

Make your own juggling balls and learn how to juggle

Name of the object and creator	Juggling balls Marko Blažević, technical education teacher at Lovre pl.Matačića Elementary school				
Recommended ages	6-11				
Thematic areas combined (STEAM)	Sciences	Technology	Engineering	Arts	Mathematics
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Materials needed	<ul style="list-style-type: none"> • Sandwich bags or poop bags • Ballons • Sand, Rice, birdseed or some sandy material • Scalpel or scissors • Scotch tape or duck tape • Scale 				
Outline of the steps	<ol style="list-style-type: none"> 1. Prepare materials to make juggling ball 2. By following blueprints, each student or pair of students make their own juggling balls 3. Students will be watching tutorial how to juggle 				
References	https://kidscraftroom.com/how-to-make-juggling-balls-kids-circus-skills/ https://drive.google.com/file/d/1Gv267OQHJsHEPa4IWUQ58Gr9wXbDKDMb/view				

STEP BY STEP: How to build your own juggling balls

Step 1: Material preparation

Estimated time: 5 min

- Collect all the necessary materials



Step 2: Measuring

Estimated time: 5 min

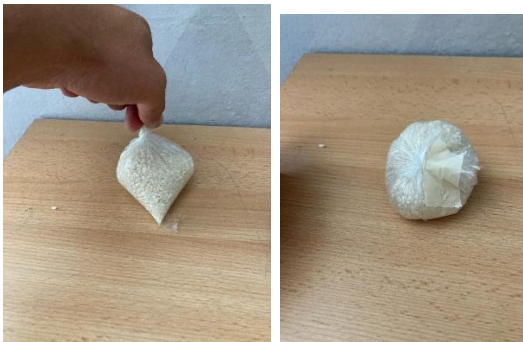
- Measure 90-100 g of loose material in the scale
- Pour the material into the sandwich bag



Step 3: Making ball

Estimated time: 5 min

- Twist the sandwich bag closed making sure you have expelled all the air
- Pull the remaining bag over the first knot and wrap the ball again
- Repeat until the whole length of the bag is used and you have a tight neat bag
- Stick the last part of the sandwich bag with tape



Step 4: Decoration

Estimated time: 5 min

- Cut the neck off your balloon and wrap the balloon round the bag
- Cut a second balloon same as the first and wrap the balloon round the covered bag, hole side first



Step 5: Repeat

Estimated time: 30 min

- Repeat this procedure for another two balls to make 3 juggling balls



Step 6: Juggling

Estimated time: 10 min

- Watch tutorial (see pedagogical material) how to juggle 3 balls and try to juggle

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