

## Lesson 11



## WHAT CAN BE DONE TO MAKE THE WORLD CLEAN AND HEALTHY? GREEN LIFESTYLE

Lesson objective: To acquaint students with a green lifestyle. To help students understand what human activities can help conserve nature.

**Terms:** Garbage sorting, moderate consumption, water saving, energy saving, green transportation.

#### Materials required for the workshop:

- 1. 3-4 rolls of toilet paper, glue, cardboard sheet, scissors.
- 2. Two glasses, a piece of cloth, a small box and very dirty water.
- 3. Bowl, foil, plastic wrap, plasticine, wooden stick, marshmallow.

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## 1. Discussion

Learning objective:	To develop students' abilities to make arguments and reasonable
	conclusions.
	Consolidate knowledge about nature conservation methods.

#### ACTIVITIES

**Teacher:** coordinates activities. Asks students to answer the question: What can be done to make the world clean and healthy?

**Students:** answer the question based on their own experience. Listen to the information.

On the screen: a picture with the rotating Earth is visible.

## 2. Interactive task (information)

Learning objective:

To help children understand how they can contribute to nature conservation.

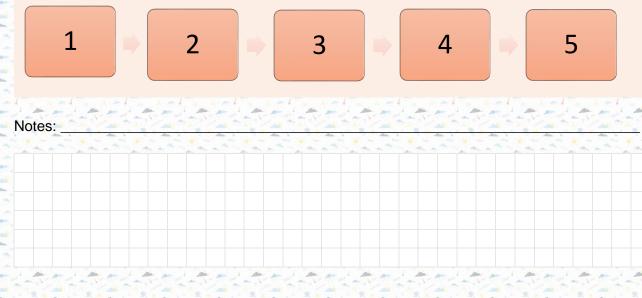
2 min. 🕚

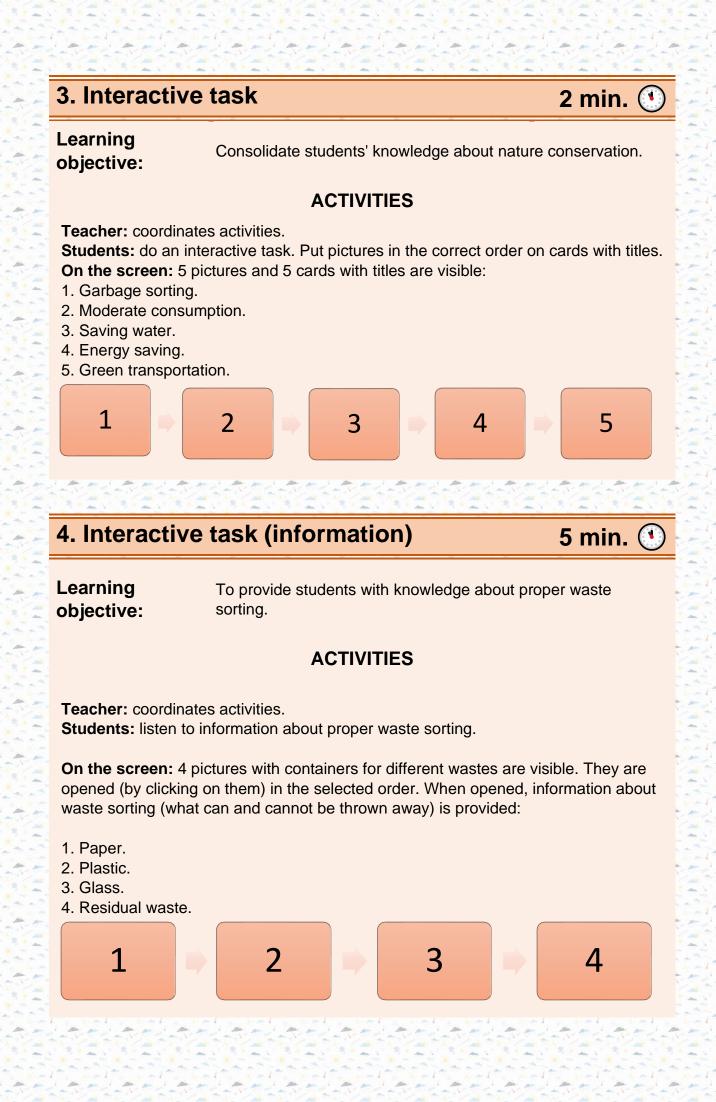
7 min. 🕚

#### ACTIVITIES

**Teacher:** coordinates activities. **Students:** select parts of the interactive task and listen to the information. **On the screen:** 5 pictures are visible with the titles:

- 1. Garbage sorting.
- 2. Moderate consumption.
- 3. Water saving.
- 4. Energy saving.
- 5. Green transportation.





## 5. Interactive task

# Learning objective:

Consolidate students' knowledge about waste sorting.

2 min. 🕚

6 min. 🕚

#### ACTIVITIES

**Teacher:** coordinates activities. **Students:** perform an interactive task. Drag trash to appropriate containers.

**On the screen:** 4 images with containers are displayed. Above them shuffled cards with rubbish titles. Cards must be dropped into appropriate containers.

## 6. Interactive task

Learning objective:

Notes:

To provide students with knowledge about sustainability and reducing consumption.

### ACTIVITIES

Teacher: coordinates activities.

