

Topic: Animals and Humans

Term:

Year 3

Duration: weeks



Eden Park Primary School Knowledge Organiser



Prior Knowledge

- I know that animals, including humans, have offspring which grow into adults
- I can find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
- I can describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

The Powerful Knowledge we will take away from this science topic:

- Identify that animals including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat
- Identify that humans and some other animals have skeletons and muscles for support, protection and movement.

Word	Example
Nutrition/nutrients	Substance needed for life
Dietary fibre	Mainly from plants to aid digestion
Balanced diet	Each type of nutrient in the correct amount to maintain health
Carbohydrate	Starchy or sugars for energy
Protein	In meat, fish and eggs for muscle growth and repair
Vitamins and minerals	In fruit and veg – prevent disease
Fat	High energy source. Only a little needed
Skeleton	Bone system
Muscles	Attach to skeleton for movement

Investigation

Does muscle size matter?
(See specific content)

Working scientifically:

Set up simple practical enquiries.

Make systematic observations using simple equipment.

With prompting - suggest conclusions that can be drawn from data collected.