

## Core Skills Analysis

### Science (Biology)

- Lexi learned to identify and name different anatomical parts of a dog, enhancing her understanding of animal biology and anatomy.
- By describing each dog part in her own words, Lexi practiced observation skills and scientific description, helping her differentiate functions and characteristics.
- She connected visual cues from the photograph with vocabulary and written language, reinforcing the concept of form and function in living creatures.
- The activity encouraged close attention to detail, important for scientific inquiry and accurate identification of biological features.

### Art and Design

- Creating a dog face from folded paper allowed Lexi to explore symmetry and spatial awareness while learning about the structural layout of a dog's face.
- Drawing the dog's features helped Lexi develop fine motor skills and creativity by interpreting a real animal's features into an art form.
- This hands-on activity integrated observation with artistic expression, promoting a multi-sensory learning experience that supports retention and engagement.
- She practiced translating 2D visual information from the photo to a 3D paper fold model, enhancing her visual-spatial reasoning.

### English (Writing and Vocabulary)

- By writing sentences describing each dog part, Lexi expanded her descriptive vocabulary and sentence construction skills.
- The activity required sequencing ideas logically to describe features, which helps develop coherent writing and communication skills.
- Lexi practiced using precise language related to animals and anatomy, improving her ability to convey observations clearly.
- Linking visual information with words strengthens reading comprehension and writing abilities, important for literacy development.

### Tips

To deepen Lexi's understanding, you can introduce a comparative study by exploring parts of different animals and discussing similarities and differences. Incorporate a simple anatomy chart for children showing common mammals to broaden her biological concepts. For the art extension, encourage her to create a 3D model of another animal or make a collage using different materials to represent various animal textures. To build writing skills, ask her to write a short story or a factual paragraph about the dog, using the vocabulary she learned, or keep a scientific observation journal after looking at other animals or pets.

### Book Recommendations

- [National Geographic Readers: Dogs](#) by Elizabeth Carney: An engaging introduction to dogs, covering their features, behavior, and varieties, supported by vivid photos perfect for young learners.
- [The Usborne Illustrated Encyclopedia of Animals](#) by Usborne Books: A richly illustrated encyclopedia that offers clear, accessible facts about animals, helping solidify knowledge of animal anatomy and habitats.
- [The Artful Dog: Drawing and Painting Dogs](#) by Jane Burton: A fun guide to drawing dogs, helping children develop artistic skills and appreciate canine features through creative activities.

## Learning Standards

- Science KS2 - Animals, including humans: Identify and name the main parts of the body of a variety of animals (National Curriculum Science Y3/4 - 2a).
- Art & Design KS2: Use drawing and painting to develop and share their ideas, experiences and imagination (NC Art & Design Y3/4 - 1a).
- English KS2 - Writing: Use expanded noun phrases to describe and specify, to add detail to writing (NC English Y3/4 - Writing composition).
- English KS2 - Reading comprehension: Understand and use vocabulary related to topics being studied (NC English Y3/4 - Reading vocabulary building).

## Try This Next

- Worksheet: Label the parts of other common animals like cats, rabbits, or birds to compare with the dog anatomy.
- Writing prompt: Describe your favorite animal's features using descriptive sentences, similar to Lexi's dog description.