

Didactic Scenario

1. Title

In the world of plants

2. Keywords

art, plants life, augmented reality, artificial intelligence, technology

3. Basic Information

STEAM Subject: English, IT, Art, Biology

Typical interaction time with the instructional scenario in teaching hours for in-school work:
English (1 hour), IT (1 hour), Art (1 hour), Biology (30 min)

General description of the scenario:

<u>Phases</u>	<u>Stage</u>	<u>Time</u>
Warm-up activity, introduction to the topic	preparation stage	3'
Explanation of work ahead and what is expected of them	preparation stage	5'
Presentation of the instructional-educational content	implementation stage	37'
Evaluation	conclusion-evaluation stage	5'

Age group: 6-10 years

Estimated difficulty level:

Very Easy	Easy	Moderate	Challenging	Very Challenging
			X	

Teaching resources

Material: paper, colored pencils, eraser

School infrastructure: Internet access, video projector or projection screen, tablets or smartphones

Additional material from external sources/online tools:

<https://curipod.com/ad6bed9d-9390-4345-bc3e-583b854141b4/lessons/dUbZrQR0cfR4YOOpkzKL?showpreview=true>

Differentiated Instruction for students of differing abilities and learning styles in the same class: N/A

Developed by: Dorina Marin

4. Educational Problem

The world of plants is fascinating for students of small school age. Through this lesson, students will remember what they learned about plants in general, about carnivorous plants that they will draw and translate into reality with the help of augmented reality. They will learn to participate interactively in the lesson through curipod.com, to draw a carnivorous plant and translate into reality with the help of Arloopa augmented reality application.

5. Learning Objective (-s)

1. Students will remember what they learned about plants in general;
2. Students will remember what they know about carnivorous plants that they will draw and translate into reality with the help of augmented reality;
3. Students will develop their digital skills.

6. Phases of the Scenario

Phase 1

Title: Warm-up activity, introduction to the topic

Indoor	Outdoor	Mixed
X		

Phase duration in minutes: 3'

Detailed description of the scenario phase: A discussion will be started with the students about the colour diversity of the leaves and the plants they come from.

Activity sheets: N/A

Phase 2

Title: Explanation of work ahead and what is expected of them

Indoor	Outdoor	Mixed
X		

Phase duration in minutes: 5'

Detailed description of the scenario phase:

- It will be explained to the students ahead of time that they must create an account on the curipod.com platform and that they can send the requested answers to questions on this platform, they will learn how to draw the carnivorous plant and will interact with it through augmented reality.
- If the activity takes place in the classroom, the students will answer the questions orally.

Activity sheets: N/A

Phase 3

Title: Presentation of the instructional-educational content

Indoor	Outdoor	Mixed
X		

Phase duration in minutes: 37'

Detailed description of the scenario phase:

- Students will watch the presented material and participate interactively in the lesson;
- Students will learn to draw a carnivorous plant with the help of a video tutorial;

Activity sheets:
<https://curipod.com/ad6bed9d-9390-4345-bc3e-583b854141b4/lessons/dUbZrQR0cfR4YOOpkzKL?showpreview=true>

<https://www.youtube.com/watch?v=2H0Np08VF38&t=73s>

7. Evaluation Methodology

Students will use the augmented reality application Arloopa to remember information about carnivorous plant and to develop their digital skills and they will answer the questions:

- What is the most interesting thing you have learned about the plant world?
- What types of plants do you know?
- How do plants adapt to changes in their environment?
- What is the process called by which plants use sunlight to make food?
- How can you help plants adapt?
- How would you feel if you were a plant and could talk?

There will be an exhibition of children's artistic creations.

8. Additional Resources for the teacher

N/A