



Dear Parent/Guardian,

We are currently studying energy conservation. As part of this unit, students will be asked to complete a *Home Energy Usage Survey*. This assignment is designed to help students learn how energy is utilized in the household, and how much that energy costs.

Students will analyze the results of the survey to identify areas in which household energy consumption is highest. They will then use this information to create a realistic conservation plan for the household.

Your child will require some assistance in completing the home survey. Please assist him/her in estimating a typical week's energy usage in the areas listed. A **general estimate** will suffice. (It may be easiest to estimate one day's usage and multiply by 7.) Costs for the week, month, and year will be calculated at school. Sharing a utility and/or heating bill with your child would help to further illustrate the energy costs associated with running a household.

Thank you for your cooperation with this activity. Please contact me should you have questions/concerns regarding this assignment. The survey will be due on

_____.

Sincerely,

NAME: _____



Home Energy Usage Survey

Families do
this column
together

Appliance	Cost Per Hour	About how many hours per week?	Cost per Week's Usage	Cost per Month's Usage	Cost per Year's Usage
Television	.04¢				
Computer	.01¢				
Stereo	.02¢				
Dishwasher	.10¢ per load	(# of loads)			
Washing Machine	.05¢ per load	(# of loads)			
Clothes Dryer	Electric: .67¢ per load Gas: .16¢ per load	(# of loads)			
Bedroom Lights	.01¢ per hour per light				
Living room Lights	.01¢ per hour per light				
Kitchen Lights	.01¢ per hour per light				
Microwave Oven	.15¢				
Oven	Electric: .11¢ Gas: .06¢				
Stove	Electric: .04¢				
Refrigerator	.02¢				
Air Conditioner	Window: .11¢ Central: .18¢				
Electric Heating System	Small Home: .12¢ Large Home: .34¢				
Gas Heating System	Small Home: .04¢ Large Home: .16¢				
Fan	.02¢				