

## Using micro:bit to develop a table lamp

Subject:	Science	Level:	Primary 5
Unit:	Light		
Topic:	Intensity of light		

## <u>Summary</u>

Students will be exposed to the world of programming. They will see for themselves how a simple programming device can help them in their everyday life. Students will use the micro:bit to develop a table lamp that will switch on by itself when it gets dark.

Prior Knowledge:		
Objectives:	Use the micro:bit to develop a table lamp that will switch on by itself	
	when it gets dark	
Resources:	micro:bit with battery pack	
	Computer with Internet access	
	Recycled building materials	

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Main activity			
Lesson Development	Teacher will inform the group that they will be designing and constructing a table lap and programming it to switch on automatically when it is dark. It will be a group work and at the end of the project, there will be a mini competition to determine the best table lamp.	Students will be exposed to the world of programming. They will see for themselves how a simple programming device can help them in their everyday life.	<ul> <li>micro:bit with battery pack</li> <li>laptop with internet access</li> <li>building materials</li> </ul>
	In groups of 3, students will design and construct a table lamp and program it. Groups will be given the opportunity to test their table lamp On the final day, each team has to present their table lamp		

Additional Remarks: