|  |  |
| --- | --- |
| **Year Group - 1 & 2** | **Date – Term Three** |
| **Curriculum Links** | Sc1/1.1    asking simple questions and recognising that they can be answered in different waysSc1/1.2    observing closely, using simple equipmentSc1/1.3    performing simple testsSc1/1.4    identifying and classifyingSc1/1.5    using their observations and ideas to suggest answers to questionsSc1/1.6    gathering and recording data to help in answering questions.Sc1/3.1a    distinguish between an object and the material from which it is madeSc1/3.1b    identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rockSc1/3.1c    describe the simple physical properties of a variety of everyday materialsSc1/3.1d    compare and group together a variety of everyday materials on the basis of their simple physical propertiesSc2/3.1a    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 groundWear 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 2Can you build a shelter for yourselves keeping the wet and the wind out?Rule of Three says  | **Vocabulary**Water cycleSolidLiquidGas |
| **Plenary** | * When building a house what do engineers and architects have to think about regarding materials? – strength, flexibility, rigidity, thermal qualities, waterproof, breathable….
 |