

## Didactic Scenario

### 1. Title

Jumping time

### 2. Keywords

Jumping, high, low, far away, near, horizontal, vertical

### 3. Basic Information

**STEAM Subject:** Math, Arts

**Typical interaction time with the instructional scenario in teaching hours for in-school work:**  
50 minutes

**General description of the scenario:**

<u>Phases</u>	<u>Stage</u>	<u>Time</u>
Introduction - Jumping time slides	Preparation	10 minutes
Main part	Implementation	35 minutes
Conclusions - reflection	Evaluation	5 minutes

**Age group:** 7- 8 years old

**Estimated difficulty level:**

Very Easy	Easy	Moderate	Challenging	Very Challenging
		X		

**Teaching resources**

**Material:** small LEGO blocks, paper cups (better light color), rubber bands, slides, worksheets, scissors, and markers.

**School infrastructure:** Media, Computer

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

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

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#### 4. Educational Problem

Jumping is a fundamental physical activity that offers various benefits for overall physical well-being. It plays a crucial role in maintaining and enhancing fitness, coordination, and musculoskeletal health. Children are going to learn that every jump can be different - high, low, far away, near, horizontal, and vertical.

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

1. Create a bouncer (arts);
2. Physical movements - the importance of the jumps;
3. Measure jumps (math);
4. Documenting their own learning process;

#### 6. Phases of the Scenario

##### Phase 1

**Title:** Introduction - Jumping time slides

Indoor	Outdoor	Mixed
X		

**Phase duration in minutes:** 10 minutes

**Detailed description of the scenario phase:**  
 The teacher shows slides to the children - different types of jumps, the teacher asks some of the children to show how to jump high and how to jump far away.  
 The teacher gives worksheets to the children.  
 In the worksheets children guess which animal jumps the farthest and which one the highest by circling it. Then the teacher shows the answer to the children.  
 The teacher tells today's task - to create a bounce.

**Activity sheets:** N/A

Phase 2		
<b>Title:</b> Main part		

Indoor	Outdoor	Mixed
X		

**Phase duration in minutes:** 35 minutes

**Detailed description of the scenario phase:**  
 Practical part.  
 The teacher shows the children how to make a bouncer (every child creates their own bouncer)  
 -Every child gets 2 paper cups, and one rubber band. Also, children need scissors and markers.  
 First, children need to draw and create a picture on one of the cups - eyes, lips, etc., and color all the cup.  
 Second, children need to cut their colored paper cup 'legs'.  
 Then, add a rubber band by adding on the cup's 'legs' and twist the rubber band.  
 The child adds a colored paper cup on top of the empty paper cup.  
 When bouncers are ready - children try it with one small LEGO block add on the top of the bouncer and using hands children's bouncers jump.

When all children are ready with their bouncers, then children try together their bouncers with one LEGO block on the top and measure how far away the LEGO block jumped - measure the distance by steps or with the meter. Children write their answers in their worksheets.

**Activity sheets:** N/A

Phase 3		
<b>Title:</b> Conclusions - reflection		
<b>Indoor</b>	<b>Outdoor</b>	<b>Mixed</b>
X		
<b>Phase duration in minutes:</b> 5 minutes		
<b>Detailed description of the scenario phase:</b> The teacher asks questions - how was the activity? Did you have any problems with creating your bouncer? Did your bouncer jump high or far away? The teacher says to evaluate yourself by circle an emoji on the bottom of the worksheet.		
<b>Activity sheets:</b> N/A		

7. Evaluation Methodology
Students are motivated to take an active part in the various stages of learning. Assessment components include: active participation in activities, worksheet tasks, creating their bouncer and conducting an experiment.

8. Additional Resources for the teacher
Attached an example of the worksheet.