



Family Storytelling Sessions

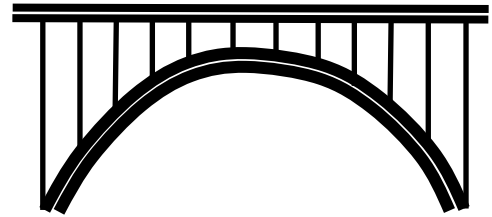
Book: Iggy Peck, Architect

A Supported Children's Activity

Learning Aims: to explore material properties, shapes, and to construct a bridge design of the child's own choosing.

Be an architect like Iggy Peck...

Learn how to make: **spaghetti bridges**



You will need:



Raw Spaghetti (or cocktail sticks for very young children)



Marshmallows

Challenges:

Challenge 1: Materials Science!

Discuss the properties of the materials with your child

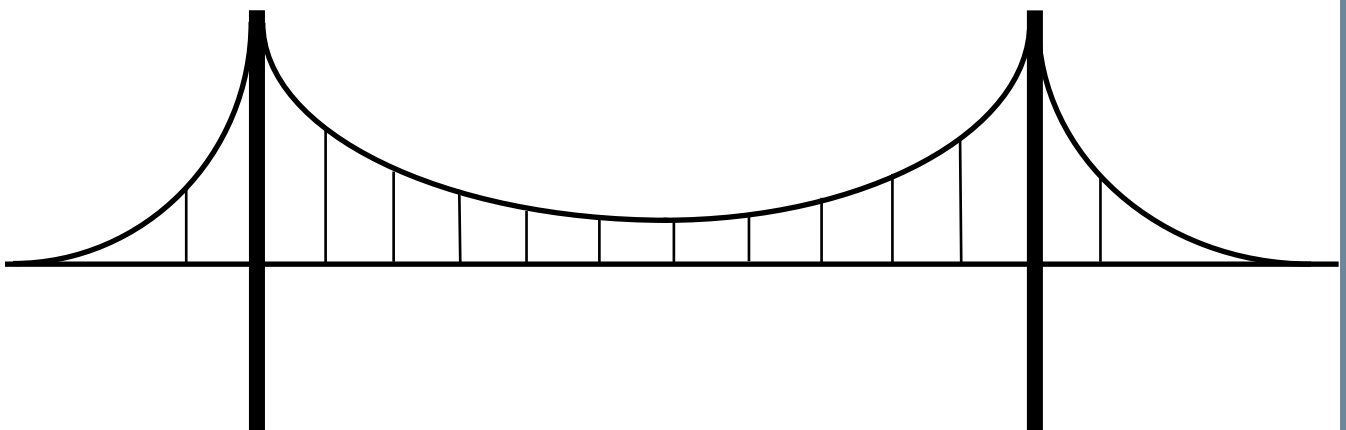
Is the spaghetti **flexible**? Does it wiggle and bend?

Is the marshmallow **soft**? Is it squidgy like a teddy?

Is the spaghetti **brittle**? Does it easily snap and break?

Is the marshmallow **transparent or opaque**? Can you see through it?

Would these **properties change** if we cooked it?





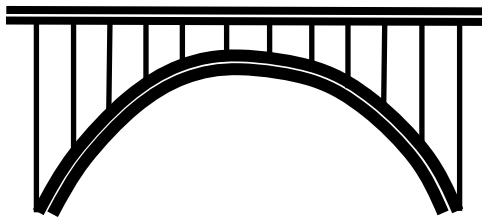
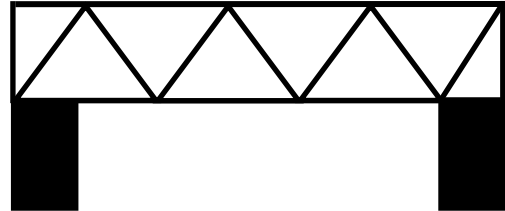
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Challenge 2: Shape Shifter!

Together, have a look at the bridge designs on this page and see if you can identify some common shapes.

Hint ask your child to trace around what shapes they can see with their finger as this develops fine motor control. Try and find an arch, a triangle, and a rectangle.



Challenge 4: Architect!

Can you join the shapes together to make a fully-blown bridge like Iggy Peck?

Experiment to see if a soft toy or toy car can be supported by your structure!

Resilience encourage your child to keep trying if it doesn't work right away!

Challenge 3: Shape Maker!

Using the marshmallows as the glue, can you work together to make some of these shapes out of spaghetti?

Discuss could you make the spaghetti stronger by using lots of strands?

Help! if the spaghetti causes frustration, you can substitute cocktail sticks.

