



# Inventors Lab- bridging

Grades 4 and up



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# What is a Zipline?

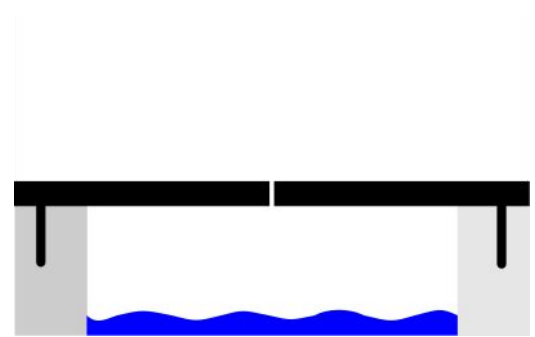
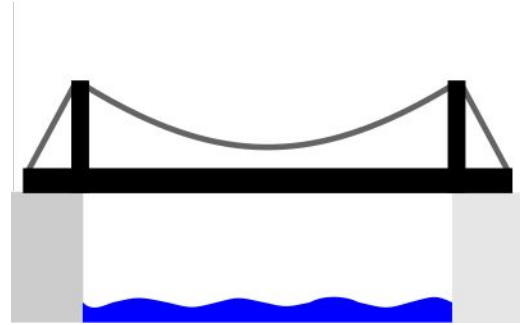
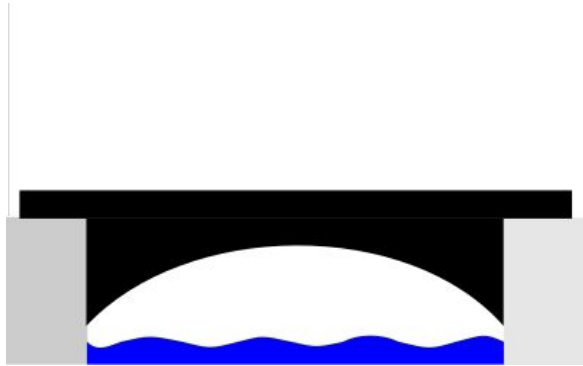
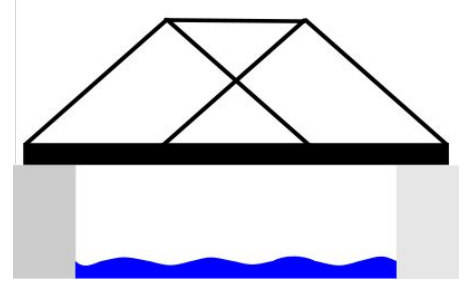
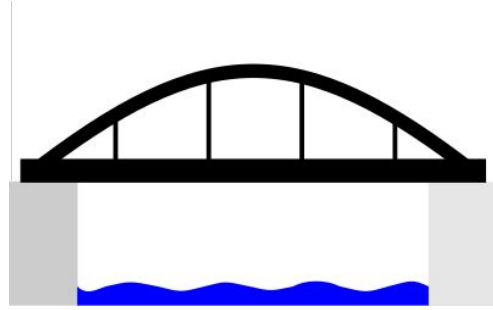
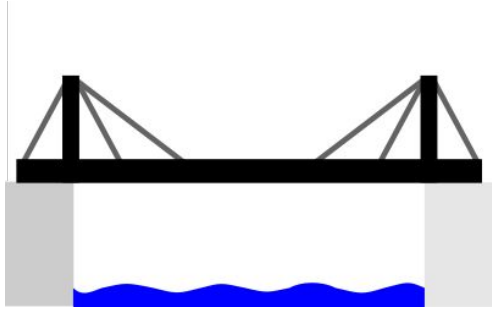
A **zip line** consists of a **pulley** suspended on a **cable** mounted on a **slope**. It is designed to enable **cargo** or a person propelled by **gravity** to travel from the top to the bottom of the inclined cable by holding on to or being attached to the freely moving pulley.



# What is a Bridge?

A **bridge** is a **structure** built to **span** a physical obstacle, such as a **body of water**, **valley**, or **road**, without closing the way underneath.

There are many different designs that each serve a particular purpose and apply to different situations.



What are you using to connect  
two landscapes?

You will be using recyclables to build all of it!

Challenge yourself by building a  
bridge or a zipline

Or both?



