

# MEASURE BY MEASURE

**Description:** Students will use different measuring devices to take accurate readings and record the data. Metric and USA Standards will be interwoven into this event. Purpose is to ascertain the size, amount, or degree of (something) by using an instrument or device marked in standard units or by comparing it with an object of known size.

**Number of Participants: 2**

**Part One:** Competition-Teams will rotate to a variety of stations that will engage them in measuring the following:

- Size
- Volume
- Length
- Temperature
- Density (solid, hollow, thick, thin)
- Mass
- Area
- Perimeter
- Geometry (angles, line segments etc.)
- Measurements (inches, cups, larger, smaller)
- Weights (heavier, lighter, ounces, pounds)
- Balance
- Time (decade, hours, years, etc.)

**Part Two:** Converting between Metric and USA Units.

**Scoring:** Points will be given for accuracy, proper reading of the instrument scale and units specified.

**Tie Breaker:** Time