**Measurement Review Activity**

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| Name: Carol Hall | Date: 7/16/11 |
| Content Area: Physical Science | Grade Level(s): 8th | Topic(s): measurement, length, mass, volume, density, temperature, weight, SI units, standard units, measurement tools |

**Standards (SOL)**

PS.1 (b), (c), (d) Students will properly differentiate between the various measurement units, tools and descriptions.

**Objectives (UKD’s)**

*Students will know* the various measurement units, tools and descriptions.

 *Students will understand that each form of measurement have specific tools, units and methods of measurement.*

*Students will practice their proficiency of this information in a review activity.*

**Materials & Resources**

Content Teaching Academy References: Dan Mulligan: Assessment Strategies to Increase Achievement, 6/28/11 8:30-10:00 am

Materials: “Things associated with…” Pyramid template

**Safety Considerations**

*No dangers with this activity.*

**Engage – Time Estimate \_\_\_\_\_10 minutes\_\_\_**

*Teacher holds up a graduated cylinder and asks small groups to write down 10 different things we have learned about this object. If students get to 10 quickly, challenge them to write down 5-10 more things.*

**Explore – Time Estimate \_\_\_\_25 minutes\_\_\_\_**

**Review Activity**

*Give each student a* “Things associated with…” Pyramid template. Each student will be given 12 post-it notes. Assign each person in the small group with a different measurement focus (volume, measurement tools, SI units, etc). Each student prepares 6 answers for their focused area and places them on their pyramid according to difficulty. Then they create a clue post-it to go with each answer.

Students will pair up and challenge their partner to earn their pyramid levels by correctly determining the answer from the clues they give.

**Explain -- Time Estimate \_\_\_\_5 minutes\_\_\_\_**

*Students will talk with their partner about the activity and if it helped them review the material. Students should prepare to switch.*

**Extend -- Time Estimate \_\_\_30 minutes\_\_\_\_\_**

Students can rotate within their groups and then rotate around the class to review all the areas of measurement.

**Evaluate -- Time Estimate \_\_\_10 minutes\_\_\_\_\_**

*Teacher will observe the preparation of the pyramids and the effectiveness of the review for the students. A test would likely follow the next day.*

**Plans for Diversity**

*Teacher can be selective in the review areas each student will focus on. All students will create a set of post-its, but some who are more able will have a more challenging review assigned.*

**Connections**

*Students will be prepared to take a follow up test and may be able to use this review prior to end of year testing.*