



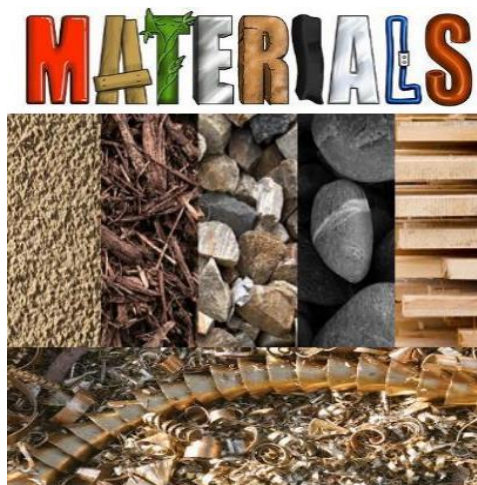
# Year 1: Seasonal Changes Knowledge Mat

| Subject Specific Vocabulary |                                                                                                                     | Curriculum Links                                                                                                                                                                                                                                                                          | Sticky Knowledge about Seasonal Changes                                                                                    |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| season                      | Seasons are different times in the year where there are weather changes.                                            | <b>Vertical Links:</b><br>FS2: Seasons<br><b>Horizontal Links:</b><br>Science: Plants<br>Geography: Seaside<br>RE: Incarnation and Salvation<br><b>Diagonal Links:</b><br>FS2 UTW/Geography: The Arctic<br>Year 2 Geography: Hot and Cold Places<br>Year 2 Sustainability: Climate Change | <input type="checkbox"/> In places like the UK, there are <b>four seasons</b> .                                            |
| spring                      | In spring, the weather starts to get warmer after winter. New buds begin to grow.                                   |                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> The seasons have an <b>effect</b> on plant and animal life.                                       |
| summer                      | Summer is the warmest season. The trees are full of leaves.                                                         |                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Lots of baby animals are born in <b>spring</b> although can be born in other seasons too.         |
| autumn                      | In autumn, the weather starts to get cooler after summer. Deciduous leaves start to turn brown and fall off trees.  |                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Because <b>summer</b> is the warmest season, many people choose to go on holiday.                 |
| winter                      | Winter is the coldest month. Deciduous trees have no leaves.                                                        |                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Many animals such as hedgehogs, squirrels and dormice hibernate during the <b>winter</b> months.  |
| temperature                 | Temperature is the measure of how hot or cold something is.                                                         |                                                                                                                                                                                                        | <input type="checkbox"/> These animals need to gather food during the <b>autumn</b> months ready for the long sleep ahead. |
| weather                     | The weather includes the temperature outside, the wind direction and strength as well as rain, cloud, snow and sun. |                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Summer days have the <b>most</b> hours of daylight.                                               |
| daylight                    | Daylight is how light it is outside. The amount of daylight changes with each season.                               |                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Winter days have the <b>least</b> hours of daylight.                                              |
| sunrise                     | Happens each morning when the sun seems to appear over the horizon.                                                 |                                                                                                                                                                                                                                                                                           |                                                                                                                            |
| sunset                      | Happens each evening when the sun seems to disappear behind the horizon.                                            |                                                                                                                                                                                                                                                                                           |                                                                                                                            |



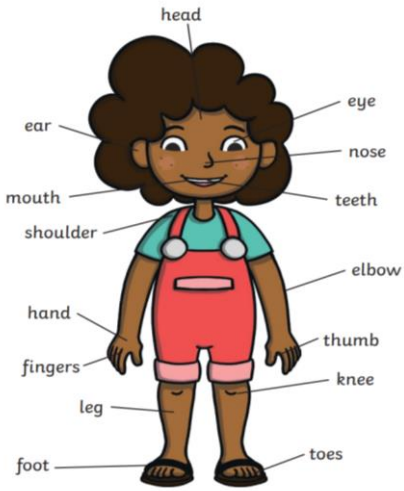
# Year 1: Everyday Materials Knowledge Mat

