

# ACTIVITY #2 - ENERGY EFFICENCY WORKSHEET

Group Name	Appliance	Power Watts	Power (KILOWATTS)	Does it have an Energy Star Rating	Energy Rate	Hours Used per Day	Yearly Savings
	Microwave in the Cafeteria				\$0.075/ kW·h		
	Energy Star Microwave	600 W	0.6 kW	-----	\$0.075/ kW·h		
	Classroom Computer				\$0.075 /kW·h		
	Energy Star Computer	104 W	0.104 kW	-----	\$0.075/ kW·h		
	Refrigerator in the Science Office				\$0.075/ kW·h		
	Energy Star Refrigerator	1800 W	1.8 kW	-----	\$0.075/ kW·h		
	Classroom TV				\$0.075/ kW·h		
	Energy Star TV	103 W	0.103 kW	-----	\$0.075/ kW·h		
	Classroom DVD player				\$0.075/ kW·h		
	Energy Star DVD player	4.46 W	0.00446 W	-----	\$0.075/ kW·h		
	Printer in room 314				\$0.075/ kW·h		
	Energy Star Printer	16.6 W	0.0166 W	-----	\$0.075/ kW·h		

Notes:

- COLUMN 4 - You have to convert the power to KILOWATTS. To do this you must take the number you measured and divide it by 1000.
- COLUMN 7 – Estimate the number of hours the appliance is used during the school day
- COLUMN 8 – Yearly cost = Power (in Kilowatts) x Energy rate x Hours used per day  

$$\text{Column 4} \quad \text{Column 6} \quad \text{Column 7}$$

