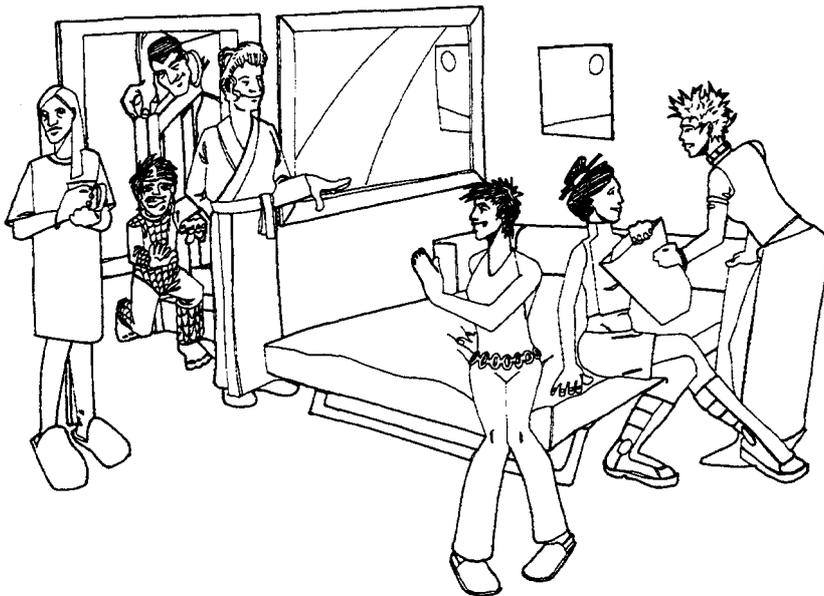
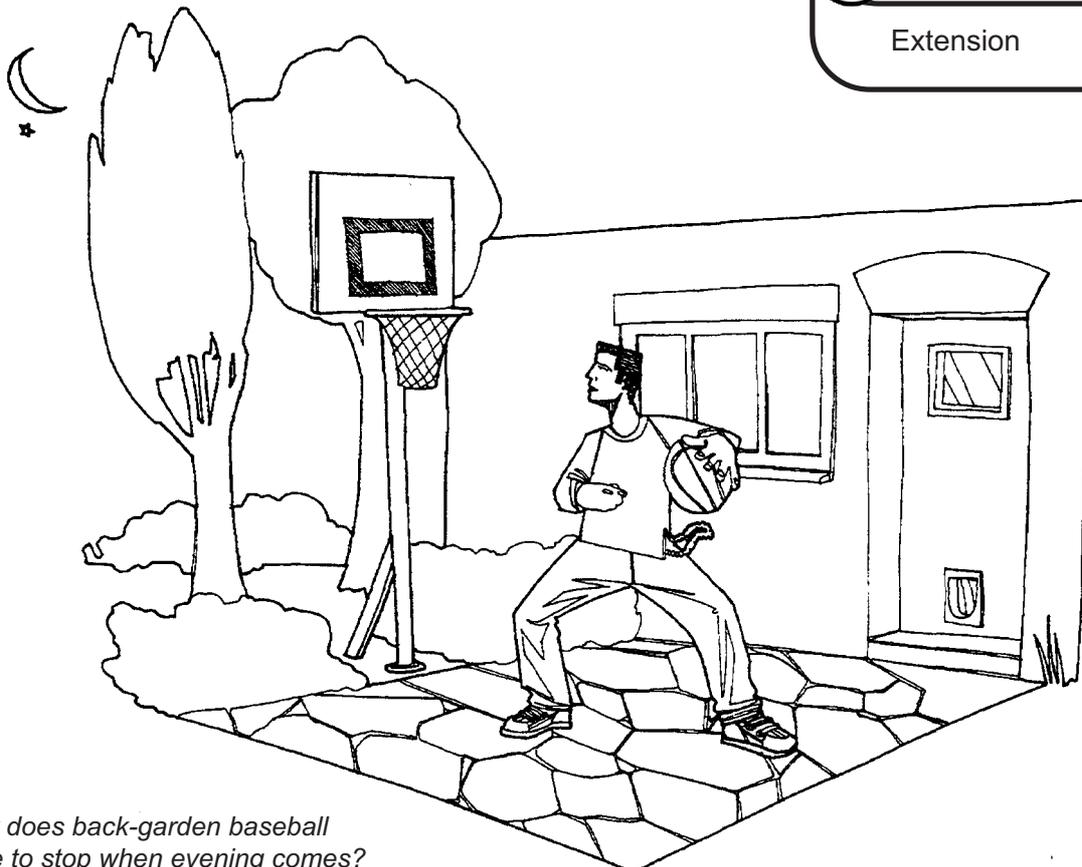


Part 1: Design briefs



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?

L Learning

- To write design briefs in response to needs, wants and likes.
- To write a specification from a design brief.

