

THREE LITTLE PIGS ACTIVITY

TO DO:

The Wolf is huffing and puffing and the pigs need a strong and safe house to protect them. Can you design and build a house that will not blow away?

ACTIVITY INSTRUCTIONS: WHAT WILL CHILDREN BE DOING?

In this activity children will act as engineers in order to help the three little pigs build a house that protects them from the wolf.

Use the resources below to build a house then ask an adult to use a hair dryer or fan as the 'puff' to test your design.

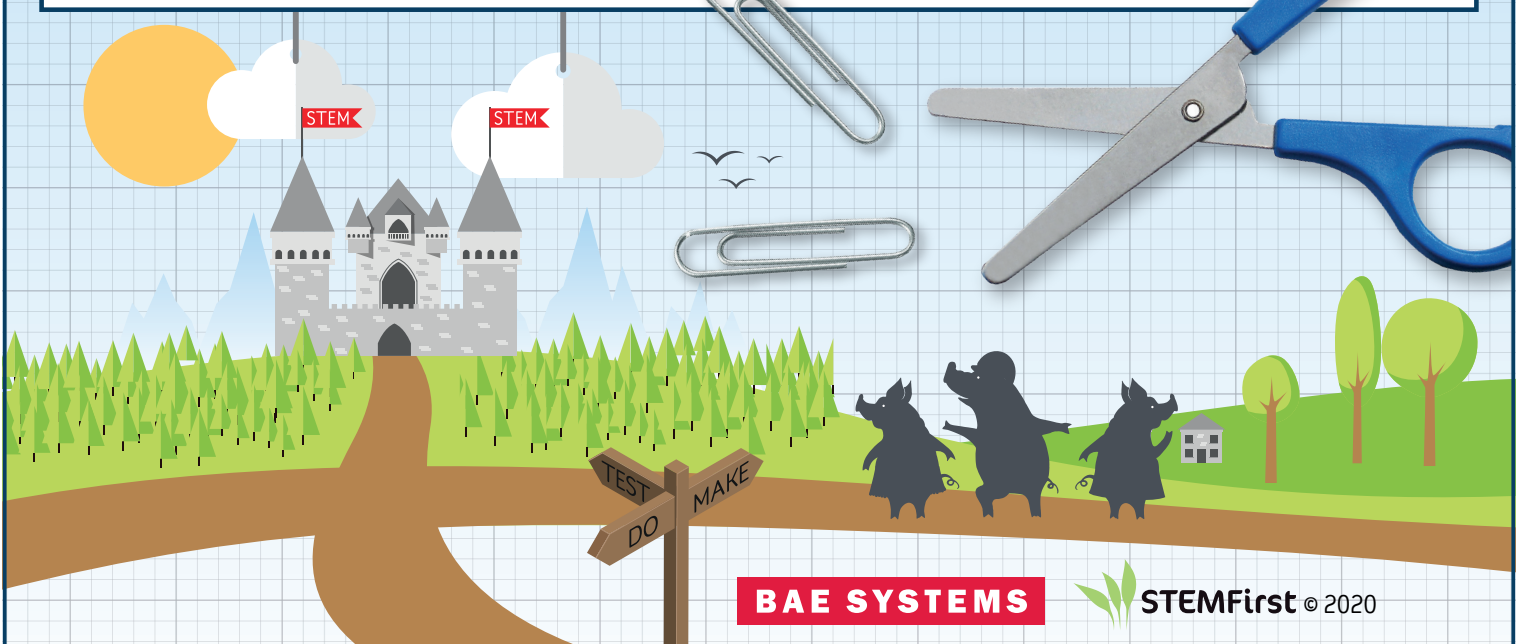
Think about what would make a strong house and come up with some ideas. Work together to build, test and improve a design and then allow children to demonstrate how their design works. Ask them to tell you what they did. Test it and then make any improvements to make sure it doesn't blow down! You are now working just like real engineers!

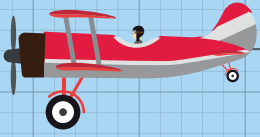
RESOURCES YOU COULD USE INCLUDE:

Use the following to build a house for the pigs. These are just suggestions – just use items you have available!

- Tape
- Straws
- Cardboard
- Fan / hairdryer 30 cm away from your design
- Scissors
- Plastic / paper cups
- Markers / pens
- Lolly sticks
- Tinfoil
- Egg boxes

- Ask an adult to use a hair dryer or electric fan to try to blow your house down.
- Test the house as you go along and keep making changes until your design is perfect!
- Remember the fan needs to be the same distance away and running at the same setting each time you test to make it fair.





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STEM IN THE STORY:

What skills did each of the pigs have that they could use in the final design?

- Skills are things like communication, time keeping, teamwork, problem solving or application of knowledge.

TALK TO YOUR LITTLE ENGINEERS ABOUT:

What would happen if we turned up the fan / moved it closer?

Ask the children to tell you what they are good at? Are they creative and good at thinking up ideas? Are they good at making things? Maybe they are persistent and keep going until something is perfect! All these 'skills' are really important within STEM and Engineering.

Need inspiration? Then look at our STEM Ambassadors examples!

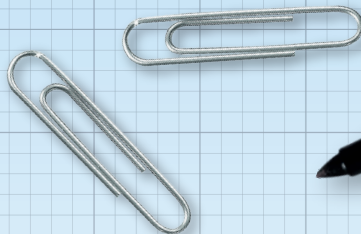
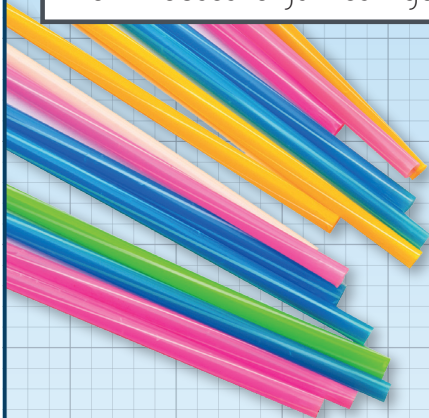
HELPFUL HINTS:

What would make a house strong and safe for the pigs?

FOLLOW ON ACTIVITY:

Could you design a game using straws and ping pong balls that uses your huff and puff? What rules would you make up? How would you score?

Did you know that Engineering and Science is everywhere? Engineers design and make everything from houses to games – your engineering skills can be used for anything!



TAKE CARE:

In all of these activities please make sure you are working safely. Please have fun but supervise your children to make sure your environment is safe and you take care with any craft equipment or materials you are using. Engineers and Scientists always do!

