

## Activity Sheet #3 – Beautiful Builds



# JOURNEY THROUGH TIME



### BUILD A BRIDGE

Ancient Romans often used arches in their designs, which allowed a bridge to withstand more force. They are renowned for their large, permanent bridges.



Now it's your turn!

Try to build a bridge that can hold as much weight as possible. You can use whatever materials you have at home or pick up something from the dollar store.

Possible materials:

- Popsicle sticks or toothpicks and liquid glue or elastic bands
- Uncooked spaghetti and elastic bands
- Straws and clear tape
- Building blocks or Lego
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Need some ideas? Try this video that shows a few different bridge designs and how to build with spaghetti!

#### Video:

Educational Activities for Kids: Spaghetti Bridges



**Youtube Channel:** James Dyson Foundation

When you have built your bridge, test how much weight it can hold. Try using small stones in a bowl, tin cans, free weights or books.



### OUT & ABOUT

Go for a walk in your neighbourhood with a notebook or piece of paper and write down all the buildings, streets and other landmarks you see. When you get home, try to draw a map of your neighbourhood, including all the landmarks you found.

**More fun:** Imagine you can time travel to your neighbourhood 50 years in the future. What will it look like? Will the buildings look the same? What will be different? Draw a map of what your area will look like in the future – don't forget to label all the changes!



### TAKE A LOOK AT THESE BOOKS

Here are some titles that might be at your library. Ask staff for other recommendations!

*Atlas of Amazing Architecture* by Peter Allen

*The Bridge Battle* by Jacqueline Davies

*Amazing Landmarks* by R.S. Rajan

*The Bridge Home* by Padma Venkatraman

*How Emily Saved the Bridge* by Frieda Wishinsky

*Bridges: Engineering Masterpieces* by Dan Zettwoch



### JOKES

Q: What are 10 things you can always count on?

A: Your Fingers.

Q: Why was the geometry teacher late to class?

A: She sprained her angle.

Q: Why was six afraid of seven?

A: Because seven, eight, nine.

Q: Why was the math textbook always so sad?

A: It had a ton of problems.