Exhibitions and various outdoor events often make use of portable buildings and tents to house products and exhibits. These sorts of constructions can be used both indoors and outside.

Your task is in two parts. First, design a fantasy pavilion – a portable building to be used at an exhibition devoted to films, science fiction and adventure books. Second, make a scale model (20:1) in one of two ways. In this model, the base and roof of the building will be formed from geometrical solids. You can decide which solid shapes to use. You should use additional flat pieces to provide fantasy decoration.

**Part 1 Developing the idea**

1. Sketch a range of three-dimensional geometric forms. Think about ways in which these can be combined to give a basic pavilion form. You may find that using crating techniques helps here. Sketch some combinations to give the basic pavilion form. Here is a very simple example to give you the idea.

![Example of a basic pavilion form](image)

2. Add fantasy decoration to some of your basic pavilion ideas to see what a finished pavilion might look like. Here is an example to give you the idea.

![Fantasy decorated pavilion](image)

3. Decide on the idea you want to develop.
Part 2 Presenting and constructing the idea the traditional way

1 Use drawing instruments to produce front, side and plan views.

2 Photocopy this drawing and, on the copy, add colour and decoration as it will appear on the finished model. It is useful to use a fine line felt marker or drawing pen to divide up different blocks of colour.

3 Use drawing instruments to draw out the networks for your pavilion onto thin card. Use a scale of 20:1. If your pavilion has a maximum height of 3 m, then the model will be 150 mm tall.

4 Draw out the decoration panels on thin card and, where appropriate, use drawing instruments to ensure accuracy.

5 Add colour before you cut out either the nets or the decorations.

6 Use a craft knife, safety rule and cutting mat to carefully cut out the shapes.

7 Assemble your model.

SAFETY NOTE
Take extreme care when using the craft knife. Hold the material so that your hand is behind the direction of cutting.
Part 3 Presenting and constructing the idea the IT way

1. Use drawing software to produce front, side and plan views.

2. Add colour and decoration as it will appear on the finished model. Print out a finished, coloured version.

3. Use drawing software to draw out the nets for your pavilion. Use a scale of 20:1. If your pavilion has a maximum height of 3 m, then the model will be 150 mm tall.

4. Use drawing software to draw the decoration panels.

5. Use a plotter to draw out the shapes on thin card.

6. Colour the shapes and carefully cut them out with a craft knife, safety rule and cutting mat.

7. Alternatively to number 6, use a plotter with a cutting attachment to crease and cut out the shapes. Then add colour.

8. Assemble your model.

Further/homework
Use single-point perspective to draw a view of the inside of your pavilion. The view should show what a visitor would see on coming in through the front entrance.