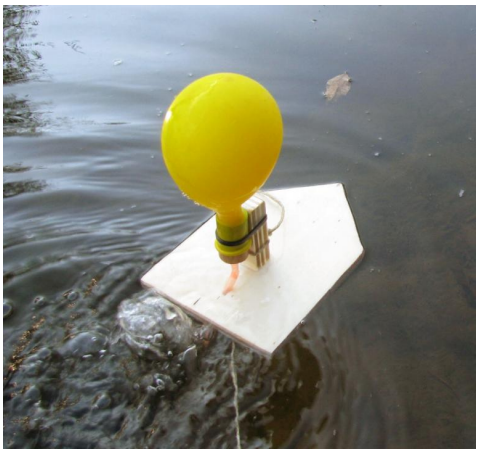


SUBMITTED BY
Ramba

ON
2014.08.11

★ ★ ★ ★ ★
Keine Stimmen

Balloon boat



With the compressed air in the balloon, these boats swim fast and quite a long distance. Try different hoses, tubes, woods, balloons and tapers (narrowing at the air outlet) and see with which setting you get the farthest.

Material

- Base plate made of wood (160x110x10mm)
- Square wood (55x15x15mm)
- Roundwood (20x35mm)
- 1x tubes (straw)
- 2x balloon (1x spare)
- 1x cable tie
- Borm machine with 5mm borer
- Sage
- Wood glue

Propulsion Principle

The recoil principle is a consequence of Newton's 3rd axiom, when body A exerts a force on another body B, the body B exerts an equal force on A in the opposite direction. Simply put, the air that escapes "pushes" the boat forward - so it moves.

Building instructions - boat

Saw out a boat shape from a light wood 160x110x10mm and sand it cleanly.

||

According to the template, drill an oblique hole in the boat and glue a square wood 55x15x15mm onto the boat.

Building instructions - drive

The drive is done as mentioned above by the air that flows out of the balloon. A roundwood to 20x35mm saw and sand well so that the balloon is not broken.

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In the roundwood a 5mm hole completely durchbohren.

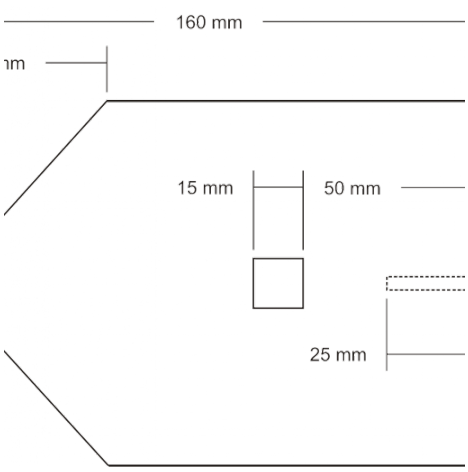
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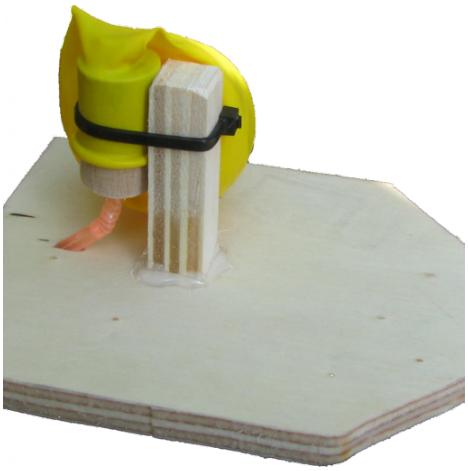
Nun a balloon over the roundwood stülpen.

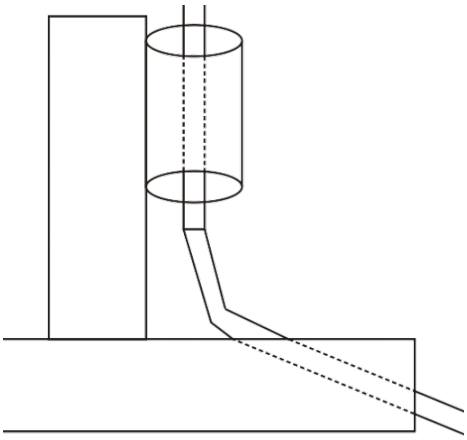
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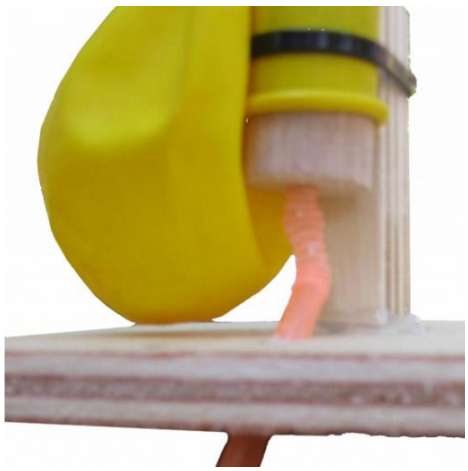
Then put a tube (straw) through the hole in the boat, bend it slightly and put it through the roundwood, attach the roundwood with a cable tie to the square bar.

Images













Images

Templates

Balloon_Boat_Basic_planan_01

Sources

- **Cover image and images:** © Ronnie Berzins, www.kreativekiste.de
- **File "Luftballon_Boot_Grundplan_01.png":** © Ronnie Berzins, www.kreativekiste.de

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