

Knowledge Based Organiser
Year 2- Design and Technology -Homes- Autumn 2

Vocabulary	Word definition
hard	something that is solid and is not easily broken or bent.
weak	likely to break or fail under strain or pressure; not sturdy.
flexible	something that is easily bent without breaking.
smooth	a surface that is even and has no bumps.
transparent	something that is see-through, letting light pass through the object so that you can see through the object easily.
absorbent	able to soak up water, liquid, easily.
waterproof	a material that is waterproof keeps out water.
natural	an object that is made by nature not by humans.
synthetic	an object that is man made using chemicals, not made by nature.
coarse	a rough, uneven surface.
bouncy	to spring back or up after hitting something.
stable	fixed, firm, or steady in position, not shaky or easily moved.
material	matter or substance that objects are made from.
opaque	Something that you cannot see through, not transparent.

Questions:

1. Is paper a good material to build a house with?
2. Can you name a material which is waterproof?
3. What characteristics does plastic have?
4. Why is glass used for windows?
5. What does synthetic mean?
6. Name two natural materials.

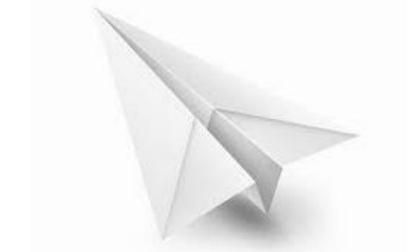


Knowledge Based Organiser
Year 2- Design and Technology-Flight structures- Spring 2

Vocabulary	Word definition
aeroplane	a powered flying machine with fixed wings.
glider	a light unpowered aircraft with wings.
propeller	a turning part with blades.
hot air balloon	a large bag filled with hot air or gasses that can carry passengers through the air in a basket.
heavy	weighing a lot, needing effort to lift or move.
light	weighing little, not heavy or powerful.
flexible	something that is easily bent without breaking.
stable	fixed, firm, or steady in position, not shaky or easily moved.
weak	likely to break or fail under strain or pressure; not sturdy.
streamline	very little resistance to a flow of air or water, increasing speed and ease of movement.
structure	a building or object that is made with lots of different parts.
equipment	items needed for an activity or purpose.
strong	able to withstand force, pressure or wear.

Questions:

1. Is a cube a good shape for an aeroplane?
2. Would wood be a good material to use for this model?
3. What is the difference between an aeroplane and a glider.
4. What equipment will you need to create this model?
5. Will the model need to be light or heavy?
6. What does streamline mean?



Knowledge Based Organiser
Year 2- Design and Technology- Cooking and nutrition- Summer 2

Vocabulary	Word definition
the 'eatwell' plate	this shows the amount of each of the 5 different food types we should eat for a balanced diet.
balanced diet	a diet consisting of a variety of different types of food.
food	anything that contains nutrients and is eaten by living creatures in order to maintain life, health, and growth.
nutrients	something in food that helps people, animals, and plants live and grow.
nutrition	the act or process of eating and using the nutrients in food for living and growing.
equipment	items needed for an activity or purpose.
food group	a group of foods that have similar nutritional properties.
food source	Where food comes from or is found.
fruit	the part of a plant that has seeds and flesh, most fruits are sweet and can be eaten raw.
vegetables	a plant or part of a plant that is used for food.
protein	a nutrient found in meats and other foods which helps the body grow and repair itself.
carbohydrates	A nutrient made by plants that is used in the body to make and store energy.
dairy	a nutrient made from milk or having to do with milk products, which helps bones and teeth to grow.
fats	a nutrient found in some parts of animals or plants that helps to keep the body warm.

Questions:

1. What are the five main food groups?
2. Which food group does pasta belong in?
3. Why is it important to have a balanced diet?
4. How many portions of fruit and vegetables should we be eating each day?
5. Can you name three foods which are carbohydrates?
6. Why is it important that we do not eat too many fatty foods?

