**Year 4 Science Knowledge Organiser: Animals including humans**

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| **Vertebrates** - An animal with a backbone, including: mammals, birds, reptiles, amphibians and fish. |  |
| **Invertebrates** - An animal without a backbone, such as insects, molluscs, annelids and arachnids. |  |

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| **Vocabulary Dozen** | | | |
| **Classification** | The arrangement of animals and plants in groups according to their observed similarities. | **Non-flowering** | A type of green plant that has very small leaves and no flowers and that grows on rocks, bark, or wet ground. |
| **Characteristics** | A feature or quality belonging typically to a person, place, or thing and serving to identify them. | **Classify** | Arrange (a group of people or things) in classes or categories according to shared qualities or characteristics. |
| **Habitat** | The natural home or environment of an animal, plant, or other organism. | **Environment** | The surroundings or conditions in which a person, animal, or plant lives. |
| **Positive** | A desirable quality or attribute. | **Impact** | A marked effect or influence. |
| **Vertebrate** | An animal or a large group of animals distinguished by the possession of a backbone or spinal column. | **Negative** | An undesirable quality or attribute. |
| **Flowering** | A plant (such as a grass) that produces grain that can be eaten. | **Invertebrate** | An animal lacking a backbone. |

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| **Flowering plants** | | **Non-flowering plants** | |
| Dandelion |  | Fern |  |
| Daffodil |  | Conifers |  |
| Tomato Plant |  | Moss |  |