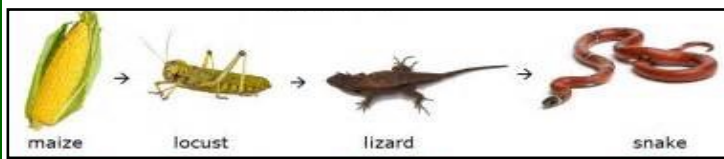
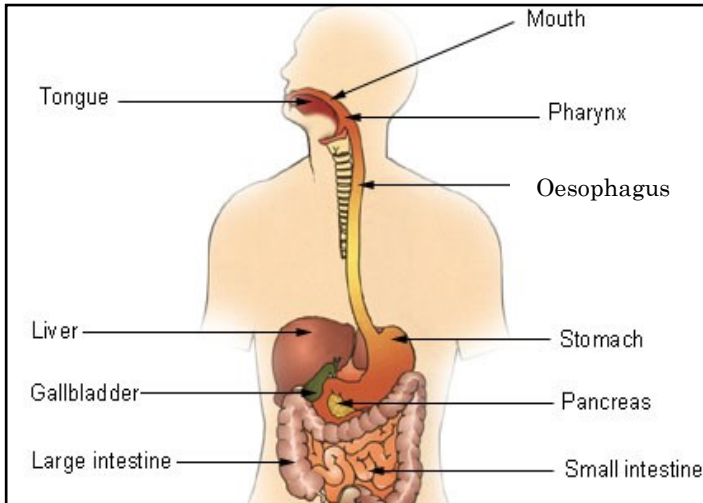


Uplands Manor Primary School - Science Unit Organiser

Science Topic:	Animals, including humans		Year 4		
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What? (Key Vocabulary)	
Spelling	Definition/Sentence
Energy	The property that gives humans strength
Waste	Unwanted substances in the body

Diagrams and Symbols



Recommended Experiments

A minimum of two experiments should take place during this unit of work with one final written outcome linked to the scientific enquiry skills and approaches used.

	Researching simple functions of the basic parts of the digestive system in humans
	Comparing the teeth of animals and discuss if they are carnivores or herbivores based on taught knowledge
	Designing and creating the longest food chain possible, predicting how long it will take for the largest predator to eat
	Experimenting with what can go wrong with the digestive system such as: hiccups and vomiting

What? (Key Knowledge)

The Human Digestive System	
What is digestion?	Digestion is the way the body breaks down the food we eat into smaller parts that can be used to give the body energy
The Main Parts of the digestive system	Mouth, tongue, pharynx, oesophagus, liver, stomach, gallbladder, pancreas, large intestine, small intestine
The digestive journey of food.	<ul style="list-style-type: none"> Humans put food into their mouth Food is chewed by the teeth Food is swallowed and passed through the pharynx and oesophagus to the stomach In the stomach, it is mashed into a mixture like soup and mixed with acid The mixture passes into the small intestine, where tiny bits of food pass into the bloodstream The food that is still left goes into the large intestine Finally, waste products leave the body

Human Teeth

Teeth Facts	<ul style="list-style-type: none"> Teeth grow in babies when they are about 6 months old 20 teeth grow by the time you are about 2.5 years old From about age 6 you start to lose teeth till about the age 12 These teeth are replaced by 32 permanent teeth
Types of teeth	Incisors, Canines, Pre-Molars, Molars
What are Molars and Pre-Molars?	<ul style="list-style-type: none"> Back teeth for crushing and grinding food
What are Canines?	<ul style="list-style-type: none"> Long pointed teeth for grabbing food
What are Incisors?	<ul style="list-style-type: none"> Front teeth for snipping and cutting food

Food Chains

What is a food chain?	<ul style="list-style-type: none"> A food chain is a diagram that shows a producer and consumers. A consumer can be a predator, prey or both The arrow means - 'is food for'
What is a producer?	Food chains start with a producer (usually a green plant or algae)
What is a consumer?	Consumers get their food by eating plants or other animals
What is a predator?	Animals which eat other animals are called predators
What is prey?	Animals that are eaten by other animals

Builds on: learning in Year 3 - Autumn 1 - Unit: Animals, including humans	Learning links	Leads to: learning in Year 5 - Autumn 1 - Unit: Animals, including humans
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