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| **Year 6: SummerLiving Things and Their Habitats (Strand: Biology)** |
|   | **Vocabulary**OffspringSexual reproductionCharacteristicsSuitedAdaptedEnvironmentInheritedSpeciesFossilsVirusFungusBateria |
| **What I already know:** |
| Year 2* Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

Year 3* Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.

Year 4* Describe the simple functions of the basic parts of the digestive system in humans.
* Identify the different types of teeth in humans and their simple functions.
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| **What I will learn now:** |
| **Year 6*** Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.
* Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.
* Describe the ways in which nutrients and water are transported within animals, including humans.
 | **Key facts*** Living things can be animals, plants, fungus or microorganisms such as bacteria.
* Carl Linnaeus developed a classification system called Systems Naturae in 1735.
* This work allowed scientists to classify all living things, according to their similarities.
* Living things can be classified as animals, plants, fungus or microorganisms.
* Animals can be classified as vertebrates or invertebrates.
* Vertebrates can be classified as mammals, reptiles, birds, amphibians and fish.
* Invertebrates can be classified as crustaceans, insects, annelids and arachnids.
* Vertebrates have a backbone inside their bodies.
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| **What I will learn next:** |
| KS3* The consequences of imbalances in the diet, including obesity, starvation and deficiency diseases.
* The effects of recreational drugs (including substance misuse) on behaviour, health and life processes.
* The structure and functions of the gas exchange system in humans, including adaptations to function.
* The mechanism of breathing to move air in and out of the lungs.
* The impact of exercise, asthma and smoking on the human gas exchange system.
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| **Year 6: Spring/SummerLiving Things and Their Habitats (Strand: Biology)** |
| Question 1: Name the three types of microorganisms. |
| **Pre** | **Post** |
| Question 2: What categories could you classify animals in? |
| **Pre** | **Post** |
| Question 3: What is the main difference between vertebrates and invertebrates? |
| **Pre** | **Post** |
| Question 4: Name a scientist who has studied living things and contributed to their classification. |
| **Pre** | **Post** |
| Question 5: Which of the following animals is a marsupial? fox, pelican, kangaroo, spider |
| **Pre** | **Post** |
| Question 6: Write a key characteristic of the amphibians |
| **Pre** | **Post** |