


Build your parachute

Name of the object and creator	Build your parachute Natalija Jurlina, math teacher at Lovre pl.Matačića Elementary school				
Recommended ages	8-10				
Thematic areas combined (STEAM)	Sciences	Technology	Engineering	Arts	Mathematics
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Materials needed	<ul style="list-style-type: none"> • wooden sticks • Rope • plastic bags • hot glue • "parachutists" (toy or some other object) • a ruler, scissors 				
Outline of the steps	<ol style="list-style-type: none"> 1. Prepare the necessary material for work 2. Follow the described stages of making a parachute 3. Measurement of the landing time 				
References	https://www.youtube.com/watch?v=BRh3Ca96cgE http://faust.knjiznica-sibenik.hr/hr/faust-vrancic/ https://hr.izzi.digital/DOS/10180/17354.html Watch the video				

STEP BY STEP: How to build your parachute

Step 1: Cutting

Estimated time: 5 min

Cut a plastic bag in the shape of a square.

Put 4 wooden sticks on the back of the plastic bag.



Step 2: Measuring length of rope

Estimated time: 5 min

Measure and cut 4 pieces of rope of equal length.



Step 3: Rope positioning

Estimated time: 5 min

Prepare ropes for gluing at the touch of wooden sticks.



Step 4: Gluing

Estimated time: 5 min

Glue the ropes and wooden sticks to the cut square plastic bag.



Step 5: Drying

Estimated time: 5 min

Wait for the glue to set.



Step 6: Measurement of landing time

Estimated time: 10 min

Wrap the paratrooper with all 4 ropes.

Drop the parachute from as high a height as possible.

Measurement of landing time.

[Watch the video](#)



Examples of student`s work



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