

Leaning Tower of Pisa - chalk tower

Name of the object and creator	Leaning Tower of Pisa - chalk tower				
Recommended ages	7-11				
Thematic areas combined (STEAM)	Sciences	Technology	Engineering	Arts	Mathematics
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Materials needed	<ul style="list-style-type: none"> • Cardboard rolls • Gypsum • Coloured paint • Water • Tape, scissors, ruler, pencil, protractor 				
Outline of the steps	<ol style="list-style-type: none"> 1. Making a cardboard roll 2. Preparing the chalk mixture 3. Molding a chalk tower 4. Ready tower 				
References	крокотак ТЕБЕШИРИ ЗА РИСУВАНЕ – направи си сам (krokotak.com) (Drawing chalks - do it yourself)				

STEP BY STEP: How to build a chalk tower

Step 1: Making a cardboard roll

Estimated time: 15 min

Take a sheet of cardboard, measure the desired length and glue both ends. The bottom of the roll is also made of cardboard. It is cut at an angle to resemble the slope of the tower of Pisa. It is used as a template for pouring the chalk mixture.



Step 2: Preparation of chalk mixture

Estimated time: 5 min

In a plastic cup put gypsum powder (a little more than half of the cup), 2 large tablespoons of tempera paint. Then top up with water, stir until a thin paste is formed.



Step 3: Casting of chalk tower

Estimated time: 1 hour

Quickly pour the prepared mixture into the paper roll, to which the bottom is already glued. Let the mixture harden in the sun and after about 1 hour remove the paper wrapping. The chalk are completely done when they are thoroughly dry.



Step 4: Ready tower

Estimated time: 20 min

The finished chalk tower is used outdoors to paint the Tower of Pisa .



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