

# ESTIMATION

**Description:** Teams of two students will use various devices to estimate and measure the length, mass, and/or volume of different materials, and express their answers in metric units.

**Number of Participants:** 2

## The Competition

1. Each team will move through a series of stations.
2. Each team will have 2 minutes at each station.
3. A station may require a team to make measurements or to answer questions.
4. Students may be quizzed on which unit is most appropriate for measuring a certain sized object.
5. All measurements will be made and recorded in metric units.
6. An answer sheet will be provided for each team to record their estimates, measurements, and answers to questions.
7. A digital and manual scale will be provided.

## Scoring

1. The scoring of the event will be based on the difference between the estimate and the team's measurement in *cm*, *g*, and/or *ml*, and the accuracy of both.
2. One point will be added for the difference in *cm*, *g*, and/or *ml* between the estimate and the team's measurement.
3. One point will be added for the difference in *cm*, *g*, and/or *ml* between the team's measurement and the judge's measurement.
4. Points will be added together, and the lowest score will be ranked higher.
5. Ties will be broken with the accuracy of the team's measurements.

2009 – Grab a Gram

2010 – Metric Mastery

2011 – Large Number Estimation