

Make a Turbine

Year 5 - Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.

Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.

Organisation:

- The children can work in pairs or individually.
- Record predictions and observations using the Make a Turbine Recording Sheet.
- Allow discussion about what may happen and why.

Additional Information

The turbine explores Sir Isaac Newton's discovery that for every action there is an equal and opposite reaction. When the water pours out of the small hole, it forces the carton to move in the opposite direction, causing it to turn. The more holes there are, the faster the carton will turn.