Students: Listen to the information about:

- 1. Packaging
- 2. Clothing
- 3. Food

**On the screen:** 3 images are displayed. The picture shows forest pests and gives information about them. They are opened (by clicking on them) in the selected order. Information is provided when opened.

7. Workshop	15 min. 🕚
Learning objective:	To help students understand how recycled materials can be creatively used for various purposes. To develop students' creativity and cooperation skills while working in groups.
	ACTIVITIES

Teacher: coordinates activities.

Pupils: watch the video material on the screen, read the information.

**On the screen:** 3 cards are displayed: materials, instruction, results. Information is provided after opening each card.

Teacher: coordinates activities.

**Students:** after listening to the information complete the task: construct a pencil case from toilet paper rolls and various accessories.

On the screen: a description of the experiment is displayed.

**Materials required for the workshop:** 3-4 rolls of toilet paper, glue, cardboard sheet, scissors.

## 8. Interactive task

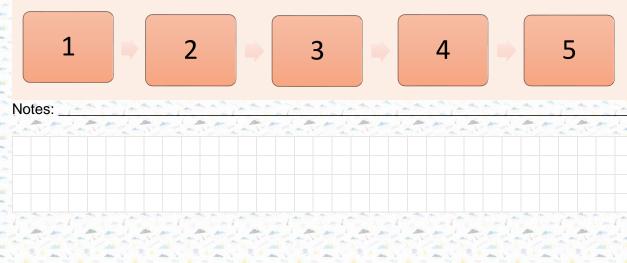
LearningTo provide students with knowledge about saving water in theobjective:household.

2 min. 🕚

### ACTIVITIES

**Teacher:** coordinates activities. **Students:** perform an interactive task. Put cards in the correct order.

On the screen: 5 pictures are displayed in a shuffled order.



## 9. Workshop

Learning	To help students understand how a water filter works.
U	To develop students' creativity and cooperation skills while
objective:	working in groups.

#### ACTIVITIES

10 min. 🕚

7 min. 🕚

Teacher: coordinates activities.

Pupils: watch the video material on the screen, read the information.

**On the screen:** 3 cards are displayed: materials, instruction, result. Information is provided after opening each card.

Teacher: coordinates activities.

**Students:** after listening to the information complete the task: make a water filter from a piece of cloth and observe the water filtering process. Draw conclusions about the filtered water.

On the screen: a description of the experiment is displayed.

**Materials required for the workshop:** Two glasses, a piece of cloth (eg medical gauze), a small box and very dirty water (eg from a puddle in the yard).

### **10. Interactive task**

**Learning** To provide students with knowledge about renewable and nonobjective: renewable energy sources.

### ACTIVITIES

**Teacher:** coordinates activities. **Students:** listen to the information about various energy sources.

On the screen: 5 pictures with titles are presented:

- 1. The sun
- 2. Wind
- 3. Water
- 4. Fossil fuel
- 5. Nuclear fuel

Information is provided after opening each picture.

## 11. Workshop

	I hrough an experiment, help students understand that the sun
Learning	has energy and how it can be used creatively.
objective:	To develop students' creativity and cooperation skills while
-	working in groups.

#### ACTIVITIES

Teacher: coordinates activities.

Students: watch the video material on the screen, read the information.

**On the screen:** 3 cards are displayed: materials, instruction, result. Information is provided after opening each card.

Teacher: coordinates activities.

**Students:** After listening to the information they conduct an investigation: observe how the temperature rises and the marshmallow changes in the covered bowl. **On the screen:** a description of the experiment is displayed.

**Materials required for the workshop**: bowl, foil, plastic wrap, plasticine, wooden stick, marshmallow.

## 12. Interactive task + Discussion

## 4 min. 🕚

20 min. 🕚

# Learning objective:

Consolidate students' knowledge about ecological means of transport. To develop students' critical thinking and abilities to draw conclusions based on arguments and experience.

### ACTIVITIES

Teacher: coordinates activities.

**Students:** choose the correct exit from the maze (the most environmentally friendly vehicle).

**On screen:** A maze centered around a family is shown. There are 4 exits from the maze, at which vehicles are shown: a train, a plane, a bus, a car.



## **13. Interactive task (test)**

LearningConsolidate students' knowledge about nature conservationobjective:methods, sustainable consumption and green lifestyle.

#### ACTIVITIES

3 min. 🕚

3 min. 🕚

Teacher: coordinates activities.

**Students:** perform an interactive task - answer the questions by choosing the correct answer.

On the screen: 4 questions are presented in sequence:

- 1. How to reduce the amount of garbage?
- 2. Which of the listed vehicles is a means of "green transportation"?
- 3. What would happen if water disappeared on the whole Earth?
- 4. Which energy sources pollute the environment the most?



## 14. Discussion (bridging task)

**Learning** To develop students' critical thinking and abilities to draw conclusions based on arguments and experience.

### ACTIVITIES

**Teacher:** coordinates activity. **Students:** answer the question.

**On the screen:** a picture of the rotating Earth is displayed: What can be done to make the world clean and healthy?

Notes:

#### Sources of information:

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- 7) SPECTRUM. Kuri karta drabužius perka tvariausiai? (online). (Viewed on: 31.03.2023.) Available on: <u>https://naujienos.vu.lt/spectrum-kuri-karta-drabuzius-perka-tvariausiai/</u>
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