

Organization Name DC STEM Catalyst Project

Activity Name: Density Determination

Activity Description: *Replication of Archimedes Principle*

Suggested Grade Level / Age Range: *3/8*

Science Content Covered: *Buoyancy, volume, mass, metrics, graphing*

Time needed to complete the activity:

*35-40 minutes*

Materials Required (per student):

*Cups, wooden cubes, food coloring, water, coins, measuring cup, scale, graduated cylinder*

Activity Success Tips for Parents and Teachers:

*Flat surfaces are necessary and all equipment*

Possible follow-up, extension activities or ideas for children and parents to explore (with references or urls):

*When determining buoyancy, objects will be placed in a cup, measured before and after and charting information*

*Refer back to math, conversions*

*Greek myth-the kings crown...was it pure gold?*

Safety comments / considerations: *None*

If your activity should be credited to any specific source or citation - indicate that here: *Greek Mythology*

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