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| **Year Group - 1 & 2** | | **Date – Term Three** | |
| **Curriculum Links** | Sc1/1.1    asking simple questions and recognising that they can be answered in different ways  Sc1/1.2    observing closely, using simple equipment  Sc1/1.3    performing simple tests  Sc1/1.4    identifying and classifying  Sc1/1.5    using their observations and ideas to suggest answers to questions  Sc1/1.6    gathering and recording data to help in answering questions.  Sc1/3.1a    distinguish between an object and the material from which it is made  Sc1/3.1b    identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock  Sc1/3.1c    describe the simple physical properties of a variety of everyday materials  Sc1/3.1d    compare and group together a variety of everyday materials on the basis of their simple physical properties  Sc2/3.1a    identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for different uses | | |
| **Session Procedures** | **Before** - Check for rubbish, glass, hazards. Check weather forecast  **During –** Keep vigilant regarding broken branches, slippery ground  Wear Hi-Viz jacket. Road safety to get to the park  **After** – clear everything away and return any natural objects to their original place  **Wash hands** | * Wash hands after touching outside objects * Remind the children about how sharp some sticks can be and to be careful of brambles and stinging nettles. * Remind children to be careful not to let the sticks fly out of their hands and go in someone else’s eye. * Gloves must be worn for both litter picking and gardening * The school grounds are our classroom and must be treated with respect. | **Equipment**  Material pieces – plastic, paper, wood, tissue, metal.  Sticks  pegs |
| **Introduction and Activity Opportunities** | **Indoors –** <http://bpes.bp.com/primary-resources/science/ages-4-to-7/uses-of-everyday-materials/introducing-materials/#article1760>  **Starter activity – Look around you – what materials can you spot?**  **Main activity – Build a shelter to protect the cuddly from the weather**  **Read ‘Three Little Pigs’**   * What should the little pigs have been thinking about? * The shelter must keep the toy dry and warm. * Which material do you think will keep the toy warmest and driest?   Activity 2  Can you build a shelter for yourselves keeping the wet and the wind out?  Rule of Three says | **Vocabulary**  Water cycle  Solid  Liquid  Gas |
| **Plenary** | * When building a house what do engineers and architects have to think about regarding materials? – strength, flexibility, rigidity, thermal qualities, waterproof, breathable…. |