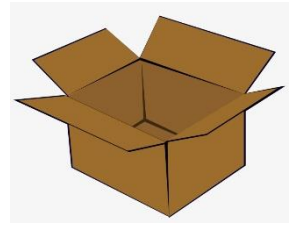




## Science Activity

### Energy Detective

Time to prepare: 5 minutes



□ Please, stay safe and ask a grown up to supervise you

#### Resources/ things you need

- This activity will need to be done accompanied with a grown up at ALL times

- Pen
- Paper
- Print out of page 2 of this activity sheet (Not essential as this could be written out)

#### What to do

1. With a grown up you are going to investigate your house and **look for clues** to see if you are saving energy!!
2. Let us see if you can save any energy!
3. Or are you already saving energy well?
4. Print out the second page of this activity sheet. (OR it can be copied out)
5. Fill in the table to see if you are saving energy?
6. How did you do in the investigation?
7. Is there anything else you can do to save energy?

#### Background and the link to learning

It is really important we conserve and save energy in our house and home.

The simplest **definition** of **energy** is "the ability to do work". **Energy** is how things change and move. It's everywhere around us and takes all sorts of forms.

Some different types of energy include electrical, thermal (heat, light, sound, kinetic (movement) , gravitational potential (when you hold something up high in your hand and it is about to fall), chemical (like in a battery) and elastic.

#### Pictures



Link to other similar activities - Please see solar oven & make a sundial



<p align="center"><u>What to look for in your house</u> <b>(WITH a grown up)</b></p>	<p align="center"><u>Tick or cross</u></p>
Is there double glazing in the windows?	
Is there insulation in the walls and roof?	
Are the lights turned off in any un-used rooms?	
Are there any energy saving lightbulbs?	
<p>How many electrical items are turned on?  (Look carefully at the TV, DVD player, computer, screen for computer, in the kitchen) <b>YOU MUST BE with an adult for all of this activity.</b></p>	
Is paper used on both sides - do you have a scrap paper draw/ folder?	
Are the doors closed of any un-used rooms?	
Is the heating on a timer?	
Are the showers run on a timer?	
Is foil recycled?	
Do you re-use packaging for other uses?	
Do you re-use wrapping paper?	
Are newspaper & magazines recycled?	
Are tins recycled?	
Are any glass jars and bottles recycled?	
Is any packaging and cardboard re-cycled?	
Are any plastic bottles recycled?	

