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2018  
2020



Erasmus+

## YEAR 1

### LET'S BUILD A CATAPULT!

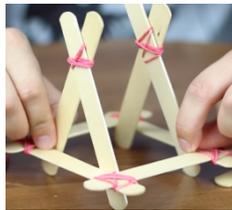
<b>OVERVIEW</b>	<p>Leonardo Da Vinci was a genius and we know he designed some inventions. Today we will learn more about his catapult.</p> <p>With some easy craft materials we will build our own catapult like Leonardo.</p>
<b>LEARNING OBJECTIVES</b>	<ul style="list-style-type: none"><li>- To know more about Leonardo's designs.</li><li>- To work cooperatively helping each others.</li><li>- To follow the steps using visual scaffolding.</li><li>- To share material to achieve the goals.</li></ul>
<b>TIMES</b>	One hour session
<b>HUMAN RESOURCES</b>	1 teachers each group
<b>RESOURCES</b>	<p>To build ONE catapult we need: 11 ice cream sticks, 15 rubber bands, 1 Nespresso capsule, one small ball and hot silicone glue.</p> <p>Video: <a href="https://www.youtube.com/watch?v=WpLFC_SOpXs">https://www.youtube.com/watch?v=WpLFC_SOpXs</a></p>
<b>STEPS</b>	<p>In groups, play the instructive video following the steps in order to build the catapult:</p> <ul style="list-style-type: none"><li>- Start tying two ice cream sticks together with the rubber band. (x2)</li></ul>



- Make the base of the catapult putting together four sticks in a square shape using the rubber bands.



- Tie the previous forms to the base with the rubber bands. (x2)



- Add one more stick horizontally between the previous structures and tie it with 2 rubber bands.



- Do the same on the top of the structures. This one will stop the catapult mechanism.

	 <ul style="list-style-type: none"> <li>- Finally stick a Nespresso capsule with silicone. Put this ice cream stick vertical between the two horizontal sticks and tie it. The capsule has to be on top and the rubber band to tie it down.</li> </ul> 
<b>EVALUATION</b>	Conversation: ask questions to know if they've enjoyed the activity, why yes, why not? Was it difficult?
<b>ASSESSMENT</b>	<ul style="list-style-type: none"> <li>- The pupils know how to build a catapult.</li> <li>- The pupils are able to work and participate actively in teams following some simple teacher rules.</li> </ul>
<b>METHODOLOGY</b>	<p>Cooperative learning</p> <p>Group work</p>



Co-funded by the  
Erasmus+ Programme  
of the European Union