























































## Plymouth Science - Science Knowledge and Skills Coverage. (Year 1)

Content/ Knowledge	<u>Animals Including Humans</u> I can identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals I can identify and name a variety of common animals that are carnivores, herbivores and omnivores. I can describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets) I can identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	<u>Materials</u> I can distinguish between an object and the material from which it is made. I can identify and name a variety of everyday materials including wood, plastic, glass, metal, water and rock. I can describe the simple properties of a variety of everyday materials. I can compare and group together a variety of everyday materials on the basis of their simple properties.	<u>Plants</u> To identify and describe the basic structure of a variety of common flowering plants including trees. To identify and name a variety of common wild and garden plants including deciduous and evergreen trees	<u>Seasonal Changes</u> I can observe changes across four seasons. I can observe and describe weather associated with the seasons and how day length varies.												
Book/ Science Capital	 <p style="text-align: center; font-size: small;">Judith Kerr</p>	  <p style="text-align: center;"><b>Macintosh</b>      <b>Tim Peake</b></p>	  													
Scientific Enquiry	  	Identify parts of body.  Identify parts of body. Spot patterns between groups of animals	 	Identify and classify animals  Comparative tests	  	Identify materials and classify  As above  Classify based on how they feel.	  	Classify materials  Compare suitability of materials  Patterns in test results,	  	Find out how different fruits grow.  Observe seeds over time.  Identify plants in the environment.	  	Identify and classify parts of a plant.  Identify and classify leaves.  Observe leaves over time.	  	Identify 4 seasons  Look for patterns in colours.  Observe formation of crystals over time.	  	Compare results to research on rain. Simple comparative test. Identify different clouds
Working Scientifically	  	Ask questions  Venn diagrams  Make comparisons and give reasons.	  	Observe features of human body Carry out tests to compare and classify Make predictions using senses.	  	Use observations to classify  Record in a table  Ask and answer questions	  	Simple test  Make predictions on best materials.  Evaluate test	  	Make careful observations.  I can explain how a seed grows.  Draw and label a plant	  	Label parts of a plant  Ask yes and no questions to classify.  Make simple predictions	  	Observe similarities and differences.  Predict colours in a leaf.  Can explain what winter feels like.	  	Labelled diagrams  Evaluate test and suggest improvements  Ask simple questions
Outcomes	Can name a range of animals which includes animals from each of the vertebrate groups. Can describe the key features of named animals. Can label key features on a picture/diagram. Can write descriptively about an animal. Can write a 'What am I? riddle about an animal. Can describe what a range of animals eat. Can compare and classify animals.	Can label a picture/diagram of an object made from different materials. Can describe the properties of materials. Can sort materials using their properties. Can test evidence to answer a question.	Can name trees and other plants they see regularly. Can describe key features of the trees and plants e.g. shapes of leaves/colour of the flower/blossom. Can point out trees which lost their leaves and those who keep them all year. Can point to and name parts of a plant. Can use simple charts to sort. Can use photos to talk about how plants change	Can name four seasons and identify when in the year they occur. Can observe and describe weather in different seasons. Can describe days being longer in summer and shorter in winter. Present data in tables charts and compare seasons.												
Vocab	Head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves, reptile, amphibian, mammal, omnivore, carnivore, herbivore, all senses.	Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see through, not see through.	Leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud. Names of trees in local area, garden and wild flowering plants.	Weather (sunny, rainy, windy, snowy etc) Seasons (winter, summer, spring, autumn) sun, sunrise, sunset, Day length												