

STEM Fairy Tale Challenge:

Think like an engineer: Design wind-resistant houses.



Each of the Three Little Pigs had a house made of a different material. The Big Bad Wolf tried to blow them down. Your challenge is to try to build three sturdy houses!

1. Together, brainstorm what kind of materials you can use to represent the three pigs' houses: straw, sticks, and bricks.
2. Draw the houses. Think about what other materials you might need. (Will you use something sticky to hold them together, something to tie them, or will you just stack them?)
3. Gather materials around the house/from outside.
4. Put together your designs.
5. Use a fan to create a breeze. or let your child huff and puff, to test the designs! Did any of them hold together?
6. If any fell down, what can you try to strengthen them?
Redesign them. Test again!

*Send us a photo of your work at **illml@cwmars.org**
and we will feature it on our social media!
(We will not share your contact information.)*