Part 1: Design briefs

Why do friends come to stop over just when everyone else is at home?

Why does back-garden baseball have to stop when evening comes?
Each illustration shows a problem situation.

Each caption highlights possible needs; wants or likes.

1. With a partner or in a group of three, talk about each situation shown. Discuss some of the possible needs; wants and likes of each situation.

2. For each situation, agree (a) a closed brief and (b) an open brief.

3. For each situation, write in your workbook the agreed closed brief and open brief.

Further/homework

1. Choose one of the open briefs you have agreed.

2. Break this down into as many closed briefs as you can.

3. Write these down.
Part 2: Specifications

Brief 1: Design and make a plaited and coiled straw Easter bonnet for a 4 year-old.

Brief 2: Design and make a fabric roll for storing and carrying spanners

Brief 3: Design and make an affordable shelter for homeless people

Downloaded from www.secondarydandt.org – the website of Nuffield Design & Technology
Each illustration shows a product designed to meet the need stated in the brief.

1. Think about each product and design brief carefully.
2. Write a performance specification for each one in your workbook. Use sketches where these help explain your points.
3. Your specification should:
   - describe what the product has to do;
   - describe what the product should look like;
   - state any other requirements that need to be met - how the product should work, manufacturing methods, materials, ergonomic/environmental/legal requirements, etc.
4. Sketch a further product to meet the need in one of the design briefs.
5. Write a performance specification for your solution.

Further/homework

Using your sketch and performance specification from Part 2, for each one develop more detailed sketch drawings of parts of your product. Add notes to show how these details might help meet the specification points.