

## How to Make a Stick Raft

Use these instructions from <http://www.theboyandme.co.uk/2013/08/05/how-to-make-a-stick-raft-43/> as a starting point for making a stick raft.

Offer children a range of materials to create their own raft \*see ideas noted below

You will need:

- 4 sticks of equal length for the frame
- around 8-10 sticks of the same length as those for the frame to create the bed of the raft (straws/lolly sticks)
- long grass reeds/stems (masking tape/string/plastic coated garden wire)
- 1 large leaf for the sail (paper or foam)
- 1 stick for the mast

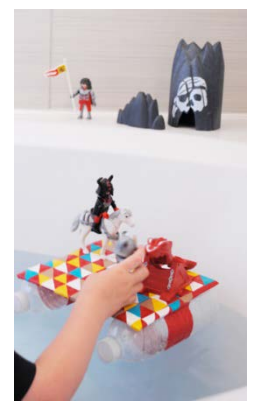
1. Lay the four sticks for the frame on top of each other to judge size. Carefully wind a long grass reed around each of the joins, overlapping and winding from one corner to the other. This will hold them in place. Complete for each corner.
2. Once the frame is completed, fix each stick to the frame to make the bed of the raft, winding the grass over in a cross fashion as above. Continue until the base is covered, there *will* be gaps in between each stick.
3. Use one stick as the mast and a large leaf as the sail. Make two small holes to push the mast through. We actually tied a large frond of leaves to the mast instead.
4. Insert into a gap in between two of the sticks; carefully wrap grass around to fix it into place.
5. The raft is ready for sailing



## How to make a stick raft



### Alternative raft/boat ideas

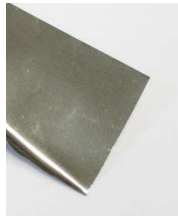


Resource suggestions: pool noodles, foam sheets, corks, card, plastic bottle, duct tape, kebab sticks

## Boat challenge!

You will need:

foil



a tray of water



some coins



How many coins can your boat hold before it sinks?

1. Create a boat shape from a foil square/rectangle. Your boat can be as big or as small as you like. Make sure the sides are high enough so that the water stays out.



2. Float your boat on the water



3. Fill your boat with as many coins as you can before it sinks



- **Challenge a friend to create a boat that can hold more coins than your boat.**