

1. Determine the surface area of a 3-dimensional figure.
2. Determine the volume of a 3-dimensional figure.
3. Make a scale model of a 3-dimensional figure.
4. Demonstrate understanding of the effect of scale on area volume, and weight.

Rubric:

Accurate Scale

Creativity

Neatness

Reasonable measurements

Originality

Explanation:

- Surface area, weight, volume of original and the model.
- Plan description
- How did you check for reasonableness? (Maybe include a discussion of objects you ruled out.)
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