

# Build the Bridge

Design a bridge between two books and test how much weight it can hold.

30 min

Easy

## Your Challenge

Build a bridge between two books that can hold as much weight as possible.

## What You'll Need

- Paper
- Tape
- Two books
- Coins or small objects
- Cardboard, optional

## Talk About It

- What worked well?
- When did the bridge start to bend?
- What change helped the most?
- What would you try next?



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## Caregiver Tip

You do not need to give the answer. Ask a question, notice what happens, and let your child decide what to try next.

# Build the Bridge

Step-by-step activity guide

30 min

Easy

## What to Do

- 1 Place two books a short distance apart.
- 2 Build a bridge between them using paper or cardboard.
- 3 Add coins or small objects one at a time.
- 4 Watch what happens. Does the bridge bend, collapse, or stay strong?
- 5 Change one part of your design.
- 6 Test your bridge again.
- 7 Try to make it hold more weight than before.



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## Engineer Again

Try a completely different bridge design, or use fewer materials while keeping it strong.