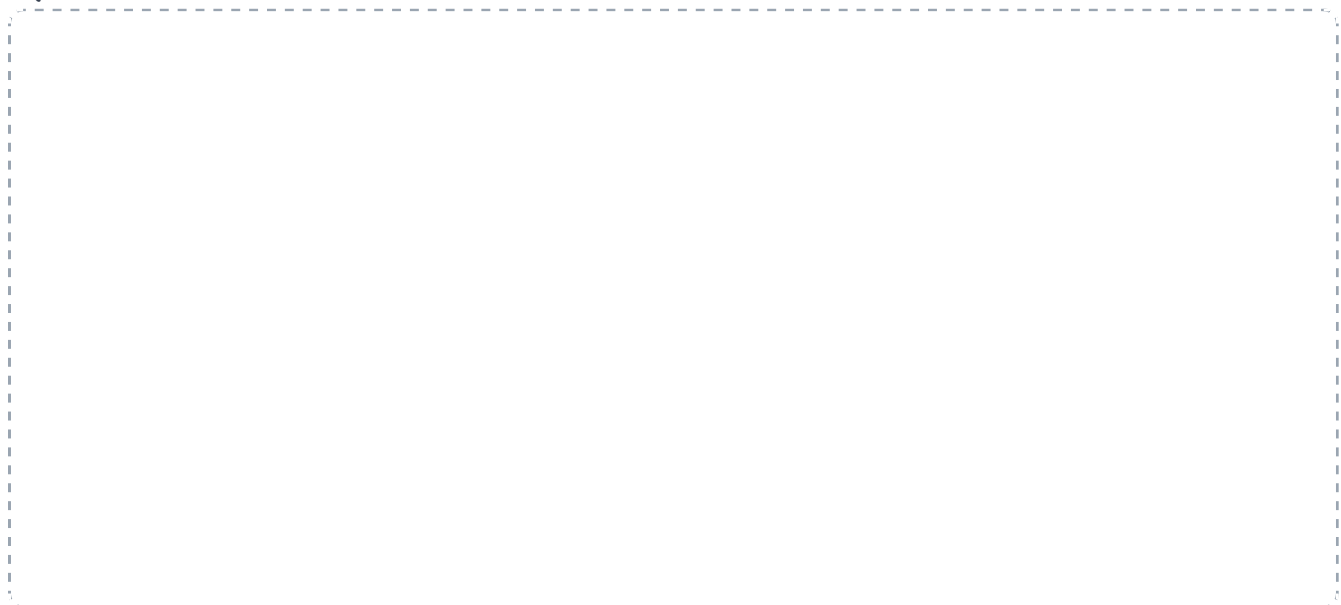
Their one real need

What it must do, and must NOT do

Choose only one helper: book prop or crayon basket · Draw the helper large enough to show the parts · Label at least two parts · Name who it is for · Name two materials you would use · Plan and draw only today; do not build the helper yet

Risks and limits we noticed

My first ideas – draw and label them





Lesson 32

Check your drawing shows

Who is your helper for? • Which helper will you design: book prop or crayon basket? • Draw your idea big on your Design Brief page • Label at least two parts • Handle your table tray, then name two materials you would use

What I will use

card offcuts • paper cups • sticky tape • fabric scraps • lolly sticks • string or wool • small box pieces

We will know it works when...

The drawing shows the whole helper • At least two parts are labelled • Who it is for is named • Two materials are named

