

Electricity activity booklet

Cheat sheet



ACTIVITY 3:

What uses the most Energy?

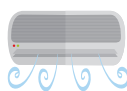
1. Clothes dryer



2. Pool pump



3. Air conditioner



4. Dishwasher



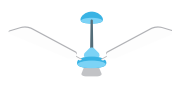
5. Washing machine



6. Fluro strip light



7. Ceiling fan



8. Fridge



9. LED lightbulb



10. TV



ACTIVITY 4:

Ways to save energy

- Did you know standby power is responsible for 10% of your power bill? This is why you should always turn appliances off at the wall.
- Keeping a lid on the pot when cooking helps to keep the heat in, allowing you to use less energy.
- Turning off your lights after you have finished in that room could save you up to 2 cents per hour they are off. This may not sound like a lot, but if you added it up for every light in the house and every hour in one year, it works out to be a lot.
- Keep your fridge temperature to between 3-5°C. Each degree cooler uses 5% more energy, while higher temperature allows bacteria to grow.
- Set your freezer between -15 and 18°C, each degree below this will use an extra 5% of energy.
- Hang your clothes out to dry instead of using a dryer, as the average dryer uses 3.3 kilowatt per hour.
- Wash clothes with a full load, and cold water, hot water uses more electricity.
- Only use the dishwasher when it's full, use it on the ECO setting to reduce energy.
- Setting your air conditioner temperature to 25-27°C could cut your daily energy consumption by over 20%.
- You can save up to 20% on energy costs by sealing any gaps where the cool air might be escaping.
- Fluorescent and LED lights are much more energy efficient than traditional incandescent or halogen lights. Think about replacing inefficient lights, especially when you have large groups of halogen downlights.
- Use fans before air conditioning. Fans cost around 2 cents per hour to run (much less than air conditioners) and reduce the temperature by 2°C or 3°C. As fans circulate air they can also be used to improve the effectiveness of cooling systems.
- Keep your ceiling fans dust-free, it will decrease friction and prevent the motor from heating up.
- Close the door to rooms that don't need to be cooled. The less work your aircon needs to do, the less electricity it will use.
- Clean your aircon filters regularly. A clogged-up filter can increase your unit's running costs by 5-10% as your aircon works harder to achieve a similar result.
- Engage your local pool shop to calculate your optimal pool pump running time. Reducing the pump's running time by a few hours a day could save you up to \$350 a year.
- Test your water regularly. Having the right chemical balance will mean your pump won't need to work as hard to keep the water clean.
- Clean the skimmer box and filters regularly to reduce pressure and the amount of time the pool pump is needed on for. Reducing the time by 2 hours can save you up to \$10 a month.