Science Knowledge and Skills Coverage. (Year 1)

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| Content/  Knowledge | Animals Including Humans  To identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals  To 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. | Materials  To 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. | Plants  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 | Seasonal Changes  To observe changes across four seasons.  To observe and describe weather  associated with the seasons and how day length varies. |
| Scientific Enquiry | Icon  Description automatically generated  identify 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 omnivores  Icon  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 sense  describe 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 generated  Icon  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 Clipping  Find out how different fruits grow.  Icon  Description automatically generated  Observe seeds / leaves over time.  Icon  Description automatically generatedIdentify and classify plants in the environment. | Icon  Description automatically generated  Identify 4 seasons  Icon  Description automatically generatedLook for patterns in weather. What do you notice?  Icon  Description automatically generated  observe 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 generated  Venn diagrams  Screen Clipping  Observe features of human body  Icon  Description automatically generated  Make predictions using senses. | Screen Clipping  Use observations to classify  Icon  Description automatically generated  Record in a table  Icon  Description automatically generated  Simple test  Icon  Description automatically generated  Make predictions on best materials. | Icon  Description automatically generated  Make careful observations.  Icon  Description automatically generated  Draw and label a plant  Icon  Description automatically generatedLabel parts of a plant  Screen Clipping  Ask yes and no questions to classify. | Screen ClippingObserve similarities and differences.  Icon  Description automatically generated  Predict colours in a leaf.  Screen ClippingCan explain what winter feels like.  Icon  Description automatically generated  Labelled 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 bag  4- Order sounds  Classify animals and animal groupings  5- 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 bag  2. 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 diary  3- Plant hunt in local environment.  -Identify parts of a plant.  4-Plant bingo  -Plant dissection  -Plant modelling  5- 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 season  2. 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/shadows  6- Day and night seasons modelling using globe and torch.  -Identification of clouds  -Cloud in a jar experiment. |