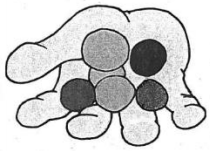
Discovering STEM Program

MINI-METRIC OLYMPICS

SCORE SHEET

Name: _____

	EVENT	ESTIMATE	ACTUAL	DIFFERENCE
	Paper Plate Discus	_____ cm	_____ cm	_____ cm
	Paper Straw Javelin	_____ cm	_____ cm	_____ cm
	Cotton Ball Shot Put	_____ cm	_____ cm	_____ cm
	Right Handed Marble Grab	_____ g	_____ g	_____ g
	Left Handed Sponge Squeeze	_____ ml	_____ ml	_____ ml
	Bigfoot Contest	_____ cm^2	_____ cm^2	_____ cm^2

TOTAL _____

Discovering STEM Program

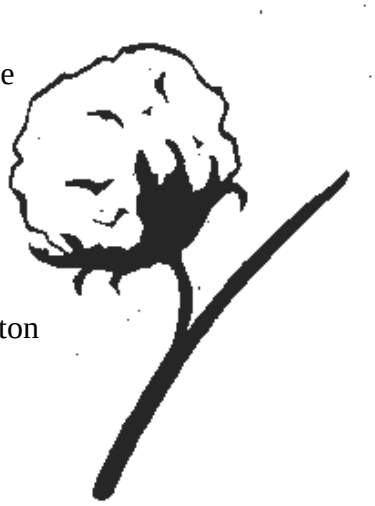
TASK CARD

BIGFOOT WAS HERE!

1. Estimate in square centimeters the area of your footprint.
2. Record the estimate on your data table.
3. Remove one shoe and trace around your foot on square centimeter graph paper.
4. Determine the area of your footprint.
5. Discuss with a member of your group the method you used to figure out the area of your footprint.
6. Record the amount on your data table.
7. Cut out your footprint. Sign your name and write the area in. Post your footprint on the bulletin board or take it home with you.

TASK CARD

COTTON BALL SHOT PUT



1. Estimate the distance in centimeters that you think you can throw the cotton ball. Record your prediction on the data table.

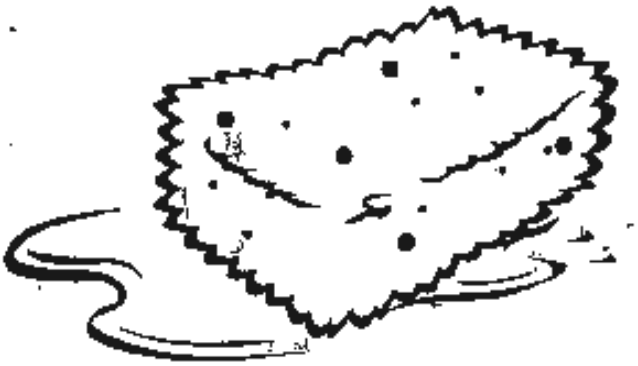
2. Place your feet on the starting line. (This will be marked using masking tape on the floor.) Throw the cotton ball.

3. Measure the distance from the starting line to the position of the cotton ball. Record the actual distance on the data table.

TASK CARD

LEFT-HANDED SPONGE SQUEEZE

1. Observe the sponge that is soaking in a bucket of water.



2. Estimate the amount of water in milliliters that you think you can squeeze out of the sponge.

3. Record your predictions on the data table.

4. With your left hand only, take the sponge out of the water and squeeze the water from it into a separate container. Using the markings on the side of the container, find out how many milliliters of water you actually squeezed.

5. Record on the data table.

TASK CARD

PAPER PLATE DISCUS

1. Estimate the distance in centimeters that you think you can throw the discus. Record your prediction on the data table.

2. Place your feet on the starting line. (This will be marked using masking tape on the floor.) Throw the discus.

3. Measure the distance from the starting line to the position of the paper plate you threw. Record the actual distance on the data table.

TASK CARD

PAPER STRAW JAVELIN THROW

1. Estimate the distance in centimeters that you think you can throw the javelin. Record your prediction on the data table.

2. Place your feet on the starting line. (This will be marked using masking tape on the floor.) Throw the javelin.

3. Measure the distance from the starting line to the position of the javelin. Record the actual distance on the data table.

Discovering STEM Program

TASK CARD

RIGHT-HANDED MARBLE GRAB

1. Estimate in grams the weight of the marbles you can grab with your right hand. Record your prediction on the data table.

2. With your right hand only, grab a fistful of marbles from the container.

3. Use a scale to weigh the marbles.

4. Record the actual weight on the data table.