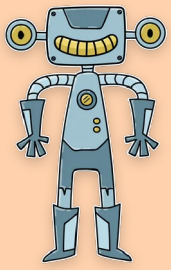
SCIENCE · SIMPLE MACHINES AND ENGINEERING · GRADES 2–5

Paper Bridge Challenge

An engineering challenge: fold a paper bridge between two stacks of books and see how many pennies it holds.



Name: _____ **Date:** _____

The challenge: make two stacks of books 20 cm apart. Build a bridge from one sheet of paper (no tape!) that holds as many pennies as it can in the middle.

Design 1: draw how you fold the paper.

Design 2: try a new fold.

Design	Pennies it held	What happened?
1		
2		
3		

Which fold was strongest? Why do you think it worked?

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