

Structures: bridges and load

engineering

Words to use

Load · Span · Bridge shape

Our question

Which bridge shape holds the most load before it fails?

I predict...because...

Our design choice: how we will form the folded ridges, and make the truss triangles

Bridge shape, card used and load held

Bridge shape	Strips used	Load held (count)	Class load held
Flat			
Folded			
Arched			
Trussed			

Look at the class bar chart on the board. Which bar is tallest? What does that tell us about shape?

Did the strongest shape also use more card from the budget?

Which shape held most in our group, and did that match our prediction?