Uncertain about Physics???

You will find 20 separate measuring instruments. For example, a meter stick measures length, whereas a thermometer measures temperature. For each of the 20 measuring instruments, you will take a “selfie” with the instrument. With these 20 selfies, you will construct a slideshow presentation with the following criteria:

1. Title slide including name
2. 20 separate slides with a picture of a different measuring device for each slide
   1. Name the device on the slide
   2. Indicate the quantity measured by the device
   3. Include the unit the device measures in
   4. Provide the uncertainty for the device
   5. Give one example of how you would use this device within the realm of science.
3. You may not use the same type of measuring device more than twice. For example, you cannot use several different rulers.

**Finding Uncertainty**

Uncertainty provides a range to which improve how certain you may be of the accuracy of your data. For devices that do not provide the uncertainty, you will take the smallest marking on the device and divide it in half. For instance, a meter stick will often include millimeters on it. When measuring with a meter stick, the smallest marking is a millimeter, therefore you may estimate within a half of a millimeter. There for the uncertainty of a meter stick is ± 0.0005 m or ±0.5 mm.

**Presentations should be emailed to** [**lanterj@scsk12.org**](mailto:lanterj@scsk12.org) **in PDF format before 11:59 PM August 6th, 2018.**