



**Topic Title:** Fabulous Food

**Year Group:** 2

**Academic Year:** 2021-2022

**Science Intent:**

To understand through observations and first hand experiences, the basic needs of animals for survival, as well as the importance of exercise and nutrition for humans.

<b>Prior Scientific Learning/Linked Topics:</b>  <b>PSHE- Healthy Me- understanding the differences between what is healthy and not.</b>	<b>Literacy Links (including texts/media used):</b> Supertato to the rescue	<b>Maths Links:</b> Fractions		
<b>Scientific Knowledge</b>	<b>Working Scientifically</b>			
<ul style="list-style-type: none"><li>notice that animals, including humans, have offspring which grow into adults find out about and</li><li>describe the basic needs of animals, including humans, for survival (water, food and air)</li><li>describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene</li></ul>	<b>Observing and Measuring over time</b>  Observe and identify, compare and describe.  Use simple measurements and equipment with increasing independence (stopwatches)	<b>Identifying, classifying and grouping</b>  Use simple features to compare objects, materials and living things and, with help, decide how to sort and group them.	<b>Comparative and fair testing (controlled investigations)</b>  <b>Mouldy bread experiment</b> Talk about what they have found out and how they found it out. To say what happened in my investigation. To say whether I was surprised at the results or not. To say what I would change about my investigation.	<b>Research</b>



## Content:

- **Life cycle of a human**

To look at the life cycle of a human being, Chn to bring in pictures of themselves as a baby and compare it to the their school picture. Chn to sort the pictures of a human life cycle in to the correct sequence and to identify the differences between each picture. **Observe and identify, compare and describe.** Chn to look at lifecycles of birds, frogs and chickens - sort and sequence the pictures.

- **What we need to survive**

To discuss what we need to survive. Chn to discuss during a day what they need to survive. Water, Air and food – what happens when we don't have this. What do animals need – is ot the same as humans?

- **The importance of exercise**

To discuss why we need exercise. Chn to make a list of the exercise that they do in school and outside of school. Chn to understand what happens to our body after exercise. Chn to see how many star jumps they can do in a minute (using stop watches) and to observe what happens to their bodies. **Observing and measuring over time**

- **Healthy food and our diet**

To sort foods into 'healthy' foods and those that we shouldn't eat so much (PSHE link ). What foods shouldn't we eat so much of and why? Chn to talk about different food groups – carbohydrates. Chn to discuss misconceptions about food. Chn to keep a food diary for the week.

- **Hygiene Experiment**

Hygiene experiment – Mouldy Bread experiment. **Comparative and Fair testing.** Chn to predict what they think will happen to the bread in the different conditions. Chn to record results over a 2 week period. **Making observations** and recording results. Children to draw conclusions from the experiment.



Key Vocabulary:

Mammals, birds, reptiles, amphibians, womb, egg, spawn, pregnancy, chick, hatchling, tadpole, adult.  
Exercise, heart, lungs,  
Eatwell plate, carbohydrates, food groups, balanced diet  
Fair test

Stunning Start/Marvellous Middle/Fabulous Finish:

Pizza Express  
Cream tea

OAA/Trips/Visits/Visitors:

Trip to Pizza Express