



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

Date
Lesson Reference:
 Week 4 'Queen Bee
 Identification'

Learning Objectives:

- To be able to apply their knowledge and understanding of queen bees in order to identify, mark and locate her within the hive.

Learning Outcomes:

- Students will identify the queen bee and observe the marking procedure of the queen bee.

Challenge: Participate in a full hive inspection.

Differentiation: Students observe the procedure; students take an active role in the procedure; students take a lead role in the procedure.

AFL: Refer to scheme of work.

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

Introduce the queen bee marking practical. Collect all equipment and PPE. Put on PPE and prepare smoker. Recapitulate health and safety issues.

MAIN PART OF LESSON

Prepare the smoker, students to assist if appropriate; remove the hive lid, students to assist if appropriate; remove the crown board, students to assist if appropriate; remove frames in order, students to assist if appropriate; inspect all frames to establish location of the queen; once located, use the queen trap to mark the queen, students to assist if appropriate; staff to mark queen; replace frames, crown board, hive lid, students to assist if appropriate; retire to a safe place, students to check all group members for 'followers'; remove PPE.

PLENARY

Complete the "Beekeeping Tracking Sheet" to show areas of improvement and areas that require additional support. Discuss how students have improved in ability and confidence and/or reasons students may not have shown improvement. Complete the Queen Bee Quiz Sheet.

Extension Tasks.

Progression of student involvement in more aspects of the activity leading towards confidence and ability levels that allow students to support peers within the session. The session to become progressively more student led.

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.

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|--------------|---|
| VISUAL | Demonstration. |
| AUDITORY | Direct teaching. Explanation. |
| KINAESTHETIC | Use of beekeeping equipment. |
| SKILLS | Development of skills and knowledge using the beekeeping equipment. |
| SEN | Ref. to statements. Behaviour/epilepsy plans. |
| REWARDS | Links to school reward system. |

Lesson 4: Queen Bee Quiz Sheet

Student Name:

Try the following questions!

Please answer "True" or "False"

1. A queen Honey Bee has eight legs?

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2. A queen Honey Bee has no wings?

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3. A queen Honey Bee gives birth to live young?.....

4. A queen Honey Bee lays eggs?

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5. A queen Honey Bee is usually marked with paint by the beekeeper?

6. There is usually only one queen Honey Bee in each hive?.....