

# Push and pull: ties and struts

engineering

**What you need:** lolly sticks · string · masking tape or split pins · demo A-frame (pre-built) · structure photo cards (crane, cable-stayed bridge, tent) · light book or small soft object for the push-pull feel test

## Words to use

Tie · Strut · A-frame

## Our question

What can string do under a push or a pull, and what can a lolly stick do?

I predict...because...

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What we found out

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What can string do?

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What can a lolly stick do?

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Which one could only ever be a tie?

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On our A-frame: which part was the tie, which were the struts, and how we could tell

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