

Drafting Worksheet: Scale Model Project

Instructions: Use this worksheet to draft your blueprint for the scale model project. Start by calculating scaled dimensions, then create top and side views of your structure. Ensure your drawings are accurate and include all key features and annotations.

Scale and Dimensions

Scale (e.g., 1:100): _____

1 m = _____ grid squares

2 m² = _____ grid squares

Calculate the scaled dimensions for your structure. Fill in the table below:

Feature	Actual Dimension	Scaled Dimension
Height		
Width		
Length		
Radius		

2. Top View (Plan View)

Draw the top view of your structure on graph paper.

Include Features (Top View):

- Walls (outline)
- Doors
- Roof (Top view)
- Floor Layout
- Bed
- Fire Pit

Drafting Features:

- Boarder
- Title, Name, Date
- Revision
- Measurements and dimensions

Title (Top View)	
Name	Date
Scale	Revision

3. Side View (Elevation View)

Draw the side view of your structure on graph paper.

Include Features (Side View):

- Walls (side view)
- Doors (side view)
- Roof
- Bed
- Fire Pit

Drafting Features:

- Boarder
- Title, Name, Date
- Revision
- Measurements and dimensions

Title (Side View)	
Name	Date
Scale	Revision

4. Material List

List and describe the materials used in your structure.

Roof

Material:

Surface Area:

Walls

Material:

Surface Area:

Floor

Material:

Surface Area:

Total Interior Structure Volume

5. Partner Drawing Review

After completing your drawing, trade drawings with a partner for feedback.

Partner Name:

1. Are the dimensions correct and proportional?
2. Is the layout clear and logical?
3. Are all features labeled properly?
4. Surface Area and Volume calculations, correct?