| Subject Specific Vocabulary |                                                                                  | Curriculum Links                                                                                                                                                                                                                                                                                                                                                                                                        | Sticky Knowledge about Materials                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>object</b>               | A thing that can be used, e.g. a door, chair, car, table are all objects.        | <b>Vertical Links:</b><br>FS2: Materials<br>Year 2: Everyday Materials<br><b>Horizontal Links:</b><br>History: The Great Fire of London, Toys and How Shopping has Changed<br>Art 3D: Playful Making<br>DT Mechanisms: Wheels and Axles<br>Sustainability: Recycling<br><b>Diagonal Links:</b><br>FS2 Sustainability: Plastic in the Ocean<br>Year 2 Art 3D: Be an Architect<br>Year 2 DT Structures: Baby Bear's Chair | <input type="checkbox"/> There are many different types of <b>materials</b> including fabric, wood, plastic, paper and rock.                            |
| <b>material</b>             | Materials are what an object is made from.                                       |                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> Different materials are used to make different <b>objects</b> depending on their <b>properties</b> .                           |
| <b>hard</b>                 | A hard material is not easily broken or bent.                                    |                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> Lots of materials are used to make our <b>clothes</b> , e.g. cotton t-shirts, woolen jumpers.                                  |
| <b>soft</b>                 | A soft material is easy to cut, fold or change the shape of.                     |                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> <b>Metal</b> is used to make planes, trains and cars as it is strong.                                                          |
| <b>stretchy</b>             | A stretchy material can be pulled to make longer or wider without breaking.      |                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> Different types of <b>wood</b> are used to make pieces of furniture and doors.                                                 |
| <b>stiff</b>                | A stiff material is firm, hard and not flexible.                                 |                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> <b>Plastic</b> can be molded or shaped to form any shape, e.g. seaside bucket and spade.                                       |
| <b>bendy</b>                | If a material is bendy, things can be bent easily into a curved or folded shape. |                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> <b>Glass</b> is used to make windows because it is see through and to make mirrors because it is shiny and shows a reflection. |
| <b>waterproof</b>           | If a material is waterproof, it keeps water out and keeps things dry.            |                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> <b>Liquids</b> can flow and take on the shape of a container.                                                                  |
| <b>absorbent</b>            | If a material is absorbent, it soaks things up.                                  |                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                         |



