Data Collection Sheet

Rev. 1/10

Classroom
ENERGY
DETECTIVE
KIT

Hawaii School Conservation PROGRAM

To download extra Data Collection Sheets please visit, **hawaiischool conservationprogram.com**

	A	B	C	D	E	F	G	H	I
	Appliance	How Many kWh (kilo-watt-hours) were used while plugged in?	How many hours did you measure energy use?	How many kilowatt-hours were used each hour by the appliance?	How many hours is the appliance used each day?	How many kilowatt-hours are used on a typical day?	How many days per month is the appliance used?	How many kilowatt-hours are used each month?	What is the approximate cost to operate the appliance each month?
EX:	Microwave, fan, etc.	Press the KHW/Hour key for "meter" to appear	Press the kWh/Hour key for "clock" to appear	Divide B (kWh) by C (hours	Example: fish tank = 24 hrs fan = 8 hrs;	Multiply D by E.	Example: 30 = every day 20 = school days only	Multiply F by G	Multiply H by 21¢ ($0.21) (21¢ is the assumed average schools' cost per kWh)
EX:	Doohickey	0.50 kWh	2 hours	0.25 kWh/ hour	6 hours	1.5 kWh/day	20 days/ month	30 kWh/ month	$6.30/month
1.									
2.									
3.									
4.									
5.									
6.									