Science Knowledge and Skills Coverage. (Year 1)

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| Content/Knowledge | Animals Including HumansTo identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammalsTo identify and name a variety of common animals that are carnivores, herbivores and omnivores.To describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets)To identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.  | MaterialsTo distinguish between an object and the material from which it is made.To identify and name a variety of everyday materials including wood, plastic, glass, metal, water and rock.To describe the simple properties of a variety of everyday materials.To compare and group together a variety of everyday materials on the basis of their simple properties.  | PlantsTo 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 | Seasonal ChangesTo observe changes across four seasons.To observe and describe weather associated with the seasons and how day length varies.  |
| Scientific Enquiry | Icon  Description automatically generatedidentify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals ♣ identify and name a variety of common animals that are carnivores, herbivores and omnivoresIcon  Description automatically generated♣ identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sensedescribe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets) | Icon  Description automatically generated  ♣ distinguish between an object and the material from which it is made Icon  Description automatically generatedIcon  Description automatically generated♣ identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock Icon  Description automatically generated♣ describe the simple physical properties of a variety of everyday materials ♣ compare and group together a variety of everyday materials on the basis of their simple physical properties | Icon  Description automatically generatedScreen ClippingFind out how different fruits grow. Icon  Description automatically generatedObserve seeds / leaves over time. Icon  Description automatically generatedIdentify and classify plants in the environment.  | Icon  Description automatically generatedIdentify 4 seasonsIcon  Description automatically generatedLook for patterns in weather. What do you notice?Icon  Description automatically generatedobserve changes across the four seasons ♣ observe and describe weather associated with the seasons and how day length varies |
| Working Scientifically | Ask questionsScreen Clipping Icon  Description automatically generatedVenn diagramsScreen ClippingObserve features of human bodyIcon  Description automatically generatedMake predictions using senses. | Screen ClippingUse observations to classifyIcon  Description automatically generatedRecord in a tableIcon  Description automatically generatedSimple testIcon  Description automatically generatedMake predictions on best materials. | Icon  Description automatically generatedMake careful observations.Icon  Description automatically generatedDraw and label a plantIcon  Description automatically generatedLabel parts of a plantScreen ClippingAsk yes and no questions to classify. | Screen ClippingObserve similarities and differences.Icon  Description automatically generatedPredict colours in a leaf.Screen ClippingCan explain what winter feels like.Icon  Description automatically generatedLabelled diagrams |
| Ideas | 1- Draw around body and label 2- Compare features that are the same and different. Explore senses Parts of tongue and taste- taste new foods. Sight Test.3- Body parts bingo Animals and smell Smell test.  Feely bag4- Order sounds Classify animals and animal groupings5- Animal X rays Compare and contrast animals- How big and how small 6- Zoom in and out Tiger who came to tea.Sort carnivore, herbivore and omnivore. Animal teeth  | 1- Sorting materials-Whats in the bag2. Recap materials-Odd one out-Properties of materials-Material hunt.3. Materials bingo-Feely wall-Mystery bag-That’s not my books- find suitable materials.4- Astro nappy absorbency test.-Charles Macintosh.5- Make curtains for spaceship (transparent/opaque)6- Stretchy material test.  | 1. Read tiny seed-Identify fruits and where they grow-Zoom in activity.-Observation of fruits and veg-Growing potatoes.2- Read Jack and the beanstalk-Order how seeds grow.-What do plants need to grow?-Plant diary3- Plant hunt in local environment.-Identify parts of a plant. 4-Plant bingo-Plant dissection-Plant modelling5- Read Leaf Man-Leaf walk-ID leaves using ID sheet and group leaves.6- Odd one out-Why do leaves fall off trees test. -Deciduous vs evergreen.  | 1. Identify 4 seasons-Read Snow rabbit, spring rabbit.-Sort clothes according to season2. Season song.- Autumn video-Chromatography in leaves and pens. 3- Zoom in, zoom out-How are crystals formed experiment-How snow is formed experiment-What does winter feel like?4- Odd one out-Spring walk using ID sheet spotting signs of spring. -Rain water collecting and measuring.5- Facts about the sun-Dangers of looking at the sun.-UV bead experiment.Additional UV oven/shadows6- Day and night seasons modelling using globe and torch.-Identification of clouds-Cloud in a jar experiment.  |