

Glorious Georgians

A day in the life of a Georgian child



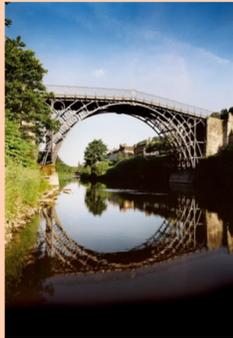
Summer Staycation Club!



Georgian science: Bridge Challenge

6+

You will need:
Dry (uncooked) spaghetti
Marshmallows
Chocolate goods
Tins



Iron Bridge- Telford built in 1781 by Abraham Darby III



Designed by Isambard Kingdom Brunel, the Clifton Suspension Bridge wasn't finished until the 1850s, However the secret of its strength is the pilings to stop it being washed away by flooding- these were designed by a woman called Sarah Guppy and patented in 1811.



Much less showy, but having stood the test of time, Cannon Hall's Georgian footbridge runs alongside a Georgian ford, next time you visit see if you can spot the stonework in the water if you look closely.

As the Industrial Age really took off, Georgian engineers started to think about how to transport heavy goods like coal and iron across the country and as a result some amazing bridges were made that are still standing today.

The Challenge

To create a bridge that can span between two tin cans.

Your bridge:

- Must be at least 30cm long
- Must only be made using spaghetti and marshmallows
- Must be strong enough to hold a range of chocolate quantities.

Split into teams or work alone and start the timer. You have one hour to build a strong bridge. At the end of the hour test which bridge is the strongest by placing different quantities of chocolate on the bridges in turn to see which falls first. The winner of the strongest bridge wins the chocolate.

