

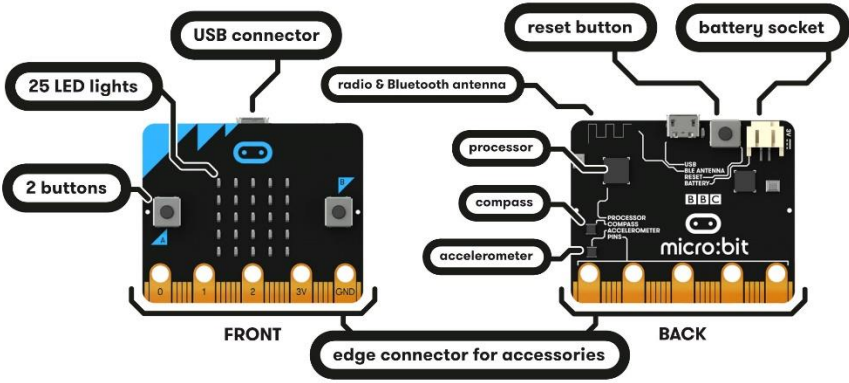
## By Petar Piljić

<b>Topic:</b>	Introduction in programing with MICROBIT computers and workshop
<b>Age:</b>	14-15 years
<b>Time:</b>	90 min (2 lessons)
<b>Competences:</b>	Introduction presentetation show us what the MICROBIT computer are, what are they made from, in which way they are conected with regular PC, what is their place in Croatian educational system and how we are using them in cross-curricullary in different subjects.

<b>Aim of this lesson:</b>	<ul style="list-style-type: none"> <li>to work in a group</li> <li>to get basic knowledge in MICROBIT programming</li> <li>to make their own basic program (writing own name on MICROBIT'S led lights)</li> <li>to make 1 more complicated task (pedometer programming)</li> </ul>
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<b>Introduction:</b>	To introduce students what the MICROBIT computer are
	computer for each group (2 students per 1 computer) MICROBIT computer for each student internet connection

### Process

<b>Step 1</b>	30 min
To introduce students what the MICROBIT computer are - explain the online platform for MICROBIT programming (microbit.org/hr) - explain basic parts of MICROBIT computer:	
 <p>The diagram shows two views of a Micro:bit computer. The front view (left) is labeled 'FRONT' and shows a USB connector at the top, 25 LED lights in a 5x5 grid, and two buttons. The back view (right) is labeled 'BACK' and shows a reset button, a battery socket, a radio &amp; Bluetooth antenna, a processor, a compass, and an accelerometer. Both views show an edge connector for accessories at the bottom. The text 'micro:bit' is printed on the back of the board.</p>	

<b>Teachers notes (if needed)</b>	Explaining the importance of programming in primary education, why this is the “future based knowledge” and what are the possibilities that this knowledge offers us
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<b>Step 2</b>	20 min
Work in a group on MICROBIT online platform, creating basing program (“write your name”) and transering datas to MICROBIT computers	
<b>Step 3</b>	10 min
A short video of new task: HOW TO PROGRAM PEDOMETER?	
<b>Step 4</b>	30 min
Work in a group on MICROBIT online platform, creating 1 more complicated task (pedometer programming) and transering datas to MICROBIT computers Reflection and self evaluation	

<b>Teachers notes (if needed)</b>	Comparing your works with other groups
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