



Structures– Bird Feeders and Bug Homes



Year: 2
Term: Summer

Essential Prior Knowledge

Children already know:

Key knowledge (facts and skills) for unit

Technical and pre-design knowledge

Design

- design purposeful, functional, appealing products for themselves and other users based on design criteria
- generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology

Make

- select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]
- select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics
- to be able to build structures, exploring how they can be made stronger, stiffer and more stable

Evaluate

- to be able to explore and evaluate a range of existing bug homes and bird feeders.
- to be able to evaluate their ideas and products against design criteria

Key Outcomes

What can we do to increase the amount of wildlife visiting our garden?

Children discuss advantages of bird feeders and bug homes to bring more local birds and mini-beasts into our gardens so we can see them up-close; they will know that they provide an invaluable food source for birds and habitats for minibeasts. They will study some examples of bird feeders and bug homes available and evaluate advantages and disadvantages of their design.

Assessing Pupils' Understanding and Progress

Pupils with secure understanding indicated by: Identifying man-made/natural structures. Contributing to discussions. Identifying stable and unstable structural shapes. Identifying features that make a bird feeder/bug home stable and fit for purpose.

Pupils working at greater depth indicated by: Ability to explore a wider range of structural designs and consider how accessible they would be to a range of birds. Assess accurately identifying the information above, making more detailed observations/records during the main activity and drawing accurate conclusions independently.

Key vocabulary

- Plastic bottles
- Yoghurt pots
- Milk carton
- Wire
- String
- Bird seed
- Scissors
- Reuse
- Recycle
- Cut
- Fasten
- Join