Student's Booklet

Design briefs and specifications

Timing

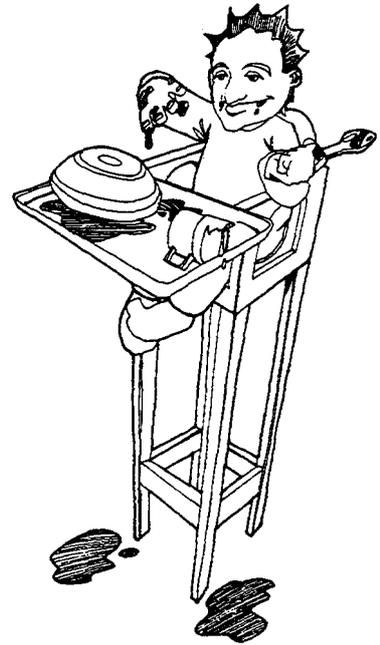
Part 1: 40 minutes
Part 2: 40 minutes

Equipment and materials

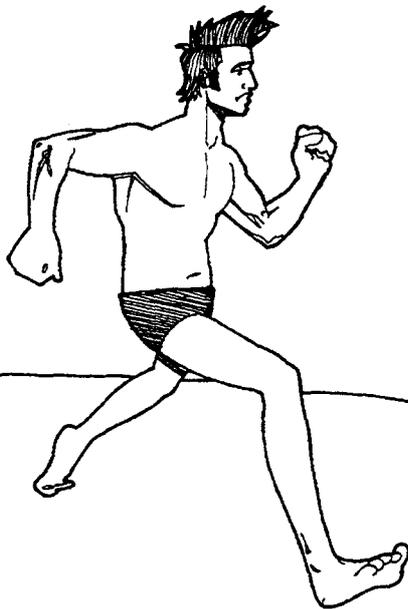
- workbook
- pen, pencil

Type of task

Extension



How can the baby, the chair and the floor stay clean?



How can feet be stylishly protected from very hot sand and prickly sea-life?

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

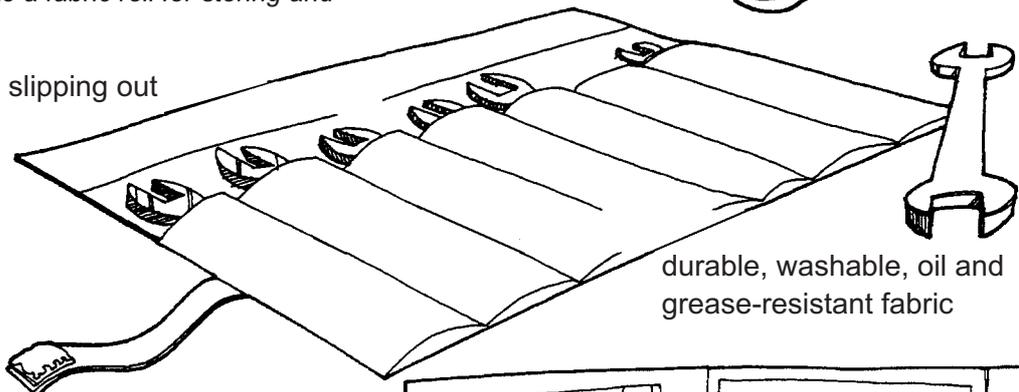
Brief 1: Design and make a plaited and coiled straw Easter bonnet for a 4 year-old.



