



## Learning Scenario

### Workshop 2: PBL, online quizzes and logical tasks

<b>Learning Scenario Title</b>	Months of the year
<b>Course/Grade</b>	Science 2 <sup>nd</sup> grade of primary school
<b>Learning Outcomes</b>	<b>General learning outcomes:</b> <ul style="list-style-type: none"><li>• Name months of the year</li><li>• Determinate the order of months of the year</li><li>• Explore the specific characteristics of each month of the year</li></ul> <b>Specific learning outcomes oriented on algorithmic thinking</b> <ul style="list-style-type: none"><li>• Distinguish elements by attributes</li><li>• Search, find and connect the month with its characteristic</li><li>• Compare and classify months of the year</li></ul>
<b>Aim, Tasks and Short Description of Activities</b>	<p>Aim is to revise and systematize the knowledge about the months of the year and to learn the importance of the months in everyday life.</p> <p>Students will revise the main concepts about months of the year by using quiz, memory game and word association game on computer.</p> <p>Problem-based learning will be used for exploring the specific characteristics of each month of the year (group work on a computer).</p>
<b>Keywords</b>	Month, year, date
<b>Correlation and Interdisciplinarity</b>	Mathematics: numbers up to 100; roman numbers up to 100; ordinal numbers Art class Science: seasons Informatics
<b>Duration of Activities</b>	45 minutes
<b>Learning and Teaching Strategy and Methods</b>	Game Based Learning Dialogical method Problem solving method Method of reading and working with text Method of writing



<b>Teaching Forms</b>	Frontal teaching Individual work Working in pairs Group work	
<b>Tools</b>	Kahoot! tools and Kahoot! quiz, Match the Memory, Microsoft PowerPoint, Internet browser	
<b>Resources/materials for the Teacher</b>	Kahoot! tools, Match the Memory, Microsoft PowerPoint	
<b>Resources/materials for the Students</b>	Kahoot quiz, Match the Memory, Microsoft PowerPoint (association game), Internet browser	
<b>Teaching Summary</b>	<b>1. Motivation – introduction to the activity</b>  <b>Talk about months of the year:</b> students choose favorite month of the year and argue their choice, mention what they know about this month (the reason for the name, to which season it belongs, holiday or event in that month)  <b>Motivational game - association game</b> (playing in groups of three students)	Duration  10 minutes
	<b>2. Main part of the activity</b>  Discussion for reviewing: year-month-number of days, names of months in the year, number of days in the month  Revising and systematizing the knowledge about the months of the year:  <b>a) Kahoot! quiz</b> QUESTION 1: We call the first month of the year:  a. December b. March c. January d. August  QUESTION 2: February has:  a. 30 days b. 31 days c. 28 days d. 28 or 29 days  QUESTION 3: The month in which autumn starts is:  a. September b. October c. November d. December  QUESTION 4: We celebrate the New Year in:  a. December b. February c. November d. January	25 minutes

	<p>QUESTION 5: The school year starts in:</p> <ul style="list-style-type: none"> <li>a. July</li> <li>b. April</li> <li>c. September</li> <li>d. June</li> </ul> <p>QUESTION 6: The year ends in:</p> <ul style="list-style-type: none"> <li>a. January</li> <li>b. August</li> <li>c. October</li> <li>d. December</li> </ul> <p>b) <b>Memory game</b> (Match the Memory) – students play in pairs</p> <p>Match the month of the year with the date:</p> <ul style="list-style-type: none"> <li>January – 1.1.</li> <li>February – 28.2.</li> <li>March – 15.3.</li> <li>April – 20.4.</li> <li>May – 30.5.</li> <li>June – 25.6.</li> <li>July – 31.7.</li> <li>August – 15.8.</li> <li>September - 5.9.</li> <li>October - 8.10.</li> <li>November - 1.11.</li> <li>December - 31.12.</li> </ul> <p>c) <b>Problem based learning</b></p> <p>Students are divided into groups of 3. Each group draws a paper with the name of one month of the year. The task is to enter the name into Internet search engine and to choose one of the pictures among the results. The students should explain their selection: why exactly this picture presents main characteristics of the month.</p>	
	<p><b>3. Reflection and evaluation</b></p> <p>Each student receives a “paper candle” on which has to write the date of his/her birthday.</p> <p>Students attach their candle to a picture of a large 12-layer cake. Layers are named according to the months of the year and a student attaches the candle to the layer with the name of the month in which he/she celebrates birthday.</p> <p>After attaching the candle, students are forming groups by month in which they celebrate birthday.</p>	<p>10 minutes</p>

	<p>The students repeat names of months in the year in correct order.</p> <p>Discussion: In which month most/least students celebrate their birthday.</p>	
<b>Annexes</b>	<p>Learning scenario in LePlanner:  <a href="https://beta.leplanner.net/#/scenario/5d72907980a288cd3abb87c1">https://beta.leplanner.net/#/scenario/5d72907980a288cd3abb87c1</a></p> <p>Association game (Power Point)</p> <p>Kahoot! quiz: <a href="https://play.kahoot.it/#/k/d89977ac-f463-4a91-af3e-1eed202b0a09">https://play.kahoot.it/#/k/d89977ac-f463-4a91-af3e-1eed202b0a09</a></p> <p>Match the Memory game:  <a href="https://matchthememory.com/mjeseciugodinimelita">https://matchthememory.com/mjeseciugodinimelita</a></p>	
<b>Examples and game references</b>	<p>Kahoot! <a href="https://kahoot.com/">https://kahoot.com/</a> (15.12.2018.)</p> <p>Match the memory <a href="https://matchthememory.com">https://matchthememory.com</a> (15.12.2018.)</p>	



A1	B1	C 1	D 1
A2	B2	C 2	D 2
A3	B3	C 3	D 3
A4	B4	C 4	D 4
COLUMN A	COLUMN B	COLUMN C	COLUMN D
<b>FINAL SOLUTION</b>			

CUTTING WOOD	SCHOOL STARTS	LINDEN BLOSSOMS	SPRING
WINTER BREAK	FIRST DAY OF AUTUMN	FIRST DAY OF SUMMER	EASTER
NEW YEAR'S DAY	PICKING APPLES, PLUMS	SCHOOL ENDS	FRUIT TREE BLOSSOMS
1ST MONTH	9TH MONTH	SUMMER BREAK	SPRING BREAK
JANUARY	SEPTEMBER	JUNE	APRIL
<b>MONTHS OF THE YEAR</b>			

