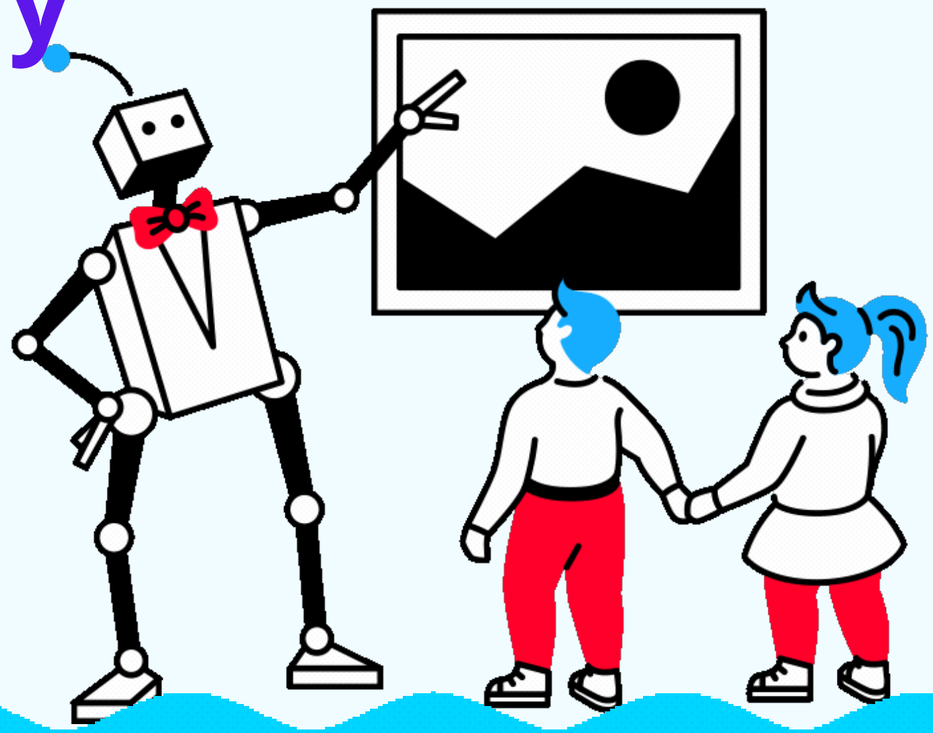
„Do Robots Drink Water? Teaching Sustainable AI Through Digital Vocabulary”



Rita Mozūraitienė

Klaipėdos Tauralaukio progimnazija

AIM:

To develop sustainable awareness about AI water consumption through digital vocabulary learning.

OBJECTIVES:

Students will be able to:

- use topic-related vocabulary (water, cooling, energy, save)
- calculate simple water consumption amounts
- suggest solutions to reduce water use
- present ideas using simple English sentences

DEVELOPED COMPETENCIES

- Communication in English
- Critical thinking
- Problem-solving
- Environmental awareness
- Digital literacy
- Collaboration

SPEAKING MASCOTS

https://app.heygen.com

SAFER INTERNET WEEK

https://dashboard.blooket.com/set/699768959903300745 4b69ff

FLASHCARDS: ROBOTS and WATER

https://dashboard.blooket.com/set/699893213ce80cb9d61e53ec

https://quizlet.com/1146237617/how-much-water-do-robots-drink-flash-cards/?i=5a9b8c&x=1jqt

🌍 WATER FOOTPRINT CHALLENGE

❄️ Cooling

💧 20 ml

🧼 Cleaning

💧 15 ml

🔋 Charging Batteries

💧 10 ml

⚡ Making Energy

💧 25 ml

🌍 ROBOT USES:

20 ml for cooling

15 ml for cleaning

25 ml for energy

10 ml for charging

Total: _____ ml

PROBLEM

How to reduce the consumption of water?

🌍 PROBLEM SOLUTION

Our robot uses _____ ml of water.

This is too much.

We can save water by:

_1._____

_2._____

🌍 ROLE-PLAY

👩‍🔬 Scientist

🤖 Robot engineer

🌍 Environmental activist

🏭 Factory manager

Explain why your robot needs water.

Explain how to use less water.

🌍 REFLECTION

- Why is water important?
- Do robots really “drink” water?
- Is AI always good for the planet?
- Should we limit AI use?
- How can we save water in real life?