

# STEAM ON!

## BUILD AN A FRAME SHELTER!

One of the most important things to think about on your adventure island is shelter! Your shelter needs to protect you from the weather and the cold. It needs to be strong and efficient. A triangle is a very strong shape. One building technique that uses the strength of triangles is the A-frame.



For this project you'll need:

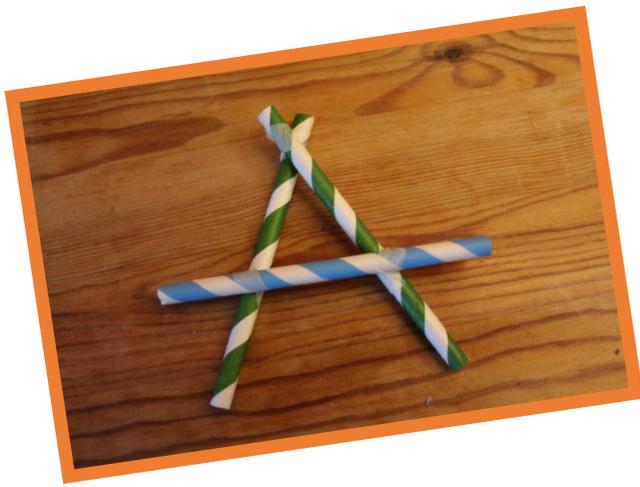
- Some straws, coffee stirrers or other thin straight things
- Paper or fabric to cover (optional)

Cut six equal size pieces of straw.



Tape two of them together to make the top two sides of a triangle,

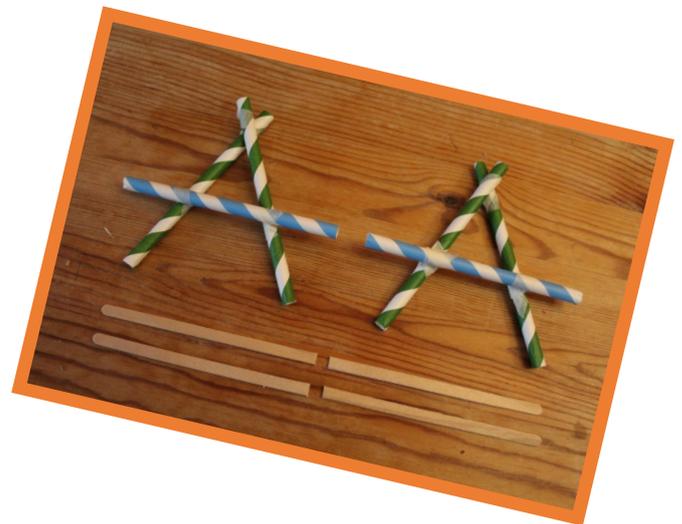
# STEAM ON!



Make a second A shape. Then cut some equal length strips of coffee stirrer (or other straight thin things).

# BUILD AN A-FRAME SHELTER!!

Tape a third piece of straw to the first two, making a shape like the letter A.



Tape one piece of stirrer between the cross bars on one side of your A shapes so they stand up on their own.



Then do the same on the other side and along the top so the frame is sturdy and doesn't move.



# STEAM ON!



Cut a strip that will just cover your frame.

# BUILD AN A-FRAME SHELTER!!

Once our frame is complete, it's time to cover it with something to keep out the weather. In real life this might be canvas or a plastic sheet. For this model I'm using some spare fabric.



Use some double sided tape if you have it, to stick the fabric down.

This makes a cosy little tent!



# STEAM ON!



In the wilderness of your island, you might not have any plastic sheeting etc. Instead, you could use lots of spare branches layered up.



These are two shelter building options, experiment with you're a frames and try out all different structures and materials.

You could even test them out as a full sized den!

And don't forget to share your shelters on our gallery!

# BUILD AN A-FRAME SHELTER!!

To help the fabric fit over your frame and to make your shelter tidier, you can trim the spare ends of your crossbars.



Get a lot of straight things about the right length. Then lean them all up against the sides of your frame.

