**Earth Science Learning Targets**

**Unit: Matter and Measurement**

*The following is a list of the things you will know and be able to do when you are finished with the Matter and Measurement Unit.*

**\* = M&M (MUST Master at 80%)**

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|  | **Learning Target** | **Essential Vocabulary** | Formative Quiz Score | What did you do After Quiz? |
| **0** | I can set up a scientific investigation and analyze the data collected to draw conclusions. |  |  |  |
| **\*1** | I can use a triple beam balance, graduated cylinder, and a ruler to collect data. | **Pretest Scores:**Length:Liquid Volume:Mass:Solid Volume:Temp.:Converting: |  |  |
| **\*2** | I can make a data table and a line graph. |  |  |  |
| **3** | I can find the density of an object using its mass and volume. | * Mass
* Volume
* Density
* Displacement Method
 |  |  |
| **\*4** | I can explain a physical change and use evidence to identify a physical change. | * Physical change
* Physical property
* Phase
* Conservation of mass
* Dissolving
* Melting point
* Boiling point
* Freezing point
* Open System
* Closed System
 |  |  |
| **\*5** | I can explain a chemical change and use evidence to identify a chemical change. | * Chemical change
* Chemical property
* Chemical reaction
* Chemical equation
* Reactant
* Product
 |  |  |
| **6** | I can explain the difference between pure substances and mixtures using physical properties. | * Solubility
* Pure substances
* Mixture
 |  |  |
| **\*7** | I can explain the differences between elements and compounds in terms of atoms and molecules. | * Atoms
* Compounds
* Molecules
* Elements
* Periodic Table of Elements
 |  |  |
| **8** | I can distinguish between acids and bases, and between metals and non-metals.  | * Acids
* Bases
* Metals
* Non-metals
* Conductivity
* Insulator
* Conductor
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