St John's Primary School: Science knowledge organisers

Year group: Year 2

Science focus: Animals, including humans



Key knowledge:

Growth		
Examples of growth:		
Egg > Chick > Chicken		
Egg > Caterpillar > Pupa > Butterfly		
Spawn > Tadpole > Frog		
Baby > Toddler > Child > Teenager > Adult		
Survival		
Animals and humans need to following in order to survive:	WaterFood	
	AirShelter	
Humans need the following to be healthy:	 A balanced diet (see diagram) Regular exercise To be hygienic 6-8 cups of fluids each day 	
Why exercise?	Adults should be active for around 150 minutes each week. Children (age 5-16) should be active for around 1 hour each day. Children (under 5) should be active for around 3 hours each day.	
What is good hygiene?	Washing your hands after using the toilet. Washing your private parts daily. Washing your face daily. Having a bath or shower at least twice a week. Brushing your teeth twice a day.	

Possible experiences:

Observing the life cycle of a butterfly (watching a pupa hatch into a butterfly).

Investigating the effect exercise has on the body. Trying new foods.

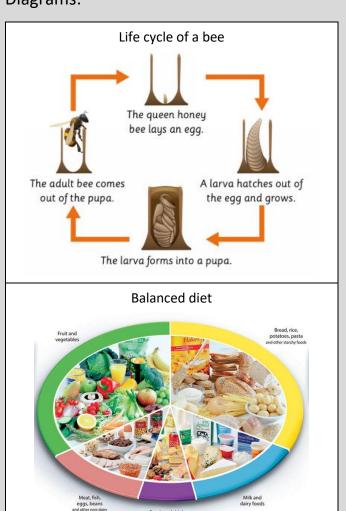
Making healthy foods.

Having tadpoles in the classroom and observing their growth into frogs.

Key vocabulary:

A person or animal's child
The process of becoming older and
getting bigger as time passes
A very young child
A young child that is beginning to
walk
A young person below the age of 13
A person between the age of 13 and
19
A grown up
Animals with no back bone
Animals with a back bone





Key concepts:

Noticing	Identifying
Describing	Observing