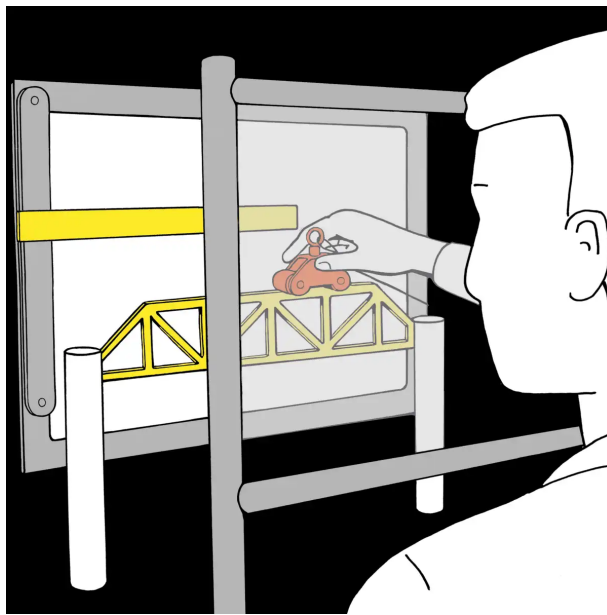


See the stress

Can you find the most stable bridge?



Mount the bridge structure on the white posts and look through the pane.

Roll the little trolley along the bridge, slightly pressing with the trolley on the bridge. How do the coloured bands change, when you press harder or less hard.

Try with the different bridge models. Compare the quantity and position of the coloured bands.

The coloured bands show where the bridge is stressed. The higher the stress, the more bands there are.

Notice how the stress is concentrated at sharp corners in the bridges – this is where cracks are most likely to start.