



Push and pull: ties and struts

5th Class

Print and cut along the dashed lines. These carry the **text a group reads** — a job to do, a brief to research, or notes to identify by. Check the lesson's teacher notes for how many sets each group needs and how they are used: some lessons hand out one card per group, others sort or sequence a full set.

Crane

A tall crane with cables running from the top of the tower out along the long arm, and a solid arm (jib) underneath

Cable-stayed bridge

A bridge with tall towers and cables fanning down to the deck

Tent

A ridge tent with poles and guy-ropes pegged into the ground. Lead with guy-ropes as the clear ties (stretched) and poles as the struts (pushed). Optionally add that the fabric is also being pulled tight — that is the same kind of job as a tie — if pupils notice it, but do not require them to point to fabric as the main tie example