

Investigating Bridges

Amazing Fact

The Sidu River Bridge in China has been the world's highest bridge since 2009. It is 496 metres above the valley floor.

Challenge

See if you can make a paper bridge which will take the weight of a marble rolling along it.

Investigate how long the bridge can be before it collapses with the weight of the marble.

The 'bridge' must rest on two surfaces and stand at least 30cm from the ground. The marble must begin rolling from one end and reach the other end without the bridge collapsing!



Predict what you think will happen and then investigate.

My prediction:	What I found out:
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

You could also try to find out:

- how many different types of bridge there are;
- what the longest bridge is;
- where the oldest known bridge is;
- about bridges that have collapsed.

