

Make a battery

Name of the object and creator	Make a battery by Logopsycom				
Recommended ages	8-10 years				
Thematic areas combined (STEAM)	Sciences	Technology	Engineering	Arts	Mathematics
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Materials needed	<ul style="list-style-type: none"> • 20 coins of 20 or 5 centimes • 20 cotton pads • Lemon juice • Small sheet of polystyrene • Wooden stick • Small electric wire and a diode or a voltage tester 				
Outline of the steps	<ol style="list-style-type: none"> 1. Prepare the material 2. Prepare the base 3. Assemble the pieces and the cotton discs 4. Test your battery ! 				
References	<p>La Fondation La main à la pâte & Le Pommier. (s. d.). L'Europe des découvertes scientifiques . https://fondation-lamap.org/projet/l-europe-des-decouvertes-scientifiques</p>				

STEP BY STEP: How to build a battery

Step 1: Gather the material

Estimated time: 5 minutes

- Prepare all the material you will need.



Step 2: Prepare the base

Estimated time: 5 minutes

- Place a coin on the polystyrene board and place 3 wooden stick skewers around it so that the coin doesn't move.



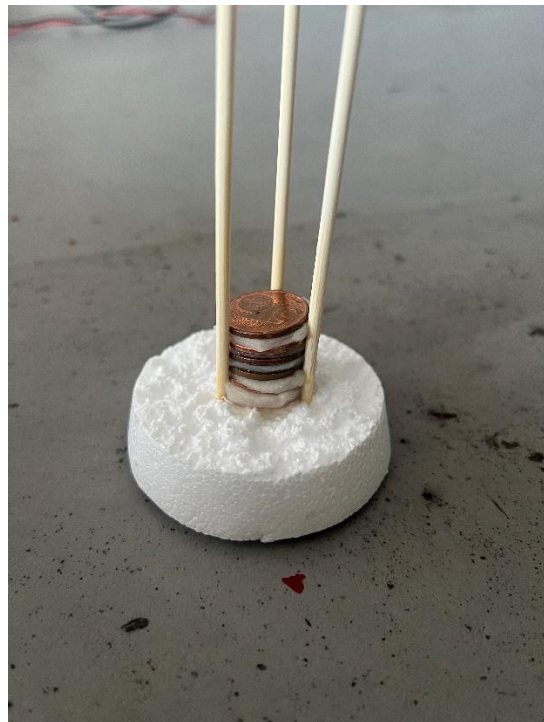
Step 3: Assemble the pieces and the cotton discs.

Estimated time: 15 minutes

- Cut the cotton discs to the size of the pieces.



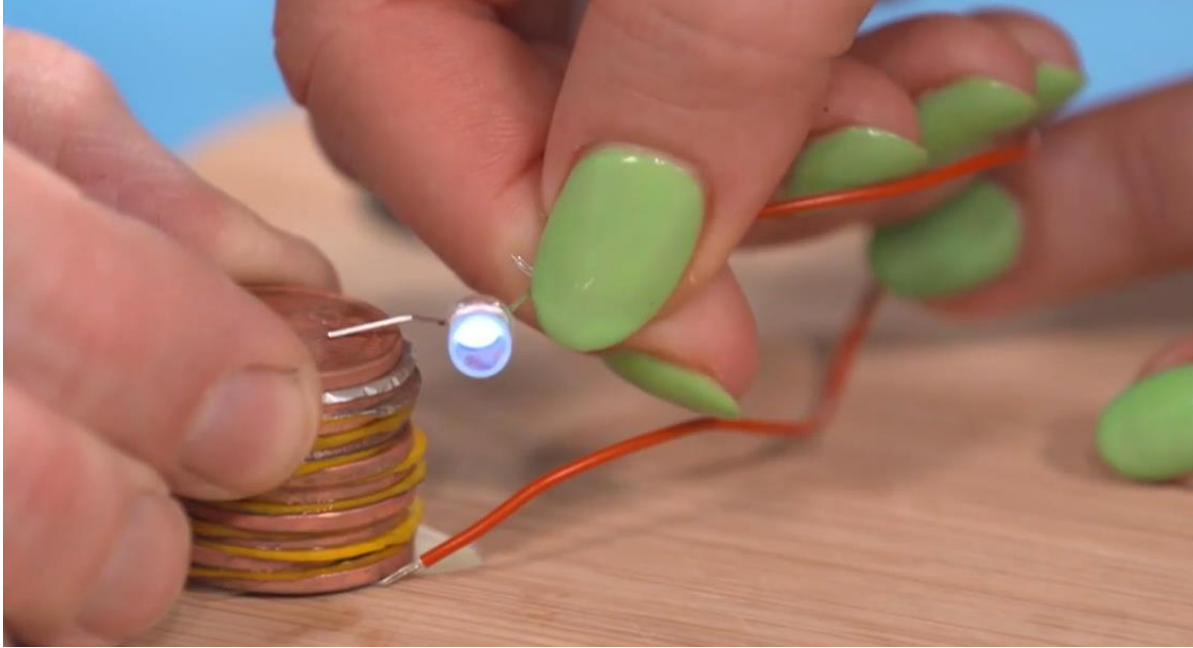
- Stack the pieces and the cotton discs soaked in lemon juice alternately.



Step 4: Test your battery

Estimated time: 5 minutes

- Kada je izrada gotova, postavite kraj (ogoljene) električne žice ispod hrpe kovanica. Provucite diodu ili je postavite na drugi kraj ogoljene žice i dodirnite dio na vrhu baterije. Promatrajte svijetli li dioda.



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