

Metric Measurement Activity

Integrated Science 1

Redwood High School

Name: _____

Period: _____

■ Introduction/Purpose

The objective of this activity is to allow you to practice, and review, skills of accurate metric measurement using scientific tools that will be used all year in this course.

■ Procedure

Station #1. The Metric Ruler

Skill to Remember:	Metric Unit(s)

1. a. _____ b. _____ c. _____

2. length: _____ width: _____ height: _____

3. _____ x _____ x _____ = _____

4. _____

Station #2. The Meter Stick

Skill to Remember:	Metric Unit(s)

1. _____ 2. _____

3. a. _____ b. _____

4. a. _____ b. _____

5. a) _____ b) _____

Station #3. The Graduated Cylinder and Beaker

Skill to Remember:	Metric Unit(s)

1. Drawing:

2. _____ 3. _____

4. _____

5. _____

Station #4. Water Displacement

1. original volume: _____ new volume: _____ difference: _____

2. _____

3. _____

Station #5. The Medicine Dropper

1. _____ 2. _____ 3. _____ 4. _____

5. _____

Station #6. The Thermometer

Skill to Remember:	Metric Unit(s)

1. a. _____ b. _____ 2. _____ 3. _____ 4. _____

5. refrigerator _____ coffee _____

Station #7. The Electronic Balance

Skill to Remember:	Metric Unit(s)

1. _____ 2. _____ 3. _____ 4. _____
5. _____

Bonus Station: *complete all other stations first*

- radius of the shaft: _____ (cm)
- length of the shaft: _____ (cm)
- volume of the shaft: _____ (cm³)
- diameter of the head: _____ (cm)
- thickness of the head: _____ (cm)
- volume of the head: _____ (cm³)
- Volume of the bolt: _____ (cm³)
- Volume of the bolt using water displacement:
_____ (cm³)