



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	Sciences	Technology	Engineering	Arts	Mathematics
combined (STEAM)	Ø	Ø	☑		Ø
Materials needed	 wooden sticks Rope plastic bags hot glue "parachutists" (toy or some other object) a ruler, scissors 				
Outline of the steps	 Prepare the necessary material for work Follow the described stages of making a parachute 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.



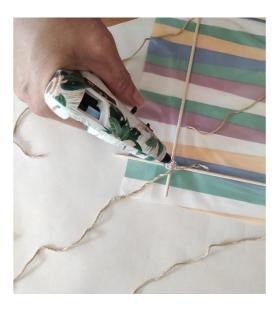




Step 4: Gluing

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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