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| **Year 3 Science Disciplinary Knowledge – Investigation** |
| **Investigation & Hypothesising Observing and recording Concluding and Evaluating** | Sci 1WTS | Sci 2WTS | Sci 3WTS | Sci 1EXS | Sci 2EXS | Sci 3EXS | Sci 1GDS | Sci 2GDS | Sci 3GDS |
| I can plan an investigation that helps me prove or disprove my hypothesis.  |  |  |  | Rest of class | Rest of class | Rest of class |  |  |  |
| I can explain which variable I have changed, which ones I have kept the same and why  |  |  |  | Rest of class | Rest of class | Rest of class |  |  |  |
| I can give a reason for why my test was fair |  |  |  | Rest of class | Rest of class | Rest of class |  |  |  |
| I can make accurate measurements e.g accuracy within 5 degrees on a thermometer and within 5mm using a ruler |  |  |  | Rest of class | Rest of class | Rest of class |  |  |  |
|  I can use simple scientific apparatus thermometer, ruler, magnified glass, measuring jugs, scales. |  |  |  | Rest of class | Rest of class | Rest of class |  |  |  |
| I can explain how the results lead to a conclusion.  |  |  |  | Rest of class | Rest of class | Rest of class |  |  |  |
| I can articulate my hypothesis prior to designing my investigation  |  |  |  | Rest of class | Rest of class | Rest of class |  |  |  |
| I can evaluate the results of my Investigation and explain why they are not biased |  |  |  | Rest of class | Rest of class | Rest of class |  |  |  |



**Science Assessment and Tracking**

**Year 3 Overview 24/25**

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| **Science 1 -Rocks and Fossils** |
|  **Objective** | **WTS** | **EXS** | **GD** |
| I know how to group together different kinds of rocks (sedimentary, igneous and metamorphic)  |   | Rest of class |   |
| I know rocks have different appearances and properties (permeable and impermeable) |  | Rest of class |  |
| I know soils are made from rocks and organic matter |  | Rest of class |  |
| I know how fossils are formed |  | Rest of class |  |
| I know which creatures made different fossils (snail, corrals, clams and molluscs) |  | Rest of class |  |

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| **Science 3 -Living Things -Plants** |
|  **Objective** | **WTS** | **EXS** | **GD** |
| I know how to group plants in different ways (annuals, perennials, trees, shrubs, woody stem, crown)  |   | Rest of class |   |
| I know how to use classification keys to group and identify living things (animals, plants and fungi) |  | Rest of class |  |
| I know environments change and this can impose dangers to living things (building of houses) |  | Rest of class |  |
| I know the basic functions of a plant including root, stem, trunk, leaves and flowers |  | Rest of class |  |
| I know what plants need for life and growth and how these vary from plant to plant (light, nutrients, water and air) |  | Rest of class |  |
| I know how water is transported in plants |  | Rest of class |  |
| I know the life-cycle of a flowering plant, including pollination, seed dispersal (dandelions) |  | Rest of class |  |

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| **Science 2 – Materials including Water** |
|  | **WTS** | **EXS** | **GD** |
|  I know which materials are solids, liquids or gases  |  | Rest of class |  |
|  I know some materials change state when they are heated or cooled (chocolate, wax, water and corn flour) |   | Rest of class |   |
|  I know different temperature effect different materials and how to measure temperature |  | Rest of class |  |
|  I know the stages of the water cycle (Evaporation, Convection, Precipitation and Collection) |  | Rest of class |  |
| I know how water evaporates |  | Rest of class |  |
|  I know temperature effects the rate of evaporation |  | Rest of class |  |

**Next Steps -Learning Points for next enquiry (noting revisit points for Pupils at WTS )**

**1)**

**2)**

**3)**