

# EARLY YEARS SCIENCE PROVISION MAP

## Play, Observe & Ask

### Sensory Play

**Learn:** features of some animals; properties of some materials

**You need:** animal related objects – feathers, fur, wool, shells, etc.

**Play, observe & ask**

- What are these objects?
- What animals might they have belonged to? How do you know?
- How do the objects feel?
- Which objects are similar?
- Can you sort and describe these objects?

### Malleable Play

**Learn:** features of some animals

**You need:** clay or modelling dough, pictures of animals /model animals

**Play observe & ask:**

- Can you make some animals?
- How many legs /wings /eyes, etc. will your animal have?
- Can you describe your animal?
- Can you make an imaginary animal? What will it look like? How does it move around? What does it eat?

### Role Play



**Learn:** animals' characteristics (that make some of them unsuitable as pets)

**You need:** animal masks

**Play, observe & ask:**

- Can you re-enact the story?
- How would the animals move?
- How would they sound?
- Would each animal make a good pet? Why? Why not?

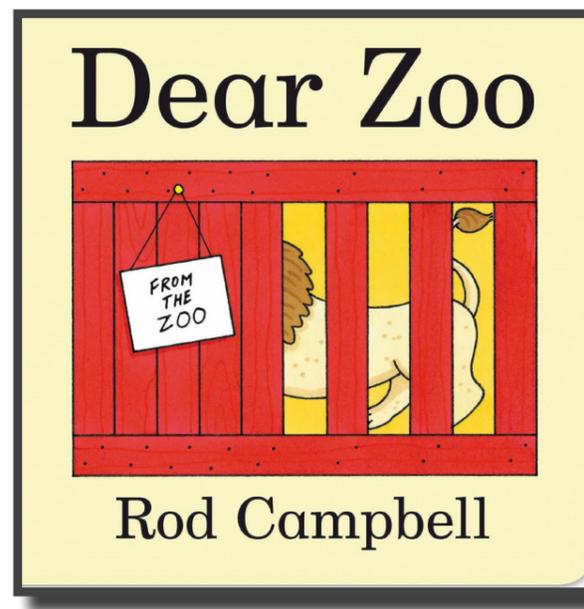
### Small World

**Learn:** similarities and differences between animals; similarities and differences between habitats

**You need:** a range of animal toys, pictures of habitats (e.g. grassland, ice, desert, rainforest), grass, ice (frozen in a baking tray), sand, leaves, bark

**Play, observe & ask:**

- Can you describe and sort the animals?
- How are they similar/different?
- Where do you think this would animal live? (Zoo animals also have a natural habitat.)
- Which other animals might live in the same place?
- How are the animals' homes similar/different?



### Water/Sand Play

**Learn:** how animals are suited to the habitats where they live

**You need:** sand and water, model desert animals and sea life

**Play, observe & ask:**

- Which animals live in the desert /in water?
- Can you describe the animals?
- What similarities and differences do you notice?
- Why are they well-suited to where they live?

### Outdoors

**Learn:** the variety of animals in the local environment

**You need:** an outdoor area to explore, magnifiers, bug catchers

**Play, observe & ask:**

- What animals can we find?
- Look closely at them. Can you describe what you see?
- Would it be a good pet? Why/why not?
- What would you like to know about this animal? How could we find out?

### Construction

**Learn:** what animals need to be healthy

**You need:** model animals, construction toys, boxes

**Play, observe & ask:**

- Can you make a safe place for the animals to live?
- How much space does the animal need?
- How can we meet its needs for food, exercise, sleep?

### Key Science Vocabulary

animal names - monkey, lion, giraffe, tiger, snake, hippopotamus, penguin

body parts - head, body, legs, tail, neck, feathers, wings, fins, gills, eyes, ears

habitats - grass, desert, rainforest, ice, snow

properties of materials - soft, hard, smooth, rough

### Further Science

What pets do children have? Why do they make good pets? What do they need to keep them healthy?

Use what children have learned about suitable and unsuitable pets to make a class version of the book – each child makes a page, choosing an unsuitable pet and explaining why this is.