



Staff Name:
Zone: Beekeeping
Ability Range: P7-NC3
Target Group: SEN

Date:
Lesson Reference:
 Week 5 'Wild Bee Habitats'

Learning Objectives:

- Develop the skills and knowledge necessary to make wild bee habitats.

Learning Outcomes:

- Students will make wild bee habitats.

Challenge: Construct a wild bee habitat with the least amount of assistance possible.

Differentiation: Assemble a bee house from pre-cut parts; cut out and assemble some parts independently; cut out and assemble all parts independently.

Development of Skills/Cross Curricular Links:

LITERACY/COMMUNICATION

Reinforcement of key words, development of discussions through describing tasks and group activities.

ENTERPRISE

Communication, team work, using initiative.

PSHE

Development of environmental awareness.

STARTER ACTIVITY

Discuss the range of bee species and their role in the food chain.

Develop an understanding of how we could provide a habitat by making a bee house.

MAIN PART OF LESSON

Discuss the process of making a bee house.

Teacher to demonstrate the process of making a bee house.

Students to follow the instruction sheet and produce a bee house individually or in groups.

PLENARY

Students to perform a quality control check, assessing the products produced as a whole group.

Introduce the next session, which is about putting the bee house in the ideal location at home or in school.

Extension Tasks Complete the house from pre-cut parts; complete the house from own produced parts with assistance; complete the house independently.

Risk Assessment

Teacher in charge to ensure all correct and appropriate risk assessments are carried out to ensure the health and safety of all of the students.

Disclaimer

The template used to produce this document, is purely for guidance only and can be adapted to suit individual requirements/standards/establishments.

VISUAL	Demonstration of hive inspection.
AUDITORY	Direct teaching. Explanation.
KINAESTHETIC	Practical activity - making a bee house.
SKILLS	Development of skills and knowledge of inspecting a hive.
SEN	Ref. to statements. Behaviour/epilepsy plans.
REWARDS	Links to school reward system.

Lesson 5: How to a Make a Bee House

You will need:

- A plank of untreated wood 10cm wide 60cm long and about 2.5cm thickness.
- A plentiful supply of hollow stems such as reeds, bamboo canes or old flower stems. Hollow stems with a diameter range from 3mm to 5mm are preferred by the bees.
- Tools: wood saw; drill; screws; secateurs; tape measure or ruler.
- A mirror fixing, for hanging the hotel.

Overview

The bee house will give beneficial pollinating insects a home.. The female of the non-aggressive mason bee species spends most of her life searching for hollow stems to use as a nest. So why not make a bee house for her in which she can lay her eggs? Collect old flower stalks or bamboo canes, follow our simple instructions and you could be watching these fascinating insects in your garden this Summer.

Do it: All year round.

It could take just 40 minutes to make!

How to do it?

1. Make sure you are wearing the correct PPE for woodworking.
2. Cut the plank into four pieces to make a rectangular frame for the bee house:

2 pieces at 20cm long and the remaining piece cut in half (approximately 10cm long).
3. Drill guide holes for the screws and assemble the frame as if making a box.
4. Snip your stems into lengths that are the depth of the box, about 10cm should be fine.
5. Discarding any bent or knobbly stems. Stems need to be straight so that the female bee can lay a number of eggs in each.
6. Carefully pack the frame of the bee house with the stems. Only as you add the final few stems does the whole assembly become solid.
7. Hang your bee house on a sunny wall, sheltered from the rain, and wait for the mason bees to investigate it in the Spring.
8. When you have completed your bee house inspect the quality of your work.
9. Once you have inspected your work check someone else's work to make sure that their bee house is good enough for a bee to use.
10. Make sure you tidy the work area!