

# Brilliant Bridges

## Amazing Fact

The Boston University Bridge is the only place in America where a boat can sail under a train, a car can drive above a train and a plane could fly overhead!

## Challenge

There are many different designs that each serve a particular purpose. Designs of bridges vary depending on the function of the bridge, the nature of the ground underneath, where the bridge is constructed and anchored, the material used to make it, and the money available to build it.

Use the Internet, non-fiction books and discussions with your friends to find out what each type of bridge looks like, is used for and also some examples of this type of bridge.

Bridge Type	Sketch	Examples of this type of bridge and what it is used for
suspension bridge		
beam bridge		
arch bridge		
tied arch bridge		
cantilever bridge		

You could also try to find out:

- which bridge has the most lanes of traffic;
- which bridge carries the most different types of transport;
- what Spaghetti Junction is;
- what traffic junctions look like from the air.

