

## Didactic Scenario

1. Title
LIFE INTO THE FOREST

2. Keywords
Science, Math, Technology

3. Basic Information		
<b>STEAM Subject:</b> Biodiversity – Life into the forest		
<b>Typical interaction time with the instructional scenario in teaching hours for in-school work:</b> 1 hour		
<b>General description of the scenario:</b>		
<u>Phases</u>	<u>Stage</u>	<u>Time</u>
Warm up- watching video about forests (inside the class)	preparation stage	10'
Orally discussion about forests, plants, trees and specific animals and insects that live there and how can we save forests for our health	preparation stage	10'
Team works into the small forest near the school yard	implementation stage	30'
<b>Age group:</b> 6-8 years old		

**Estimated difficulty level:**

Very Easy	Easy	Moderate	Challenging	Very Challenging
	X			

**Teaching resources**

**Material:** Magnifying glass, Roulette, Pencils, Scissors, Mobile phone (for quizzes and apps), Sheets, Glue

**School infrastructure:** laptop, video projector

**Additional material from external sources/online tools:**

[https://www.youtube.com/watch?v=ST6-4YWDPEs&ab\\_channel=MiacademyLearningChannel](https://www.youtube.com/watch?v=ST6-4YWDPEs&ab_channel=MiacademyLearningChannel)

<https://quizizz.com/admin/quiz/5c990d8af605e9001a757442/forest-habitat>

[https://play.google.com/store/apps/details?id=org.inaturalist.android&hl=en\\_US](https://play.google.com/store/apps/details?id=org.inaturalist.android&hl=en_US)

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

**Developed by:** Primary education professor Streba Alina

#### 4. Educational Problem

Students learn to know concepts like reuse to obtain useful objects, recycling, water economy, biodiversity.

#### 5. Learning Objective (-s)

1. To know about biodiversity and life into the forests
2. To identify insects and plants with iNature app
3. To make useful product from recyclable materials to be a big tree
4. To measure the trunks of the trees expressing measurement in centimeters.

## 6. Phases of the Scenario

### Phase 1

**Title:** WARM UP!

Indoor	Outdoor	Mixed
X		

**Phase duration in minutes:** 10'

**Detailed description of the scenario phase:** Students watch a video about forests and do a brainstorming moment to remember the information gained last session.

[https://www.youtube.com/watch?v=ST6-4YWDPEs&ab\\_channel=MiacademyLearningChannel](https://www.youtube.com/watch?v=ST6-4YWDPEs&ab_channel=MiacademyLearningChannel)

**Activity sheets:** N/A

### Phase 2

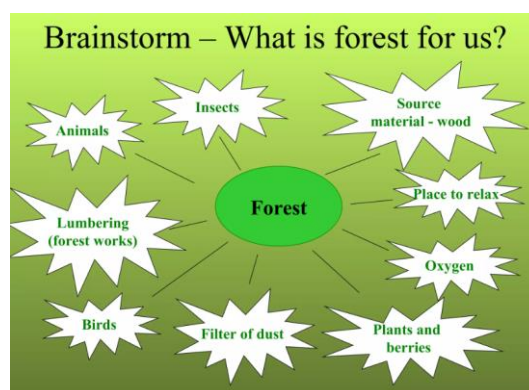
**Title:** What is forest for us?

Indoor	Outdoor	Mixed
X		

**Phase duration in minutes:** 10'

**Detailed description of the scenario phase:** There will be discussions about forests, plants, trees and specific animals and insects that live inside and how can we save forest for our health. Activity takes place in the school yard so the students will answer the questions orally and complete the brainstorm sheet.

**Activity sheets:**



### Phase 3

**Title:** Kids need to explore nature!

Indoor	Outdoor	Mixed
	X	

**Phase duration in minutes:** 30'

#### Detailed description of the scenario phase:

Students will have the opportunity to learn about forests outside the class. After they watch the video, teacher group them in 5 teams and they will work to fill up the instructions.

Team Science How to Identify a Tree's Age!

1. Count the rings
2. Measure the circumference
3. Count the whorls

Team Technology

- with apps iNaturalist students find insects and plants and identify them  
[https://play.google.com/store/apps/details?id=org.inaturalist.android&hl=en\\_US](https://play.google.com/store/apps/details?id=org.inaturalist.android&hl=en_US)
- with a magnifying glass they fill table with insects discovered

Team Engenerring

- draw on the floor signs that means importance of the forests

Team Art

- create a big tree with recyclable materials and stones found in the school yard

Team Math

- measure the trunks of the trees expressing measurement in centimeters. That they will enter data on the table in ascending order

#### Activity sheets:

TRUNKS MEASUREMENTS	ESTIMATED AGE

## 7. Evaluation Methodology

The students present each team results and go inside the classroom. They will complete a test with the help of the application <https://quizizz.com/admin/quiz/5c990d8af605e9001a757442/forest-habitat> to recall the information related to forest and to develop digital skills.

*There will be an expo for all the results obtained. Each team present result and receive silent feedback.*

The teacher systematically observes the student's activity, makes assessments on the way of working and grades the student's performance.

## 8. Additional Resources for the teacher

N/A