# Calculate Your Energy Usage in the Classroom

Cactus Moon Education, LLC.
*Understanding Green Technologies*

| Appliance | Volts | X | Amps | = | Watts | X | Hours/day | = | Watt-Hours |
|---|---|---|---|---|---|---|---|---|---|
| Television | | X | | = | | X | | = | |
| Projector | | X | | = | | X | | = | |
| Ceiling Fan | | X | | = | | X | | = | |
| Copier | | X | | = | | X | | = | |
| Computer | | X | | = | | X | | = | |
| Printer | | X | | = | | X | | = | |
| Monitor | | X | | = | | X | | = | |
| Light Bulbs | | X | | = | | X | | = | |
| | | X | | = | | X | | = | |
| | | X | | = | | X | | = | |
| | | X | | = | | X | | = | |
| | | X | | = | | X | | = | |
| | | X | | = | | X | | = | |
| | | X | | = | | X | | = | |
| | | X | | = | | X | | = | |
| | | X | | = | | X | | = | |

**Each electrical device in your school uses electricity. There should be a label on the device that tells you how many Watts it uses. If the label doesn't show the number of Watts it may show you the number of Volts and Amps. You can calculate the Watts by multiplying the Volts by the Amps. Then put in how many hours the appliance is used per day. Multiply the Watts by the hours and you will get the Watt-hours. Once your have your total Watt hours, divide that total by 1000 to give you your total kiloWatt hours (kWh).**

**Example: If your microwave uses 1200 Watts, and you use it for 2 hours per day, the energy consumption will be 1200 X 2 = 2,400 Watt-hours or 2.4 kWh**

**To calculate your light bulb usage, check the Watts on the light bulbs and estimate how many lights you have on, and for how many hours.**

**Extra rows are added so you can list additional energy users.**

**Trivia – Did you know that the word "Watt" is the last name of the man (James Watt) who invented the Steam engine that Thomas Edison used to generate electricity?**