

Altrincham C of E Aided Primary School

Year 3 White Rose Science Subject Overview

Autumn term Year 3	<u>Skeletons</u> (4 weeks)	<u>Movement</u> (1 week)	<u>Nutrient and diet</u> (3 weeks)	<u>Food waste</u> (1 week)	<u>Rocks</u> (4 weeks)
<u>Lessons</u>	Lesson 1 - Identify and name bones in the human body (step 1) Lesson 2 - Functions of the skeleton (step 2) Lesson 3 - Identify and name bones in a range of animals and Animals with and without spines (steps 3&4) Lesson 4 - Are all skeletons the same? (step 5)	Lesson 1 - Joints and How we move (steps 1&2)	Lesson 1 - Food groups and Understand the 5 five food groups (steps 1&2) Lesson 2 - Balanced diets and Compare diets (step 3&4) Lesson 3 - Animal diets (step 5)	Lesson 1 - What is food waste and how can we reduce our food waste? (steps 1&2)	Lesson 1 -Identify rocks (step 1) Lesson 2 - Group rocks (step 2) Lesson 3 - Test rocks (step 3) Lesson 4 - Local rock survey (step 4)
<u>End points</u>	-Know that the human body is made up of lots of different bones -Explain how bones have specific functions - Know that mammals, birds, fish, amphibians and reptiles have a skeleton. -Explain that some animals have a spine. -Know that animals and humans have different skeletons.	-Know that a joint is where two or more bones connect. -Describe how muscles work in pairs by contracting and relaxing.	-Explain that humans get their nutrients from the food they eat. -Explain that fats can be grouped into healthy and unhealthy fats. - Understand that humans should eat a wide variety of foods and consume the right amount to maintain a healthy body weight. - Know that there are a variety of human diets including vegan, vegetarian, pescatarian and omnivorous diets. -Group animals depending on what they eat.	-Explain that a lot of food waste and food remains end up in landfill sites, where they rot and have negative impacts on the planet. -Describe the different ways that food waste can be reduced.	-Know that rocks have different properties. -Group rocks in different ways. Explain how some rocks sink and some float. -Describe how rocks have different textures and appearances.
<u>Vocabulary</u>	Skeleton, spine, ribcage, pelvis, femur skull, mammal, bird, fish, amphibian, reptile, antennae, insect, exoskeleton	Joint, hinge-joint, ball-and-socket joint, skeleton, muscle, biceps, triceps, contract, relax.	Carbohydrates, protein, dairy products, fats, sugars, fruit, vegetables, balanced diet, balanced meal, nutrient, eat well guide, vegan diet, vegetarian diet, pescatarian diet, omnivorous diet, herbivore, carnivore, omnivore.	Food waste, landfill, food waste recycling, edible, inedible.	Granite, pumice, sandstone, chalk, marble, gneiss, crystals, grains, layers, texture, hardness, sink, float, brittle, reaction, weathering.
<u>Relevant prior learning</u>	Human body parts, animal groups.	Importance of exercise.	Basic needs, correct amounts of different foods, food chains.	Sources of food.	Everyday materials, simple properties, grouping materials.
<u>Key questions and practical activities</u>	Y3 Autumn Block 1 Skeletons SOL.pdf	Y3 Autumn Block 2 Movement SOL.pdf	Y3 Autumn Block 3 Nutrition and diet SOL.pdf	Y3 Autumn Block 4 Food waste SOL.pdf	Y3 Autumn Block 5 Rocks SOL.pdf