St Saviour's Catholic Primary and Nursery School

Subject: Science		
Topic: Animals including humans	**Year: 4**	**Strand: Biology: Living things**

What should I already know?

- Animals, including humans, need the right types and amount of nutrition to stay healthy and strong.
- Animals, including humans, need food, water and air to stay alive.
- Skeletons do three important jobs: protect organs inside the body; allow movement; support the body and stop it from falling on the floor.
- Skeletal muscles work in pairs to move the bones they are attached to by taking turns to contract (get shorter) and relax (get longer).

What am I going to learn?

- Enzymes are special molecules in the body (molecules make up cells, which make up tissue, glands, and organs.)
- Enzymes create a chemical reaction. In the digestive system the reaction they produce breaks down food.
- The parts of the digestive system include salivary glands, mouth, teeth, tongue, oesophagus, stomach, liver, gallbladder, pancreas, duodenum, small intestine, large intestine, rectum and anus.
- We have four types of teeth: incisors, canines, molars and premolars. They all have different purposes.
- Tooth decay is when teeth rot or become rotted.
- A food chain shows how each living thing gets food and how nutrients and energy is passed from creature to creature.
- A food web is a tool that illustrates the feeding relationship among species within a specific habitat.

Vocabulary

Autotroph: A green plant that produces its own food.

Prey: Animals that predators feed on.

Predator: Animals that kill for food.

Consumer: Living things that eat plants and/or animals.

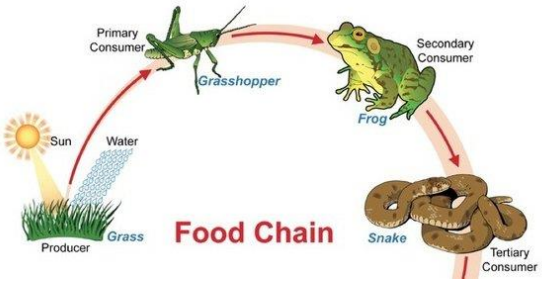
Decomposer: An organism or bacteria that breaks down dead plants and animals.

Decay: The state or process of rotting or decomposition.

Molar: A grinding tooth at the back of a mammal's mouth.

Canine: A pointed tooth between the incisors and premolars of a mammal.

Incisor: A narrow-edged tooth at the front of the mouth, adapted for cutting.



Investigations

- To investigate how food travels through the digestive system.
- To investigate how tooth decay is caused and the effects of different drinks.

Useful websites

- https://www.bbc.co.uk/bitesize/subjects/z2pfb9q
- https://www.dkfindout.com/uk/