

End of year expectations for The World- working scientifically

Children know about similarities and differences in relation to places, objects, materials and living things.

They talk about the features of their own immediate environment and how environments might vary from one another. They make observations of animals and plants and explain why some things occur and talk about changes.

**Vocabulary**

Taste, touch, smell, hear and sight. Taste/ bitter, sweet, salty, etc. Texture words / soft, hard, spiky, sharp, sticky, Smell words, perfume, minty, flowery. Sound words/ loud, quiet, shout whisper. Guide dogs, glasses, collar.

**Suggested equipment and resources to support the world working scientifically.**

Magnifying glasses, pipettes, magnets, tweezers, mirrors, binoculars, torches, camera video, talking pegs, postcards.

**Key learning linked to Working Scientifically**

**Explore/observe:** look closely at/notice

**Describe:** talk about what they notice/observe: talk about changes they notice and changes over time

**Record:** draw pictures, take photographs, make models or scrapbooks.

**Questioning:** shows an interest in/ his curious about; ask questions about what notice observe or changes that occur

**Explain:** talk about why things happen/occur: talk about how things work.

**Research:** talk to people(visits/visitors/family) think of questions to ask how things work: use first hand experiences/use secondary sources (eg books, photographs, internet)

**Equipment and measures:** use sense / use simple equipment to make observations, (eg magnifiers, pipettes, egg timers, digital microscopes, etc.)

**Compare/sort/group/ identify/classify:** notice similarities, notice differences: talk about similarities and or differences

**Test:** make suggestions, show reclaims, work with others.

**Vocabulary:** use simple vocabulary to name and describe objects, materials, living things and habitats

## **Ourselves Term one first half**

### **Children to learn about the senses .**

Each week a different sense will be looked at the children will complete activities around each senses.

Sight/make sunglasses, play games to see what they can touch with seeing

Touch/ touch various objects such as slime, jelly, rice spaghetti/ describe what it feels like

Taste/ taste various foods, spicy, sour, sweet, hot, crunchy

Smell/tubs of object to smell, curry, perfume, tomato sauce, vinegar

Hearing/ listen to different sounds etc.

Famous people / Louis Braille

Talk about guide dogs.

### **Living Things**

Children to also have daily visits to learn about life cycles of humans.

Each day for a week a baby, one year old, two year old, three year old comes into class to talk about what they can do.

