

**ITEM 4: SAVING ENERGY**The future is sustainable. Until then, we must be economical and pollute as little as possible.

**INFORMATION SHEET 4**

Why is it necessary to save energy?

In this section you will learn why we should be economical with energy and how you can save energy.

Why should we save?

We will only use infinite, clean energy in the future. But we still use fossil energy sources. They get lost and have bad influence on the environment. They cause climate change. As long as we use fossil sources, it is good to economize with energy

You have to pay for energy that you use. Saving is also good for the wallet.

Energy transition

We are in a transition phase.

We are on the way to a new situation; a new world. Take a look around you.

You can still see petrol stations, but also charging stations for electric cars.

There are coal-fired plants, but also windmills and solar parks.

We are going to use more and more sustainable energy. That also means that no longer all electricity comes from large power plants. You see solar panels more and more. People absorb the energy themselves. The world is going to look different!

How can you save energy?

Saving is not that difficult. You just have to use less energy. But for some things you need energy.

What can you do to have a good life and use less energy at the same time?

You can often make choices where you can do the same with less (polluting) energy.

What are you doing?

When you have finished watching, do you turn off the television or on standby?

Devices also use power on stand-by.

Do you turn off the lights when you leave? If there is nobody in the room, the light does not need to be switched on.

If it is sunny outside, there might be enough light in the house. Then you can turn off the lights and save energy.

Do you close the door behind you when you leave? If it is cold outside, you can keep the heat inside by taking care that the doors are not opened unnecessarily.

And if you still feel cold, do you turn on the heating, or do you put on a sweater?

The heating costs energy.

You sometimes have to charge telephones, tablets and electric toys. Make sure you plug out

when you have finished charging? As long as the charger is plugged in, he uses electricity. That is not always necessary.

Do you notice when the television is switched on unnecessarily? It certainly happens at your place too. Sometimes the TV is on, while no one is watching it. For example when everyone is using smartphone or tablet, is busy, or reading a book.

In fact, saving energy is a matter of thinking and paying attention.

Anyone can do it.



**WORKSHEET 4:**

Task 1 (Use the information sheet.

Jeroen has had lessons about energy at school.

He says: "It will not be long before we only use sustainable energy. So I do not have to be economical with energy anymore. "

What is Jeroen right about?

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What is Jeroen not right about?  
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Task 2  
What do you think is the best saving tip on the information sheet? ……………………………………..  
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Work further in pairs.

One of you starts:

Explain to the other person why it is important to save energy.

Ask if the other person already knows your best tips.

Ask if the other person is already using the tip.

If not, try to make the other person realize how important it is.

If the other person says he is going to do it, you ask: how and when?

Turn the rollers around.

(Have you both chosen the same tip? Now choose the next-best tip.)

Are you going to save more?

Task 3  
Interview 5 friends or family members. Use one for the first person, one for the second person the boxes with number 2. And so on.

Explain that you are investigating whether people use energy sparingly.

Who already saves and who can give you tips?

Ask them the following questions:

1. Do you use a shower timer to shower no more than five minutes?

Yes No

2

1

5

4

3

15

4

5

3

2

1. Do you turn off the light in rooms where no one is?

Yes No

2

1

5

4

3

15

4

5

3

2

1. What do you usually do when you notice that you are cold?

Pull the sweater upwards? Increase heating

2

1

5

4

3

15

4

5

3

2

1. Do you get chargers out of the socket if you do not charge anything?

Yes No

2

1

5

4

3

15

4

5

3

2

All information collected?

The first answer is always the sustainable answer.

Does anyone still use a tip?

Then explain why it is important to use the tip.

What is the percentage of sustainable answers from all the people you interviewed?

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Are you satisfied with the result? Why yes / not?

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WHAT DID YOU LEARN?

* As long as we use polluting energy that runs out, it is good to be careful with energy.
* Everyone can save energy. At home and at school. For example, by taking a shorter shower, lowering the heating, or putting appliances on standby.