

Knowledge Based Organiser
Year 1 - Design and Technology - Spaceship Vehicles- Autumn 2

Vocabulary	Word definition
materials	matter or substance that objects are made from.
vehicle	a machine, usually with wheels and an engine, used for transporting people or objects.
wheel	a round object that turns on the axle which is fixed below a vehicle or other object to enable it to move easily over the ground.
axle	a rod that passes through the centre of a wheel, or wheels, to allow them to turn.
fixed axle	the axle is fixed to the body and the wheels are free to turn on the axle.
free axle	the wheels are fixed to the axle and the axle turns in a bigger tube called the bearing.
chassis	the frame that supports the body and engine in a vehicle.
equipment	items needed for an activity or purpose.
space station	a vehicle designed to carry people and equipment in outer space.
rover	a mobile robot sent to land on another planet or moon and explore.
space station	a permanent structure in space where astronauts can live and work.
moon buggy	a vehicle used by astronauts to explore the surface of the Moon.

Questions:

1. What is the name of the first spaceship to land on the moon?
2. What are the people who travel in spaceships called?
3. What equipment will you need to create this model?
4. How will the wheels turn on your model?
5. Can you name a spaceship vehicle?



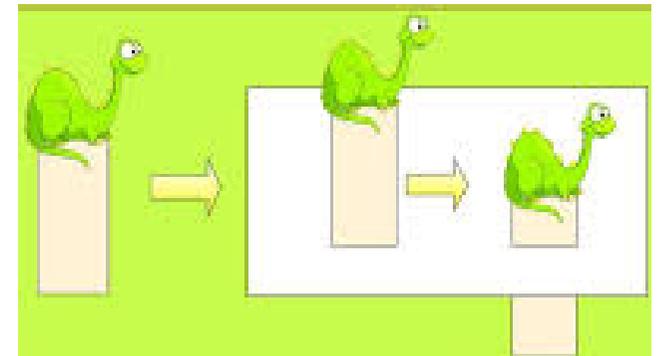
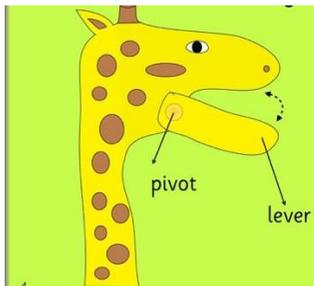
Knowledge Based Organiser

Year 1 - Design and Technology - moving pictures -Spring 2

Vocabulary	Word definition
push	applying a force that moves something away.
pull	applying a force that moves something closer.
slider	a mechanism that moves things from side to side and up and down.
lever	a mechanism that moves around a fixed point which the lever can pivot, this makes things move in an arc or curve.
mechanism	different parts acting together to make an action take place.
movement	an action or way of changing place or position.
pivot	a rod or pin from which another part rotates, swings or moves back and forth.
slot	a long, narrow opening into which something may be put.
equipment	items needed for an activity or purpose.
design	to plan your idea by drawing and labelling what the finished model will look like.
materials	matter or substance that objects are made from.
force	A force is a push or a pull on an object. A force happens when two objects interact. When one object does something to the other object. When the interaction stops, the force stops, too.

Questions:

1. What does the word mechanism mean?
2. What equipment do you need to create a moving picture?
3. Why is it important that you design your moving picture first?
4. How will you make your picture move?
5. Where might you find moving pictures?



Knowledge Based Organiser

Year 1 - 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. Where do fruits and vegetables come from?
3. Why is it important to have a balanced diet?
4. can you name three foods that are dairy products?
5. can you name three foods which are carbohydrates?
6. can you name three foods which are proteins?

