**Rubric: Assignment 4: TRIANGLES**

**(30 pts)**

\_\_\_\_\_\_\_\_ Addition of 3 different types of triangles (do not need to be 3-D on your creature). (3 pts)

\_\_\_\_\_\_\_\_\_ Calculations for scaling triangles included and accurate. (3 pts)

\_\_\_\_\_\_\_\_\_\_ Triangles drawn on graph paper in the correct size. ( 3pts)

\_\_\_\_\_\_\_\_\_ Types of triangles labeled on your drawing. (example: isosceles triangle.) (3 pts)

\_\_\_\_\_\_\_\_ Perimeters of the 3 triangles on your graph paper. Use your drawing to determine the perimeters. You must show your work on your calculation sheet. (3 pts)

\_\_\_\_\_\_\_\_ Areas of the 3 triangles on your graph paper. Use your drawing to determine the areas. You must show your work on your calculation sheet. (3 pts)

\_\_\_\_\_\_\_\_ Measurement of 9 angles of the triangles on your graph paper. The measurements need to be written clearly on the graph paper. (3 pts)

\_\_\_\_\_\_\_\_ Angles labeled on graph paper as to type. (example: obtuse) (3 pts)

\_\_\_\_\_\_\_\_\_ Photo uploaded to photo diary. Add a new slide under your existing slide, including highlights and hardships. (2 pts)

\_\_\_\_\_\_\_\_ Neatness (2 pts)

\_\_\_\_\_\_\_\_\_ Creativity, Effort (2 pts)

**Rubric: Assignment 1:**

**TORSO**

**(11 points**)

\_\_\_\_\_\_\_\_\_\_ 4 different solids (one must be a rectangular prism) assembled to become your torso. Not larger than 2 feet tall. (4 pts)

\_\_\_\_\_\_\_\_\_\_ Photo of your solids attached together uploaded to photo diary with your name, highlights and hardships. (3 pts)

\_\_\_\_\_\_\_\_\_\_\_ Neatness (2 pts)

\_\_\_\_\_\_\_\_\_\_\_ Creativity, Effort (2 pts)

**Rubric: Assignment 3:**

**PERIMETERS & AREAS**

**(18 pts)**

\_\_\_\_\_\_\_\_\_ Surface area of rectangular prism. Put on drawing as SA = \_\_\_\_\_\_\_. (3 pts)

\_\_\_\_\_\_\_\_ Volume of rectangular prism. Put on drawing as V = \_\_\_\_\_\_. (3 pts)

\_\_\_\_\_\_\_\_ Perimeters of the 4 polygons on your graph paper. Use your drawing to determine the perimeters. You must show the work on your calculation sheet. (4 pts)

\_\_\_\_\_\_\_\_ Areas of the polygons on your graph paper. Use your drawing to determine the areas. You must show the work on your calculation sheet. (4 pts)

\_\_\_\_\_\_\_\_ Neatness (2 pts)

\_\_\_\_\_\_\_\_\_ Creativity, Effort (2 pts)

**Rubric: Assignment 6:**

**SPHERES & CIRCLES**

**(23 pts)**

\_\_\_\_\_\_\_\_ Sphere added to your creature. Scale calculations on the worksheet. (2 pts)

\_\_\_\_\_\_\_\_ Volume of Sphere. Calculations on worksheet. V = \_\_\_\_\_\_ on the graph paper drawing. (2 pt)

\_\_\_\_\_\_\_\_ 4 circles added to creature . Scale calculations on worksheet. Circles numbered 1, 2, 3 and 4 on both scale calculation sheet and graph paper.(4 pts)

\_\_\_\_\_\_\_\_ Circumference of 4 circles. Calculations on worksheet. C = \_\_\_\_ on each circle on graph paper. (4 pts)

\_\_\_\_\_\_\_\_ Area of 4 circles. Calculations on worksheet. A = \_\_\_\_on each circle on graph paper. (4 pts)

\_\_\_\_\_\_\_\_\_\_ Neatness (2 pts)

\_\_\_\_\_\_\_\_\_\_ Creativity, Effort (2 pts)

\_\_\_\_\_\_\_\_\_\_ Photo uploaded to photo diary with your name, highlights, and hardships. (3 pts)

**Rubric: Assignment 5: APPENDAGES**

**(21 pts)**

\_\_\_\_\_\_\_\_ 3 appendages added to your creature. Scale calculations on worksheet. (6 pts)

\_\_\_\_\_\_\_\_ Surface area of cylinder. Calculations on worksheet. SA = \_\_\_\_ on your graph paper. (4 pts)

\_\_\_\_\_\_\_\_\_Volume of one appendage which is a cylinder. Calculations on worksheet. V = \_\_\_\_ on your graph paper. (4 pts)

\_\_\_\_\_\_\_\_\_ Slide added to online diary with your name, hardships, highlights (3 pts)

\_\_\_\_\_\_\_\_ Neatness, (2 pts)

\_\_\_\_\_\_\_\_ Creativity, Effort (2 pts)

**Rubric: Assignment 2:**

**SCALE**

**(21 pts)**

\_\_\_\_\_\_\_\_ Scale factor determined: Sensible and put on your scale calculation sheet and on your graph paper. Did not use “Boxes” as part of your scale. (3 pts)

\_\_\_\_\_\_\_\_ Proportions used in the calculations to determine the size of the figures on your graph paper. (2 pts)

\_\_\_\_\_\_\_\_ Calculations recorded on scale calculation sheet, using the proportions and your scale factor .(8 pts)

\_\_\_\_\_\_\_\_ Drawing matches scaled measurements. (4 pts)

\_\_\_\_\_\_\_\_\_\_ Neatness (2 pts)

\_\_\_\_\_\_\_\_\_ Creativity, Effort (2 pts)