Sonny the Sustainability Scout

Activity Sheet
ENERGY

Do you know how much energy your house uses?

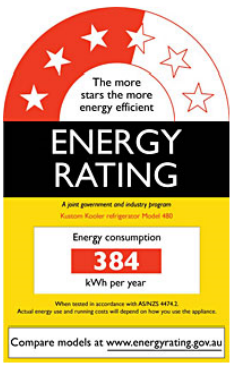
Activity: Conduct an energy audit at home

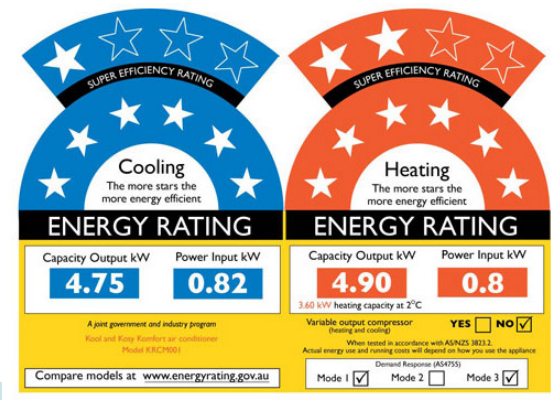
Appliances can account for 30% of home energy use. Energy rating labels show us how energy efficient our appliances are. The more stars, the more energy efficient the product is compared to other similar appliances.

Walk around your house and check the star rating of your appliances and note it down here:

Air conditioner:		TVs:	
Clothes Dryer:		Ducted heaters:	
Computer monitor:		Space heaters:	
Dishwasher:		Water heaters:	
Fridge and Freezer:		Ovens/cooking appliances:	
Washing Machine:			

The stickers will look like this:





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1. Find out how much you pay for a unit of electricity.

This information is on your electricity bill.

2. Find out how much input power the product uses in kilowatts (kW).

The 'input' power is usually marked on the packaging or in the manufacturer's information in 'watts' (W).

Eg - 2000W of electricity: 2000W ÷ 1000 = 2kW

3. Estimate hourly running cost.

Multiply the input power in kW by the price of your electricity a kilowatt hour (kWh).

Eg - 2kW × $0.2855c a kWh = $0.571 an hour

4. Estimate daily running cost.

Multiply the cost an hour by the number of hours you use the appliance.

Eg - $0.571 × 5 hours = $2.85 a day

5. Estimate yearly running cost.

Multiply the daily cost by the typical number of days you use the appliance.

Eg - $2.85 a day × 100 days = $285 a year