plaited, coiled straw
silk fabric flowers
over-sized look

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

strip to stop spanners slipping out

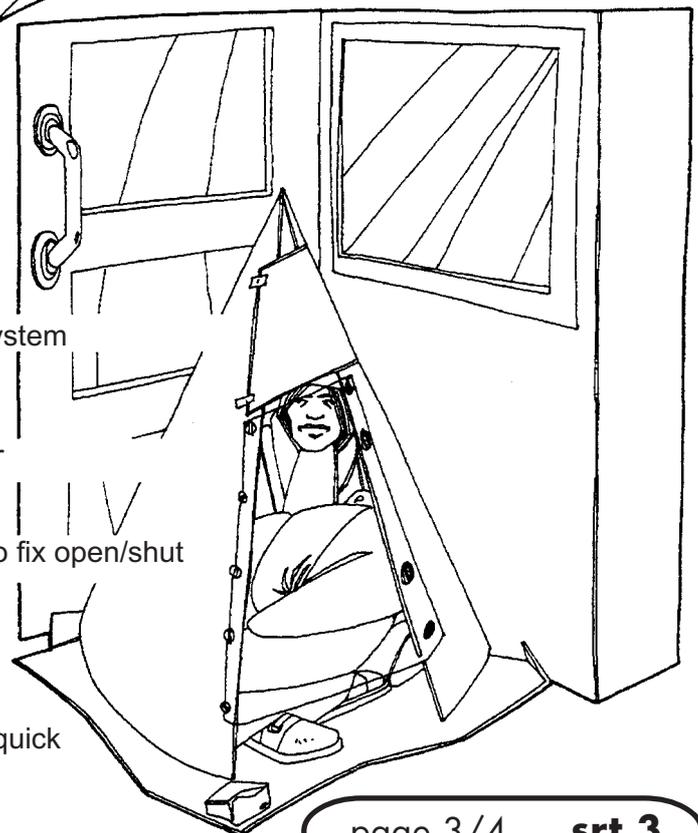


durable, washable, oil and grease-resistant fabric

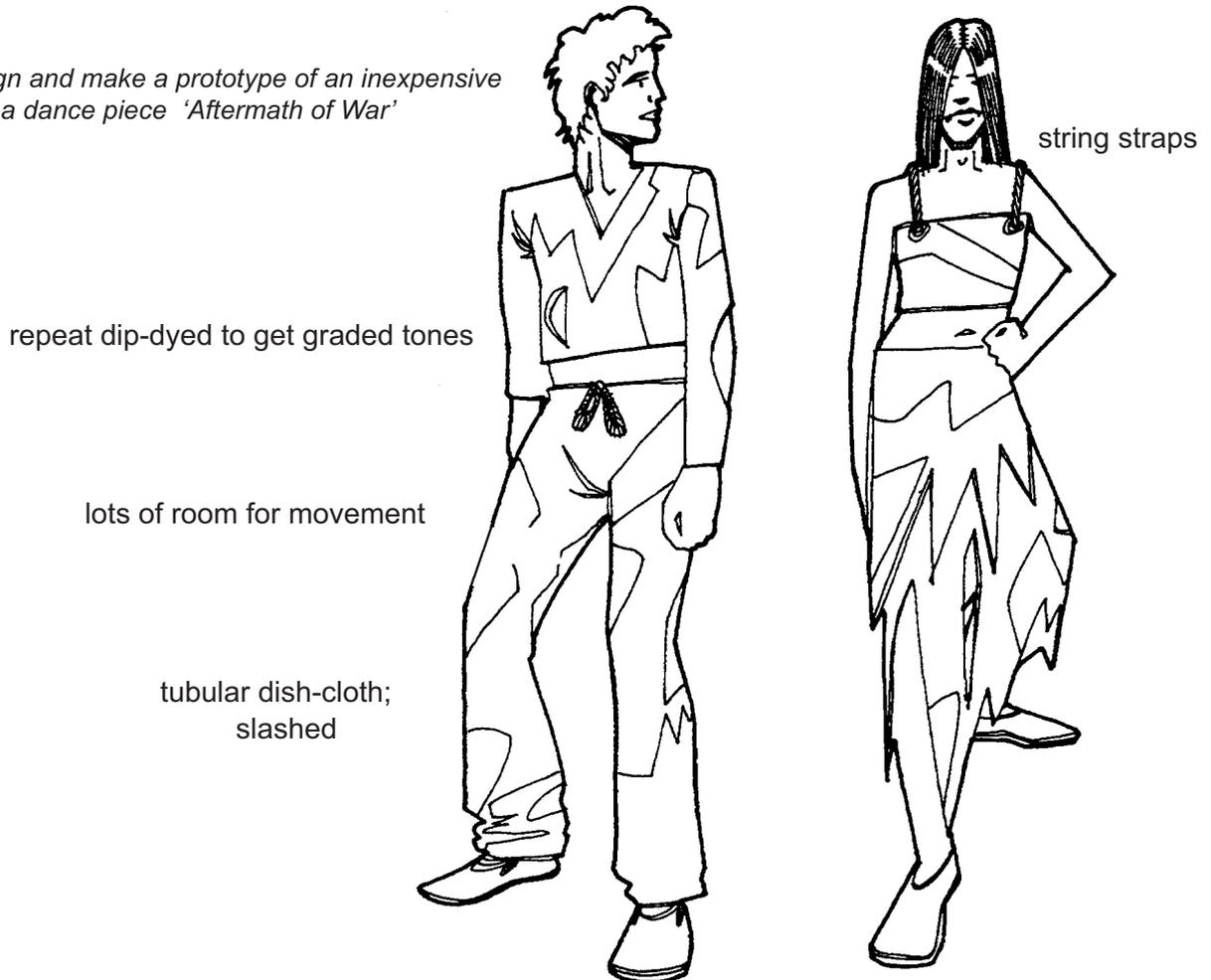
tape ties

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

lashing in rot-proof cord or hinge system
polythene cone-shaped cover
door cover with glued Velcro dots to fix open/shut
separate groundsheet to allow quick access from under frame



Brief 4 Design and make a prototype of an inexpensive costume for a dance piece 'Aftermath of War'



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.