



NAME Mr. L CLASS \_\_\_\_\_

TEACHER Me DATE \_\_\_\_\_

ENERGY USE LOG

Appliance or Item	Power in kilowatts (kW) <sup>1</sup>	Hours item used each day (hr)	Daily energy use <sup>2</sup> (kW-hr)	Annual energy use (kW-hr/yr) <sup>3</sup>	Annual energy cost (\$/yr) <sup>4</sup>	Ideas for how to reduce energy use from this item
Elmo Camera	28.5 Watts					Students can wait with this part and complete at school
When completing this log,						
please record power in						
Watts instead of kilowatts						
List at least 6						
items or appliances						
Use the Kill-a-Watt						
meter to find energy use						

Ex:

2

<sup>1</sup> f  
<sup>2</sup> [ 1 Power conversion formulas: watts ÷ 1000 = kilowatts; horsepower (hp) × 0.746 kW/hp = kilowatts; amps × volts ÷ 1000 = kilowatts  
<sup>3</sup> E 2 Daily energy use formula: power (kW) × hours used per day = daily energy use (kW-hr/day)  
<sup>4</sup> E 3 Energy use/year formula: daily energy use (kW-hr/day) × 365 days/yr = annual energy use (kW-hr/yr)  
 4 Energy cost per year formula: annual energy use (kW-hr/yr) × energy cost from bill (\$/kW-hr) = annual energy cost (\$/yr)

Worksheet