

THE HOUSE THAT SHE BUILT

Think Like An Engineer!



Age Recommendation: All ages!

Object: Engineers make structures strong and safe. Build a structure that can withstand the weight of a water balloon.

Instructions: Build the strongest spaghetti house that can support the water balloon using only the resources provided.

Materials: 1 water-filled balloon the size of a mango, one small box of dried spaghetti noodles, one roll masking tape

Tips/Variations:

- Take away a team member part way through
- Implement no talking
- Allow teams to share or trade resources
- Give a time limit and make it a race
- This activity can also be done with any materials available (ex. cups, popsicles, sticks, tape, etc.)!



Processing Questions:

What was easy about this project?

What was a challenge?

Do you have a favorite material you used to build the house?

Creativity and art are part of many skills that go into building a home. Choosing materials that are strong is so important!

