

Lesson 32 **Design Brief**

Irish Engineering and a Problem to Solve

engineering

What you need: card strips (about 30 cm long) · heavy books to hold the arch feet · small weights (coins or metal washers) · clipboards · Irish engineering images for the IWB (arch bridge, wind farm, greenway) · Design Brief page

Words to use

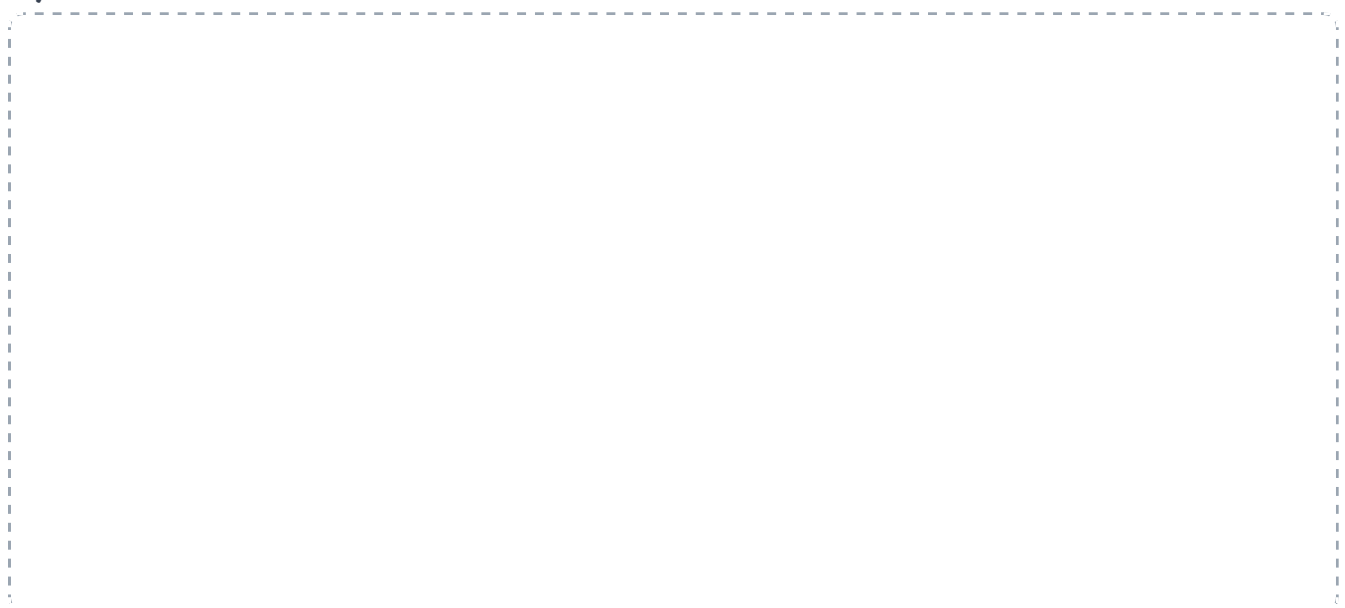
Engineer · Arch · User need · Success criteria

The problem

The real local problem your group found on the walk

Who is it for?**Their one real need****What it must do, and must NOT do**

It must fit the space you found · It must be safe for other pupils · It can only use materials we could realistically get

Risks and limits we noticed**My first ideas – draw and label them**



Lesson 32

What I will use

Design Brief page · pencils · sketch paper



We will know it works when...

Your group can name what a good solution must do • You can say how you would test it later

