

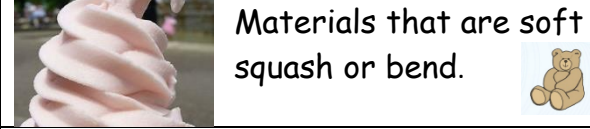

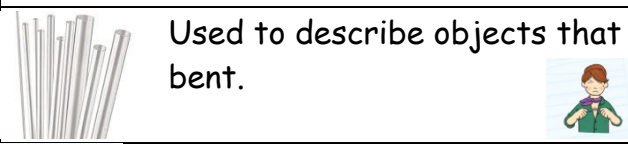

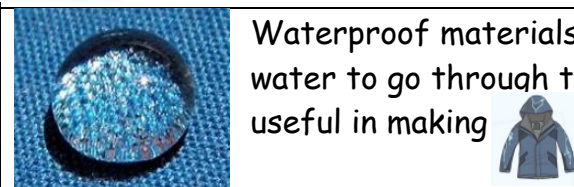
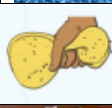




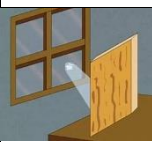










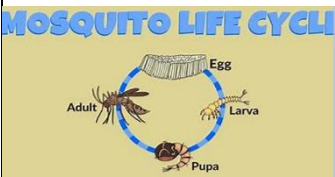




**Science Vocabulary - Materials 1**

| RAG Words       |  | Definition  |
|-----------------|--|---|
| object          |  | Something that can be seen and touched.   |
| <b>material</b> |  | A type of matter from which an object can be made.  |
| wood            |  | The hard material which makes up the trunk and branches of a tree.<br><i>Natural</i>  |
| plastic         |  | A man-made material that can be moulded into solid objects.<br><i>Man-made</i>  |
| glass           |  | A transparent solid that is used to make windows, bottles and eyewear.<br><i>Man-made</i>   |
| metal           |  | Metals are probably the most useful material in history. They are often hard - gold copper, silver and zinc.<br><i>Natural</i>                                |
| rock            |  | The solid material that forms part of the Earth's surface.<br><i>Natural</i>  |
| brick           |  | A building material used to make walls and pavements. Usually made of fired clay and cement.<br><i>Man-made</i>   |
| paper           |  | A thin material made by pressing together wood pulp and drying into flexible sheets.<br><i>Man-made</i> (from natural materials)                              |
| fabric          |  | Fabric is a cloth weaved or knitted together for use in the textile industry for things like clothes or blankets.<br><i>Man-Made</i> (from natural materials) |
| elastic         |  | The property of a material that can be stretched and then go back to its original shape.<br><i>Man-Made</i> (from natural materials)                          |
| foil (tin foil) |  | A very thin sheet of aluminium metal, usually used to keep food fresh.<br><i>Man-Made</i> (from natural materials)  |
| rubber          |  | Strong, waterproof elastic substance made from the juice of a tropical tree, then made chemically.<br><i>Man-Made</i> (from natural materials)                |





|                |  |  |   |
|----------------|--|--|---|
| wool           |  | Wool is a textile fibre obtained from sheep and other animals.<br>Natural  |  |
| properties     |  | What makes a material special: hard or soft etc.   |   |
| hard           |  | Stiff and solid to touch. Not easy to change it's shape or bend.   |    |
| soft           |  | Materials that are soft are easy to squash or bend.  |   |
| stretchy       |  | A material that can be stretched easily.   |    |
| stiff/rigid    |  | Used to describe objects that cannot be bent.  |   |
| bendy/flexible |  | Material that is soft and flexible is bendy.   |    |
| waterproof     |  | Waterproof materials do not allow water to go through them, so they are useful in making   |  |
| absorbent      |  | The word used to describe a material that can soak up water.   |  |
| brittle        |  | A material that can be snapped easily is said to be brittle.   |  |
| shiny          |  | A word used to describe a material that reflects light well, usually a polished or clean surface.                                  |  |
| dull           |  | A material that lacks brightness or shininess.   |  |
| transparent    |  | Used to describe a material that allows light to pass through it so objects on the other side can be clearly seen - 'see-through.' |  |
| opaque         |  | Used to describe a material that completely blocks light from passing through it. Not see-through.                                 |  |
| rough          |  | Not smooth, hard and bumpy - coarse  |  |
| smooth         |  | Flat even surface - opposite of rough.   |  |



