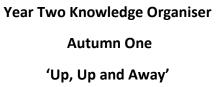
Dear Parents/ Carers,

Please can you help your child to prepare for this terms topic 'Up, Up and away' by helping them to learn the key vocabulary and the facts on this sheet to support their learning in Science and Design Technology lessons.

Thank you for your support

Year Two Staff





Squash an object by pushing both hands

Bending an object by grabbing both ends of the

object and bring the ends inwards together.

Properties of materials.



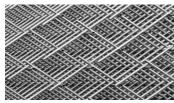
Wood: hard, stiff, strong, opaque, can be carved into any



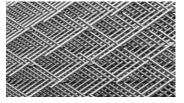
Glass Waterproof, Transparent, hard



Plastic: strong, waterproof. Can be made flexible if stiff.



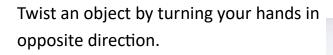
Metal: strong, hard and easy to wash.



Fabric: soft, flexible, hard wearing, can be stretchy, warm and absorbent.



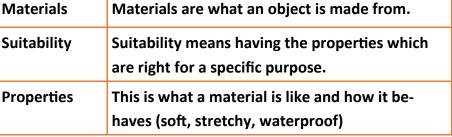
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together.

Stretch an object by pulling your hands slowly apart.





Design and Technology unit on flight

| Axle | A long straight rod which connects to the |
|--|--|
| | chassis. |
| Axle | This holds a free spinning axle stead and is |
| holder | connected to the chassis. |
| Chassis | The body of the wehicle. |
| Design | The goals of the project stating what the |
| Criteria | finished model needs to have included. |
| Jinks | A triangle that can be glued onto two pieces |
| corner | of wood to hold them together. |
| Masking | A tape that can be used to cover plastic |
| tape | which allows paint to adhere (stick) to it. |
| Measure | Using a ruler in centimetres (cm) to know |
| | how large each component needs to be. |
| Model | A practise version that lets you test out |
| | your ideas to see how it will look and work. |
| Wheel | A circular object that turns around. It can be |
| | fixed to the axle or be free spinning by hav- |
| | ing washers placed around it on the axle. |
| | The wheel allows the vehicle to move along |
| | the ground. |
| N Company of the Comp | |

Bi-plane





Jet plane

How do wheels move?
The wheels need to be round and balance the body
of the vehicle.



The wheels need to be fixed to the axle.

The wheels can be fixed and the axle can be free spinning by using an axle holder or the axle can be fixed and the wheels are free spinning



wheel

axle



A fixed wheel on a free spinning axle.

