

Core Skills Analysis

Biology

- Amelia observed various animal behaviors, enhancing her understanding of animal adaptations and survival strategies in their natural habitats.
- She learned about the importance of biodiversity by seeing different species and understanding the role each animal plays in its ecosystem.
- By engaging with zoo staff and reading exhibits, Amelia grasped concepts related to animal classifications and their characteristics, improving her taxonomic skills.
- The visit sparked her interest in endangered species and conservation efforts, initiating discussions on how human activities impact wildlife.

Geography

- Amelia explored various geographical locations of animals, learning about their native habitats and how geography influences climate and ecosystems.
- The layout of the zoo provided her with insights into how different climates are represented within the enclosure design, fostering an understanding of environmental adaptations.
- She developed map-reading skills as she navigated the zoo, enhancing her spatial awareness and ability to understand geographical features.
- The visit introduced her to the concept of global habitats and how invasive species can affect local ecosystems.

Science

- Amelia engaged with the scientific method by observing animal behaviors and interactions, allowing her to practice hypothesis making based on her observations.
- The presentations and demonstrations at the zoo provided her with practical examples of animal care, nutrition, and health-related science.
- She learned about environmental science by discussing habitat preservation, pollution effects, and conservation techniques with zookeepers.
- Amelia's interaction with interactive exhibits promoted her curiosity and understanding of basic biological processes such as reproduction and life cycles in animals.

Tips

To further enhance Amelia's learning experience, encourage her to create a mini-project about her favorite animal from the zoo, which could include researching its habitat, diet, and conservation status. This could be supported by taking a digital camera or phone on the next visit to document observations through photos. Parents can also introduce books and videos about wildlife and conservation or plan follow-up trips to nature reserves or aquariums for more real-life context. Additionally, engaging in discussions about what she learned after the visit could reinforce her understanding.

Book Recommendations

- [Wildlife Rescue](#) by Louise Spilsbury: An engaging book about various animals and the efforts taken to rescue them, featuring case studies connected to conservation.
- [The Animal Book: A Visual Encyclopedia of Life on Earth](#) by DK: A beautifully illustrated encyclopedia that covers the diversity of the animal kingdom, perfect for young learners with an interest in zoology.
- [After the Storm: The Story of the Hurricane Animals](#) by Kenard Pak: A touching story that explores the impact of natural disasters on animal habitats and raises awareness of conservation efforts.

Learning Standards

- Biology: Understanding lifestyles and adaptations of living things (National Curriculum Code: KS3 Bio.1)
- Geography: Know locations and characteristics of a range of the world's most significant human and physical features (National Curriculum Code: KS3 Geo.1)
- Science: Developing scientific knowledge and conceptual understanding through the disciplines of biology, chemistry and physics (National Curriculum Code: KS3 Sci.1)