

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...

What we found out

What can string do?

What can a lolly stick do?

Which one could only ever be a tie?

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

