Lab: Mini-Metric Olympics

Problem: To become familiar with metric units by estimating and measuring in a "Metric Olympic" setting.
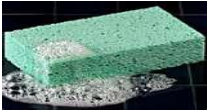
Gathering of
Information: ----------

Hypothesis: ----------

Materials:
Paper plates or pie tins	Plastic Drinking Straws
Marbles	Meter Sticks
Meter Tapes	Cotton Balls
Large Sponge	Buckets
Liter Measuring Set	Graph Paper
Triple-Beam Balance	

Procedures: 1. Work in groups of 3 or 4 including one team captain.

2. There are a total of six stations with a different task at each station. Each station should have a task card with complete instructions and materials available. Each group is assigned to one station.

3. Each captain may read the instructions to his team. It is extremely important that *before* each activity begins, each student estimates and records his/her estimate on his/her student score sheet. Captains should check all members on the team before beginning any activity.

4. After each team member performs the activity, he/she measures and records his/her actual length, mass, volume, or area.

5. You will have approximately 5-7 minutes to complete each station. Please wait for your teacher to tell you when it is okay for you and your group to move onto the next station. Stations will not necessarily be done in order from 1 through six. Be sure that you are recording your estimates and actual data in the appropriate place.

6. After all the stations have been completed by all teams, each student should find the score, which is the difference between the estimates and the actual measurement for each event. This should be entered in the last column. Then each student totals the numbers in the score column.

Student Score Sheet

	Competitor:		
	Captain:		
EVENT	**ESTIMATE**	**ACTUAL**	**SCORE (Difference)**
Paper Plate Discus	cm	cm	
Paper Straw Javelin	cm	cm	
Cotton Ball Shot Put	cm	cm	
Right Handed Marble Grab	g	g	
Left Handed Sponge Squeeze	ml	ml	
Big Foot Contest	cm^2	cm^2	
		TOTAL	