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| https://www.birklandsschool.co.uk/img/header_logo.pnghttps://www.birklandsschool.co.uk/img/header_logo.png**Birklands Primary School – SCIENCE Knowledge Organiser**  | **Year:** 3**Topic:** Animals Including Humans |

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| **Previous learning - What I should already know:*** Know that animals have offspring that grow into adults and name common offspring
* Know that animals need water, oxygen and food for survival including humans
* Know and explain why exercise and the right types of food is important for humans
* Understand the importance of hygiene to keep humans healthy.
 | Skeletons;-protect organs inside the body-allow movement-support the body and stop it falling to the floor |

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| **Key Vocabulary** |
| nutrition | food needed to live and stay healthy. |
| skeleton | a framework made of bone that supports and protects the body |
| muscle | soft tissues in the body that contract and relax to cause movement |
| spine | the line of bones down the centre of the back that supports the body |
| tendons | cords that join muscles to bone |
| joints | the connections between bones in the body |
| vertebrate | animals with backbones |
| invertebrates | animals without backbones |
| endoskeleton | internal skeleton |
| exoskeleton | external skeleton |
| carbohydrate | a nutrient which provides the body with energy  |
| protein | a nutrient which helps the body with growth and repair |

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| **Knowledge - What I need to know:*** Know that animals, including humans, need the right types and amount of nutrition
* Know that animals, including humans, cannot make their own food and that they get their nutrition from what they eat
* Know that humans and some other animals have skeletons and muscles for support, protection and movement
* Name the main body parts associated with the skeleton and muscles
* Know that different parts of the body have special functions
 | Skeletal muscles work in pairs to move the bones they are attached to by taking turns to contract (get shorter) and relax (get longer). |
|  Food pyramid concept Free VectorCereals, bread, pastafat, oil, sugar, sweetsMeat, fish, milk, eggsFruit & vegetablesFood Pyramid |