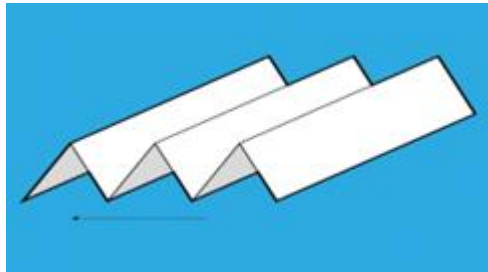




### Core Knowledge

- Know that folding paper makes it stronger
- Know that attaching things like straws, card and lolly sticks makes paper stronger
- An axle can be fixed or rotating



**A moving axle has sails attached to it and the whole axle moves.**

### Key Skills

- Concertina fold paper
- Safely cut materials, rotating the material and not the scissors
- Make a simple axle, both fixed and moving
- Explore methods to strengthen and stabilise materials

**A fixed axle is attached to the structure and the sails turn on the axle.**

### Key Vocabulary

Vocabulary	Definition
Structure	A 3D shape made from different materials and parts
Axle	The rod that goes through the centre of a machine to allow it to move
Turbine	A machine with sails/blades that spin around by pressure from water, air or steam
Sails	Sometimes called blades, the part of the windmill that catches the wind power to move

