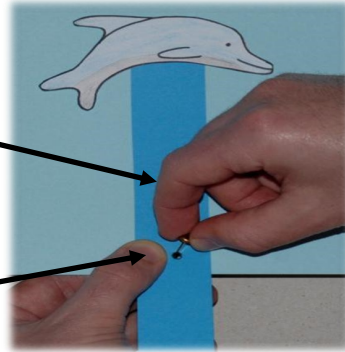


## Design Technology Year 2

### How many linkages do you need to make a bee fly?

1. **Levers**—A lever is a stiff piece of card that moves around a pivot.

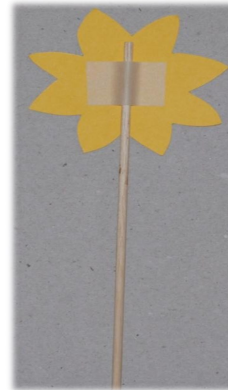


2. **Pivot**—A pivot is the central point in which a lever can turn or rotate. Pivots can be made using split pins.

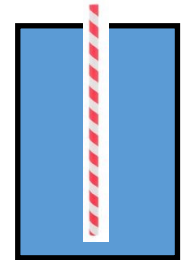
3. **Slider**—A lever that can be moved across, up or down to control a object and create movement. They can be made out of **dowel, straw or card**.

#### Sliders

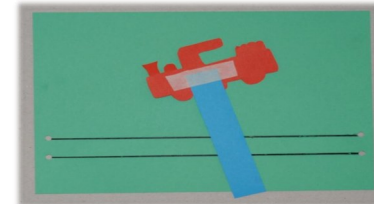
A slider made with dowel



A slider made with straw

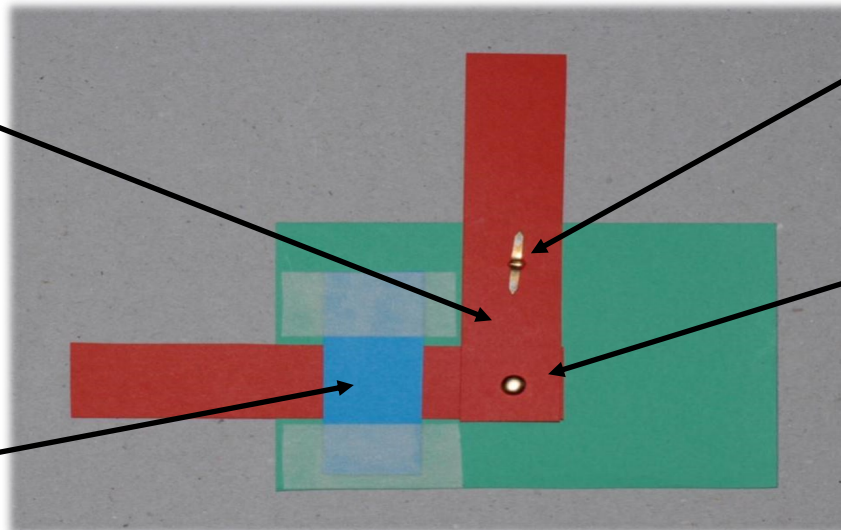


A slider made with card



6. **Linkage**—A linkage is when two levers join together to make some sort of change.

7. **Guide**—A guide is used to keep levers, linkages and sliders in place to control movement.



4. **Fixed pivot**—A split pin that joins card to the backing card.

5. **Moving pivot**—A split pin that joins card strips together.