**Science Vocabulary - Animals Including Humans 2**









| RAG Words    |   | Definition   |
|--------------|---|--|
| offspring    |      | A person's children or an animal's young.  |
| reproduction |    | 2 parents produce offspring.   |
| adolescent   |      | The Life Stage between childhood and adulthood in humans and other animals.                                  |
| life stage   |    | A distinct period in the life of a living thing, such as the adolescent stage in animals.                    |
| life cycle   |     | The series of changes that an animal or plant passes through from the beginning of its life until its death. |
| caterpillar  |  | Is the larval stage in the life cycles of butterflies and moths.   |
| water        |    | A clear liquid that we drink. We need it to stay alive.  |
| healthy      |  | Well and not suffering from any illness  |
| exercise     |   | When you <b>exercise</b> , you move your body energetically in order to get fit and to remain healthy.       |
| hygiene      |    | Keeping yourself and your surroundings clean, in order to prevent illness or the spread of diseases.         |
| germs        |   | Microscopic life forms such as bacteria and viruses that make you unwell.                                    |



|              |  |   |  |
|--------------|--|---|--|
| disease      |  |   | An illness which affects people, animals, or plants.   |
| survive      |  |   | Continue to exist  |
| protein      |  |   | <p>A nutrient our bodies need for growth.</p> <p>Protein is in meat, fish lentils and beans.</p>   |
| carbohydrate |  | <p>A nutrient that describes different sugars and starch.</p> <p>Carbohydrates are in cereal, rice, bread, pasta and fruit.</p> |   |
| fat          |  |    | <p>A type of nutrient that you will find in oils, butter, cream and milk.</p>  |
| nutrient     |  |   | <p>A type of chemical used by living things to survive, grow and remain healthy.</p>  |









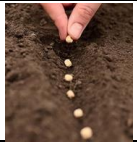
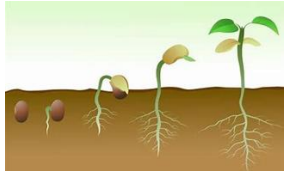


**Science Vocabulary - Living Things and their Habitats 2**












| RAG Words        |  | Definition  |  |
|------------------|--|---|--|
| living           |  |    | Things that are alive and not dead   |
| dead             |  |   | Things that are no longer alive.    |
| never been alive |  |    | Things that have never been alive, such as rocks.  |
| habitat          |  |   | The natural environment in which an animal or plant normally grows.        |
| grassland        |  |  | Habitat where the landscape is dominated by grasses.   |
| forest           |  |   | A large area of land covered chiefly by trees.                            |
| pond             |  |  | An area of water, whether natural or man-made, that is smaller than a lake.  |
| woodland         |  |   | Land covered with trees, but less trees than a forest.                    |
| desert           |  |  | A bare area of landscape that gets little or no rainfall.  |
| ocean            |  |   | A body of salt water that covers more than seventy percent of the Earth.  |
| polar            |  |  | The North or South Poles, the coldest places on Earth.   |

|              |  |  |   |
|--------------|--|--|---|
| microhabitat |  | A small part of the environment that supports a habitat, such as a fallen log in a forest.                 |     |
| mountainous  |  | Regions of land where there are many mountains.  |      |
| river        |  | Water that flows in a channel to the sea.  |    |
| biomes       |  | a natural area of vegetation and animals   |   |
| excretion    |  | The process where waste produced by living things is removed from their bodies.                            |      |
| reproduction |  | Children or offspring are produced by parents.   |    |
| respiration  |  | The process by which living things produce energy.   |     |
| carnivore    |  | An animal that eats meat.  |  |
| herbivore    |  | An animal that only eats plants.   |    |
| omnivore     |  | A person or animal that eats all kinds of food, including both meat and plants.                            |   |
| food-chain   |  | Living things which are linked to each other because each thing feeds on the one next to it in the series. |   |
| minibeast    |  | A small invertebrate animal such as an insect or spider.   |    |
| vertebrate   |  | A creature which has a spine. (backbone)   |  |
| invertebrate |  | A creature that does not have a spine, for example an insect, a worm, or an octopus.                       |    |



