# **Lab Framework**

**Text: Ratios & Proportions Unit number and title:** 

**Short Description**: Students will enlarge and transfer images using the grid method.

**Developed by: Josh Everson** 

Contact Information: josh.everson@gmail.com

Date: 6/28/2011

### **Human Proportions & Scale Drawing**

# LAB PLAN

TEACHER: Teacher Prep/Lesson Plan

s, simple arge, graph, grid, s, larger paper,	
nrge, graph, grid,	
s, larger paper,	
7.2.B	
ent/collection of	
ecard, larger I drawing	
Image is drawn at a larger scale without distortion.	
ngs of people	
rely on proper human proportions. Explain how the grid enlarges the drawing without distortion. 10min	
i	

:t.	
into drawing requirements.	
Muralists, photographer, engineer, architect,	
construction, mechanic	
Competencies completed	
Most adults stand 6-8 heads tall. Practice	
drawing 8 equal boxes stacked vertically.	
The top box is filled with the head. Some	
heads are wider, some thinner. An egg shape	
is a good place to start.	
How can you draw a person with realistic proportions? How can you accurately enlarge a drawing to any size?	
None required, but possible.	
-On notecard, draw or trace adults and toddlers according to human proportions for age. 10min □ -Check with peer for accuracy. 2min □ -Draw a grid of 1 inch squares on the notecard. 2min □ -Lightly draw a grid of 4 inch squares on larger paper. 5min □ -Redraw the notecard onto larger paper by following the grids. 20min □ -Check with peer for accuracy. Make corrections. 2-10min	
0.4	

### **Lab Data Collection**

Student: FORMTEXT	Date: FORMTEXT
Unit: FORMTEXT Lab Title: FORMTEXT	

Criteria: Write the problem/objective in statement form

**FORMTEXT** 

Data Collection: Record the collected/given data

**FORMTEXT** 

Calculations: Complete the given calculations to solve for an answer(s) FORMTEXT

**Summary Statement:** FORMTEXT

Other Assessment(s) FORMTEXT

Council

WAMC Lab Form Revised 6/21/09

Page PAGE 3of NUMPAGES 3

https://wa-appliedmath.org/

# Washington Applied Math Council

https://wa-appliedmath.org/