

Lesson 33 **Design Brief****Define and Plan the Build**

engineering

What you need: DesignBrief page (Investigation Journal) · 30 cm rulers · tape measures · sketch paper and pencils · assorted junk-modelling materials to choose from (cardboard tubes, boxes, paper strips, split pins, string, lolly sticks) · labelled trays or bags to store each group's plan and materials

Words to use

User need · Success criteria · Design Brief

The problem

Turn your user's small real problem into a clear need and a set of success criteria you can check.

Who is it for?

Their one real need

What it must do, and must NOT do

Must use only materials an ordinary classroom can gather · Must fit the space or the user you described

Risks and limits we noticed

My first ideas – draw and label them



Lesson 33

Our measurements, in centimetres



You may use

sketch paper · pencils · the notes your group made about your user



What we will use, and how many



We will know it works when...

The group states the user need in one clear sentence • The group agrees three or four success criteria that can each be checked with a ruler, a count, or a yes/no

