
UNIT: Principles of Design

LESSON: Scale and Proportion

COMPETENCIES:

1. Define the terms scale and proportion.
 2. Identify and utilize the Golden Mean in a project.
 3. Explain human scale and plan a room to illustrate this concept.
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OVERVIEW/SUMMARY:

Proper relationships between scale and proportion contribute to an aesthetically pleasing design.

MOTIVATOR:

Bring a small child's chair to class. Have a student sit in it. How does he/she feel? Is it comfortable? Discuss the principle of proportion with the students.

LESSON OPTIONS/SUPPLIES:

OPTION 1

LECTURE: Present Teacher Information "SCALE AND PROPORTION".

OPTION 2

PROJECT: Have students create two collages using magazine cutouts of people, furniture, and other objects. (These are most easily found in advertisements.) One collage should illustrate unrealistic proportion (i.e., a body with a disproportionately large head). The other should illustrate unrealistic scale, (i.e., a hamburger bigger than a person). Students should arrange the cutouts on two separate sheets of paper and label each correctly.

OPTION 3

WORKSHEET: Help students complete the worksheet "COMPUTING SCALE AND PROPORTION". (You may wish to use this as a transparency and complete it as a class discussion.) Answers: #1=4', #2=24", #3=9", #4=18", #5=22', #6=9".

OPTION 4

PROJECT: Have students select an object or figure. On one half of a page, they should show the correct proportion of an object or figure. On the other half of the page, they should make the object or figure out of proportion. For example, extremely long legs on a person.

OPTION 5

ASSIGNMENT: Instruct students to think of two objects that relate to each other. Instruct them to draw the objects in correct scale to one another on one half of a sheet of paper. On the other half of the sheet of paper, instruct them to show the objects out of scale with one another. Have them share the drawings with the class.

RESOURCES:

Inside Today's Home, Sixth Edition, Nissen, Faulkner, pp. 128-131.
