**SCIENCE- Early Science Knowledge and awareness**

Stage 4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **The pupil can** |  |  |  | **Comments** | **Date** |
| * sort objects according to material eg plastic, glass and wood
 |  |  |  |  |  |
| * describe hot and cold and the effect of heat on a liquid and solid eg ice
 |  |  |  |  |  |
| * explore the effect of viscosity by communicating the speed of travel of a marble dropped into water, syrup, vegetable oil
 |  |  |  |  |  |
| * demonstrate awareness that mass has the same volume if it is a ball or a sausage shape using dough
 |  |  |  |  |  |
| * create static electricity by rubbing a balloon against their hair
 |  |  |  |  |  |
| * build a ramp and push toys down it, commentating fast or slow
 |  |  |  |  |  |
| * explore the buoyancy properties of a range of objects in water during water play – pupil can estimate if an object will float or sink
 |  |  |  |  |  |
| * attend to look at self in a mirror and copy simple actions of symmetry eg touching both ears, hands together in central position
 |  |  |  |  |  |
| * identify a shadow when they naturally form outside
 |  |  |  |  |  |
| * use scales to measure simple measurements of more and less
 |  |  |  |  |  |
| * use ‘footsteps’ to measure an area
 |  |  |  |  |  |
| * identify oceanic animals eg dolphin, starfish, octopus, shark
 |  |  |  |  |  |
| * sort natural items – living and non-living
 |  |  |  |  |  |
| * identify and name flower, leaf and root
 |  |  |  |  |  |
| * identify and name all common body parts
 |  |  |  |  |  |
| * sort pictures of babies, children, adults and grandparents
 |  |  |  |  |  |
| * sort images of sun, moon and stars
 |  |  |  |  |  |
| * identify rainy, sunny, windy and cloudy weather
 |  |  |  |  |  |
| * sow seeds and name key parts eg leaf, roots
 |  |  |  |  |  |
| * sequence using pictures simple processes
 |  |  |  |  |  |