### Science Vocabulary - Plants 1

| RAG Words      |   | Definition  |
|----------------|---|---|
| plant          |   | A living thing that grows in the earth and has a <b>stem</b> , <b>leaves</b> and <b>roots</b> .   |
| roots          |   | Part of the <b>plant</b> that grows under the ground. It takes in water.<br>It stops a <b>plant</b> from falling over.<br> |
| stem           |    | The thin, upright part of a <b>plant</b> on which <b>flowers</b> and <b>leaves</b> grow.<br>Also called a stalk.  |
| leaf<br>leaves |   | It makes and stores all of the food for a plant.<br>You can tell the type of plant by the shape of its leaf.<br>           |
| flower         |    | The part of a plant that <b>blossoms</b> . It is often brightly coloured and grows at the end of a <b>stem</b> .<br>It helps to attract insects to pollinate.   |
| flowering      |   | <b>Trees</b> or <b>plants</b> which produce <b>flowers</b> .  |
| petal          |   | Thin coloured or white parts which form part of the <b>flower</b> .<br>  |
| bulb           |  | A root shaped like an onion that grows into a <b>flower</b> or <b>plant</b> .   |
| seed           |   | The small, hard part from which a new <b>plant</b> grows.<br>  |
| germination    |  | The process where the coat of a seed is cracked by warmth and water and a new plant begins to grow.   |
| seedling       |   | A new plant when it starts to grow.   |
| tree           |   | A tall woody <b>plant</b> that has a hard <b>trunk</b> , <b>branches</b> and <b>leaves</b> .<br>                         |
| trunk          |  | The large main woody <b>stem</b> of a tree from which <b>branches</b> grow.<br>Normally covered in bark.  |

|                    |  |  |   |
|--------------------|--|--|---|
| branch<br>branches |  | Parts that grow out from the <b>tree trunk</b> and have <b>leaves</b> , <b>flowers</b> or <b>fruit</b> growing on them.        |     |
| bark               |     | The outer layer of the stem (trunk) of a woody plant such as a tree or a shrub.  |   |
| bud                |  | The growth on a plant that can turn into a leaf, flower or shoot.  |    |
| blossom            |     | The name given to flowers of certain trees that appear in spring. They only last for a short time.                             |   |
| deciduous          |  | A <b>tree</b> that loses its leaves in the autumn every year.  |    |
| evergreen          |     | A <b>tree</b> or bush which has green leaves all year round.   |   |
| common             |  | something that is found in large numbers or it happens often   |   |
| fruit              |  | Something which grows on a <b>tree</b> or bush, and which contains <b>seeds</b> or a stone covered by a substance you can eat. |  |
| berry              |   | A berry is a type of fruit that does not have a stone inside it. E.g. cranberry or redcurrant.                                 |   |
| vegetable          |  | Plants such as cabbages, potatoes and onions which you can cook and eat.   |  |
| herb               |  | A plant whose leaves are used in cooking to add flavour to food, or as a medicine.   |   |
| garden             |  | A piece of land next to a house with <b>flowers</b> , <b>vegetables</b> , other <b>plants</b> and often grass.                 |   |
| weed               |  | A <b>wild plant</b> that grows in the <b>garden</b> and prevents the <b>plants</b> that you want from growing properly.        |  |
| vegetation         |  | <b>plants</b> , <b>trees</b> and <b>flowers</b>  |   |
| wild               |  | Animals or <b>plants</b> that live or grow in natural surroundings and are not looked after by people.                         |   |



