Wonderful Air

Stomp Rocket

The stomp rocket takes off because of air pressure.

When a person jumps on the empty soft drink bottle the air inside it is forced out of the bottle. The only means of escape for the air is through the narrow neck and along the narrow hose.

The air from the bottle is compressed (squeezed) into the narrow space and the air pressure therefore increases. The air ‘explodes’ out of the end of the hose inside the rocket and the force of the air propels the rocket forward.

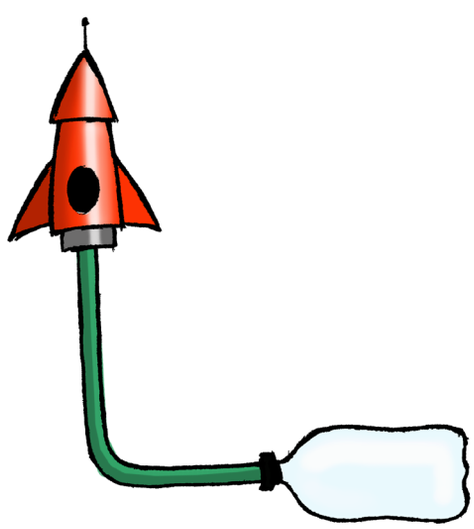

Fig 9:

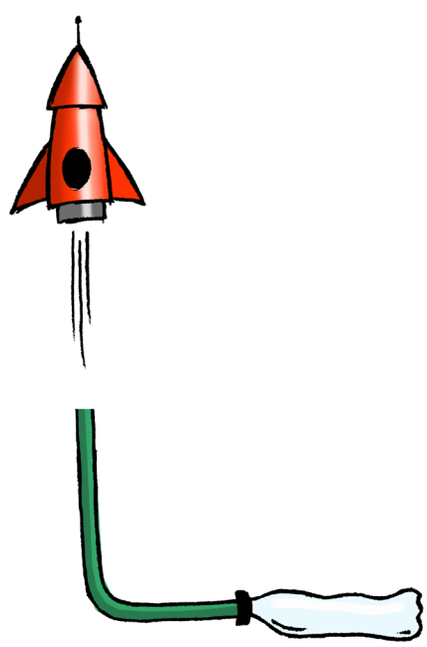
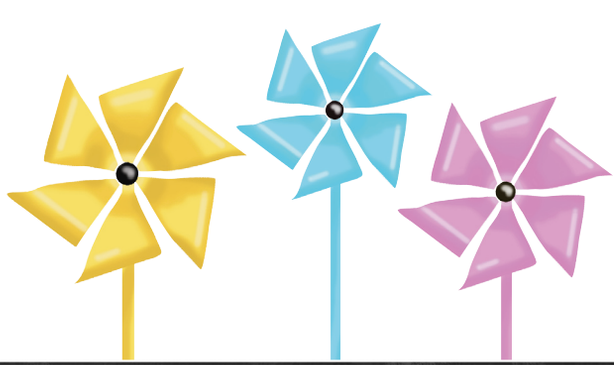
Fig 10: