**Outdoor Learning Plans**

Year Four **Spring Term 2** 2024

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| Lesson | Subject | Learning Objective Linked to NC | Activities | Vocabulary | Resources needed |
| 1 | DT | Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups Generate, develop, model and communicate their ideas through discussion and prototypes.Apply their understanding of how to strengthen, stiffen and reinforce more complex structures | **Making bridges** Look at designs of bridges and shapes in bridges to make them strong. Discuss triangles being very strong shapes. Model some bridge building ideas using sticks and stringChildren to work in groups of 4/5 to discuss/design and make their own bridges.Test the bridges with objects to see if they hold weight. | StrengthBalanceLoadTrianglesStructure | Bridge picturesSticksStringScissorsWeights/heavy objects |
| 2 | DT/Art | Select from and use a wider range of materials and components, including textiles and ingredients, according to their functional properties and aesthetic qualities. | **Sewing**Demonstrate how to use a hole puncher to make holes in leaves around the edgesModel how to sew bendy sticks/leaves/stems in and out of the holes in the leaves.  | HolesSewingRunning stitchStemsetc | LeavesHole punchersStemsBlades of grassSticks etc  |
| 3 | Art | To improve their mastery of art and design techniques, including sculpture with a range of materials [for example clay] | **Clay faces** Model how to make clay faces on the trunks of trees.Talk about and identify different natural objects which are good for making facial features.Children to collect objects to make features on their faces.Children to make faces on tree trunks using clay.  | FacesFeaturesNoseEyesEarsEyebrowsEyelashesBeardetc | ClaySticksStonesPine conesGrassPine needlesLeaves etc |
| 4 | Science | To know how worms digest food to create vermicompost.  |  **Making wormeries**Share information with the children about worms and why they are so important and what their job is.Split into 2 groups – rotate1. Hunting for worms under the log circle logs etc
2. Making wormeries in glass jars by layering up materials.
 | WormsRottingDigestingCompostsoil |  Worm info sheetsJarsStonesSandSoilLeavesWaterworms |
| 5 | Art | To improve their mastery of art and design techniques, including painting with a range of materials [for example paint] | **Printing with natural materials** Look at a range of pictures made by printing with natural objects and paint.Demonstrate how to print and make patterns.Children to work in pairs to create printing pictures using natural objects and paint.  | PrintPatternTextureShape | Paper Natural objectsPaint brushespaint |
| 6 | Science | Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. | **Pond dipping**Talk about the safety rules of being near waterDiscuss what they think they will find in the pond – talk about creatures that live in pond habitatsSplit into 3 groups of 10 and in pairs to pond dipChildren to mark off the creatures they find on their identification sheets | WaterSafetyCreaturesHabitatsCreature names – newt, water boatman, water mite, etc etc | Safety lines etcClip boardsChartsNetsTraysHand gel |

Links to PSHE which are integral in all outdoor learning sessions: Year 4 SCARF ‘I can’ statements:

I can demonstrate strategies for dealing with a risky situation

I can share ideas and make decisions that effect others.

I can name some qualities or strategies that help team work. I am aware of others and their needs when working together

I can begin to manage conflict by using negotiation and compromise.