

Scientific Measurement Glog!



TASK:

You may work individually or in groups of 2 or 3 to create a GLOG on Scientific Measurement. The purpose of this activity is to create an interactive study guide for the scientific measurement unit. You will be incorporating graphics, sound, movie and text that will review the material and address any misconceptions based on missed test questions.

REQUIRED COMPONENTS:

- € Significant figure rules for zeroes
- € Significant figure rules for adding and subtracting
- € Significant figure rules for multiplying and dividing
- € How to measure using significant figures
- € Metric prefixes
- € SI base units
- € Kelvin and Celsius temperature conversions
- € Precision versus accuracy
- € Weight versus mass
- € Metric conversions
- € Scientific notation
- € Density
- € % error analysis

CHOOSE ONE:

- € Image of a ruler measuring the length of an object to correct significant figures
- € Image of a graduated cylinder measuring volume to correct significant figures

CHOOSE THREE:

- € Dimensional analysis: Show how you set up a metric conversion problem. Be certain to cross out units.
- € Temperature conversion: Show a comparison between Kelvin, Celsius and Fahrenheit temperatures (i.e. room temperature, boiling point of water, or be creative regular temperatures in winter, spring, fall, and summer)
- € Video: Select a video from Discovery Education or Khan Academy to enhance your understanding of one of the required components. You may also select to create your own😊
- € Sound: Use Audacity or other program to record your voice explaining one of the required components.