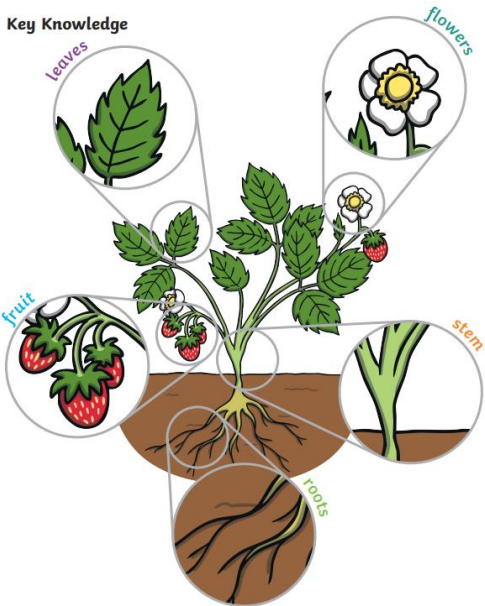


# Year 1: Animals inc Humans Knowledge Mat

| Subject Specific Vocabulary |                                                                                                                 | Curriculum Links                                                                                                                                                                                                                                                                                                                                                                                                                             | Sticky Knowledge about Animals inc Humans                                                                                    |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| fish                        | Fish live and breathe under water. They have scaly skin, fins to help them swim and they breathe through gills. | <b>Vertical Links:</b><br>FS2 and Year 2: Animals inc Humans<br><b>Horizontal Links:</b><br>Geography: India - Comparing Howden to Chembakolli<br>Art 3D: Making Birds<br>RE: Incarnation and Salvation<br><b>Diagonal Links:</b><br>FS2 UTW/Geography: The Arctic<br>FS2 UTW/Geography: Desert Explorers/Africa<br>FS2 Sustainability: Plastic in the Ocean<br>Year 2 Writing: Handa's Noisy Night<br>Year 2 Geography: Hot and Cold Places | <input type="checkbox"/> Animals are <b>living things</b> which, like plants, need food and water to live.                   |
| amphibians                  | Amphibians live in the water as babies and on land as they grow older. They have smooth, slimy skin.            |                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> Unlike plants, which make their own food, <b>animals feed themselves</b> .                          |
| reptiles                    | All reptiles breathe air. They have scales on their skin.                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> Mammals and birds are <b>warm blooded</b> .                                                         |
| birds                       | All birds have a beak, two legs, feathers and wings.                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> Fish, amphibians and reptiles are <b>cold blooded</b> .                                             |
| mammals                     | Mammals are animals that breathe air, grow hair or fur and feed on their mother's milk as a baby.               |                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> <b>Sight</b> - your <b>eyes</b> let you see all this is around you.                                 |
| carnivore                   | Animals that mostly eat other animals (meat) are carnivores.                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> <b>Hearing</b> - your <b>ears</b> let you listen to all that is around you.                         |
| herbivore                   | Animals that only eat plants are herbivores.                                                                    |                                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> <b>Touch</b> - your <b>skin</b> gives you the sense of touch.                                       |
| omnivore                    | Animals that eat both plants and other animals are omnivores.                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> <b>Taste</b> - your sense of taste comes from your <b>tongue</b> .                                  |
| sense                       | There are five sense which allow you to understand and experience what is around you.                           |                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> <b>Smell</b> - you smell using your <b>nose</b> which can tell you if something smells nice or not. |



# Year 1: Plants Knowledge Mat

| Subject Specific Vocabulary |                                                                                                           | Curriculum Links                                                                                                                                                                                                                                                                                                                                  | Sticky Knowledge about Plants                                                                                                                  |
|-----------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| roots                       | Roots take in water and nutrients from the soil and keep the plant in the ground.                         | <b>Vertical Links:</b><br>FS2 and Year 2: Plants<br>Year 2: Living Things and their Habitat<br><b>Horizontal Links:</b><br>Science: Plants<br>Geography: Howden Local Study<br>DT Food: Fruit and Vegetables<br><b>Diagonal Links:</b><br>FS2 UTW/Geography: My School<br>FS2 EA&D/DT Food: Pumpkin Soup<br>Year 2 Geography: Hot and Cold Places | <input type="checkbox"/> A <b>garden plant</b> is a plant that people choose to grow in their garden.                                          |
| stem                        | The stem holds the plant up and carries the water and nutrients from the roots to the leaves and flowers. |                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> A <b>wild plant</b> seed grows where it falls. It doesn't need to be planted or cared for as it grows.                |
| leaf                        | A leaf catches sunlight to help the plant to make its own food.                                           |                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> <b>Weeds</b> are wild plants that grow in places where people don't want them to.                                     |
| flower                      | Flowers attract insects and birds.                                                                        |                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> All <b>trees</b> are plants.                                                                                          |
| bud                         | A small growth at the tip or on the side of a plant stem that later grows into a flower or leaf.          |                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> <b>Fruit</b> contains the plant's seeds. Sometimes humans try to grow fruit without seeds because it's easier to eat. |
| blossom                     | The flowering part of a plant which forms a seed or fruit.                                                | <b>Key Knowledge</b><br>                                                                                                                                                                                                                                       | <input type="checkbox"/> A <b>trunk</b> is the stem of a tree.                                                                                 |
| petal                       | A petal is the colourful part of the flower.                                                              |                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> A <b>deciduous tree</b> loses its leaves each year.                                                                   |
| seed                        | Seeds grow into new plants.                                                                               |                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> An <b>evergreen</b> tree keeps its leaves all year, even in the winter.                                               |
| bulb                        | Bulbs grow into new plants.                                                                               |                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                |
| branches                    | A woody part of a tree or bush that grows out from the trunk.                                             |                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                |