EDEN Academy Trust
Working together to make a difference

Science Curriculum – Cycle B
Lower Key Stage 2 – Autumn 1

Theme – Amimals including humans (Biology)

Enquiry Question – Why do animals have different teeth?
(Teeth, nutrition and food chains)

National Curriculum Coverage

Pupils should be taught to:
Identify that humans, including animals, need the right types and amount of nutrition and they cannot make their own food; they get nutrition from what they eat
Identify the different types of teeth in humans and their simple functions
Construct and interpret a variety of food chains, identifying producers, predators and prey.

Key Scientists:	**Comparative Test** Which liquids cause our teeth to decay the least? **Fair Test** Does the amount of sugar in a liquid effect how much tooth decay there is?	**Observation over time** How does a penny or eggshell change when it is left in cola?	**Pattern Seeking** Are foods that are high in energy always high in sugar?	**Research** Why do different types of vitamins keep up healthy and which types of food can we find them in?

Objective	Challenge	Working Scientifically	Vocabulary
• To know that animals, including humans, cannot make their own food - To know that animals get nutrition from what they eat • To know that animals including humans, need the right amounts of nutrition - To know different food groups (fruit & vegetables, potatoes/bread/rice/pasta, dairy, fats & sugars, beans/pulses/fish/eggs/meat) - To explain the different nutrients each food group provides. • To know the simple function of different types of teeth in humans - To know humans have up to 32 teeth (8 incisiors, 4 canines, 8 premolars, 8 molars and up to 4 wisdom teeth)	• To compare and contrast the diets of different animals • To explain how certain living things depend on one another to survive **or own challenges*	See separate objectives sheet.	nutrients, molar, incisor, canine, pre-molar, herbivores, carnivore, food chain, producer, predator, prey, food group, proteins, fats, fruit and vegetables, carbohydrates, dairy, nutrition, balanced diet,

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• To know and compare the difference/similarities of teeth in herbivores and carnivores • To construct and interpret a variety of food chains, identifying producers, predators and prey. - To know what a simple food chain shows - To name a variety of producers, predators and prey - To draw different food chains to include producers, predators and prey			

Prior to Teaching (Entry Point) What knowledge do we expect children to have remembered which we are going to build on in this unit?	**Assessment Exit Point** By the end of the unit, what knowledge must children know/remember to be ready for the next unit?
1. What can we do to keep healthy? Multiple answers. 2. Why does an animal need to eat? Otherwise, they will die. 3. What do we use our teeth for? To chew food. 4. Can you name a plant that an animal needs to survive? Multiple answers. 5. Which would be at the top of a food chain: grass, cow or human? Human. Vocabulary: Food chain, healthy, teeth, animals, survive	1. What are the names of the different teeth? 2. What is the function of each type of teeth? 3. What are the 5 different food groups? 4. Name a difference between the teeth of a herbivore and a carnivore? 5. Draw a food chain with a producer, predator and prey. Vocabulary: herbivore, carnivore, teeth, producer, predator and prey.