Energy Tools

P3 P4400 Kill A Watt Electricity Usage Monitor

Watts Up Pro Electricity Consumption Meter

P3 International P4460 Kill A Watt EZ Electricity Usage Monitor

Energy Measurements (name of object = energy = money)

1. _____ = _____ = _____

2. _____ = _____ = _____

3. _____ =_____ = _____

Hydrofarm LG17010 Digital Light Meter
by Hydrofarm

RECOMMENDED FOOT-CANDLE (FC) LEVELS FOR VOLUNTARY SERT DELAMPING PROJECTS

Corridors and Stairways	10 –20 fc
• As low as 10fc – for high reflectivity flooring/walls (white or pastel)	
• Up to 20 fc for dark-colored flooring	
Conference Rooms	30 fc at table height
Reception Areas	20 fc (avg. ambient)
	50 fc (on task surface/desk)
Classrooms	30 fc (reading/ writing)
Art class	75 fc (preferably natural lighting)
Computer labs	15 fc
Restrooms	15 fc
Gyms	30 fc
Cafeteria (seating area)	30 fc
Cafeteria (food prep area)	75 fc

Light Meter (area: the fc reading)

1. _____ : _____

2. _____ : _____

3. _____ :_____

Non-Contact Pocket Thermometer

Thermometer Available at Harbor Freight Tools. com

Energy Measurements (area: temperature)

1. _____ : _____

2. _____ : _____

3. _____ : _____

Simple Take A Ways to Save a Lot of Energy

1. Turn off lights when you leave a room

Switching the lights off when you leave the classroom seems like a pretty obvious task, but it's something many people forget. Remind the kids to turn off any lights when a room is empty. The average classroom uses 1200 to 1500 watts in its lighting.

2. Turn things off when not in uses especially at the end of the school day and over the weekend.

Overhead projectors, televisions, computers and smart boards all use electricity for power, and many of them can use small amounts of energy if left plugged in

3. Keep your door closed

Heating and cooling a room can be expensive, especially during the winter and summer. It's hard to concentrate when all you can think about is how hot or cold you are; the same applies to students. By keeping your classroom door closed, you can cut down on HVAC energy consumption. Keeping a door open lets climate-controlled air escape, making the air conditioning and heater work overtime.

Resources

www.MAEOE.org

www.greenewit.com

www.greenschoolsfocus.org

michaelbluejay.com/electricity/