

## Core Skills Analysis

### Science

- Jax learned to differentiate between bees and wasps based on physical characteristics such as fuzziness and body shape.
- He understood aspects of insect life cycles, specifically that both bees and wasps only inhabit their nests for about a year.
- Jax gained awareness of the function of nests as shelters and places for food collection activities outside the nest.
- He observed human interaction with insects by learning about safe practices and protective clothing used when removing wasp nests.

### Health and Safety

- Jax explored safety precautions needed when dealing with potentially dangerous insects, demonstrated by the gardener's use of protective clothing.
- He developed an initial understanding of risk management related to wasp nest removal.
- This activity encouraged curiosity about personal protective equipment (PPE) and why it is important in certain jobs.

### Environmental Studies

- Jax was introduced to the concept of insect habitats and the importance of nests in the life cycle of wasps and bees.
- He began to understand the relationship between insects and their environment, including how nests are constructed and their significance.
- The observation prompted awareness of the role humans play in modifying environments, as seen through nest removal.

### Tips

To deepen Jax's understanding, encourage hands-on activities like creating simple insect habitats using natural materials to observe bees and wasps safely from a distance. Facilitating more detailed discussions about insect anatomy and behaviors could strengthen his observation skills. Additionally, exploring the roles of bees and wasps in pollination and ecosystems through gardening or local nature walks will provide practical context. Incorporate art or storytelling to help Jax express what he has learned. Also, using magnifying glasses for safe outdoor observation or planning a visit to a local beekeeping farm can enhance experiential learning.

### Book Recommendations

- [The Bee Book](#) by Charlotte Milner: A brightly illustrated, simple guide that introduces children to the life of bees, their appearance, and their importance in nature.
- [Wasps](#) by Nicola Davies: This book provides child-friendly facts about wasps, highlighting their characteristics, behavior, and role in the environment.
- [Bee & Wasp: Friends or Foes?](#) by Callin D. Sanders: An engaging storybook that helps children discover the differences between bees and wasps through a fun narrative.

### Learning Standards

- Science Understanding ACSSU043: Recognise that living things have a variety of external features and live in different places where their needs are met.
- Science as a Human Endeavour ACSHE048: Explore ways that science manages risk, including protective clothing and safety measures.
- Science Inquiry Skills ACSIS029: Pose questions based on observations to explore and

investigate biological phenomena.

- Personal, Social and Community Health ACPPS003: Recognise and practice strategies to promote personal safety when interacting with the environment.