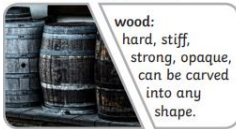


Key Vocabulary

Properties of Materials



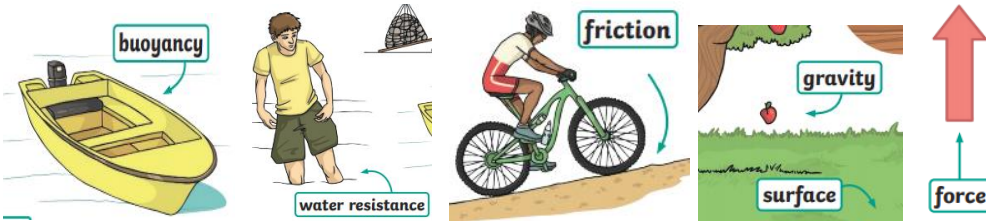
wood:
hard, stiff,
strong, opaque,
can be carved
into any
shape.



metal:
strong, hard,
easy to wash.

Key Vocabulary

materials	Materials are what objects are made from.
suitability	Suitability means having the properties which are right for a specific purpose.
properties	This is what a material is like and how it behaves (soft, stretchy, waterproof).



Significant Points



James Blyth

James Blyth invented the wind turbine in 1887. He used it to power the lights in his holiday home.

Isambard Kingdom Brunel – First Propeller for the SS Great Britain.

Key Skills

Research – Isambard Kingdom Brunel how the propeller/sail powers the ship. How wood/metal are good ship building material in floating but not sinking.

Sorting – tunnels, bridges, aqueducts

Investigate – steepness of slope and the surface of the slope

Focus on fair test – same vehicle used, same launch

Question – raise a question given the method of the test.

1. Investigate a vehicle's distance travelled on different slopes increasing in height.
2. Investigate the distance a vehicle travels on different surfaces with a fair test in mind.
3. Investigate different materials used for the best boat.