

Your Structural design:

What do you want your structure to look like?

Top view:

Side view

Front view:

Angled view

Building your structure: shapes and forms

If you want to build the structure cheaply and safely, you will need to do it a few days ahead. You will want to build your frames and test them before you put the structure together as a whole. You will want to give time for your adhesives to set, paints to dry, and structure to settle.

Please draw each of the necessary shapes/forms for your structure. See pages 426, 398, and 392-393 in *SciencePower 7* to see examples of how to draw different parts of a structure. **Be sure to label the materials you plan to use, the direction of the load you want each part to carry, and the size/length of each part in centimetres (cm).**

Shapes, forms, and frames in my structure:

After you build your structure

1. What was the greatest challenge in building your structure?

2. What didn't work out the way you expected it to?

3. What would have made your structure better, or more efficient?

4. What hard choices did you have to make?

5. Why do you think your structure succeeded, or failed?
