

7 AFFORDABLE AND CLEAN ENERGY



An energy source is something that exists in nature and which can be converted into electricity and heat. Energy can be obtained from the Sun, wind, water, uranium, coal, oil, firewood or other biomass.

Energy sources that can be used over and over again are called 'renewable' energy sources. These include the Sun, wind, water and biomass. They're the best!

Because we like electricity and use a lot of it, we must try to get everyone to use as much renewable electricity as possible, so that Earth will have sufficient resources for more people.



Illustrationer: Silvy Strand

THE CHALLENGE:

Hot chocolate and air rockets

Renewable energy sources can be used for much more than generating electricity.

Fly High with the Air

- Wrap a piece of drawing paper (about 10x10 cm) loosely around a straw so that it forms a paper tube.
- The paper must be wrapped loosely enough that it can easily slip up and down along the straw.
- Tape the paper tube together so that it doesn't unwrap itself.
- Flatten one end of the paper tube, about 2 cm, and fold it down towards the tube.
- Tape it securely.
- Now you have a rocket!
- Place the rocket on the straw.
- Blow into the straw!
- How high did you go? Can you aim the rocket so that it goes even higher?



Tasty Time with the Sun

- Find some bowls made of different materials, for example metal, plastic and glass.
- Put a piece of chocolate in each bowl.
- Go outside into the sunshine and place the bowls so that the sun shines on the chocolate.
- Wait a while.
- Check what's happened! Were there different results in different bowls? Did the chocolate melt at different rates?
- Take a piece of fruit and dip it in the melted chocolate and enjoy!

Tom Tits Experiment