## Science—What's inside? - Year 3 - Spring 2 - Why do we need a skeleton?



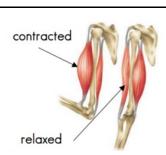
| Vocabulary Top Ten: |   |  |
|---------------------|---|--|
| Backbone            | The column of small linked bones down the middle of your back. Also known as the spine.         |  |
| Bones               | The hard parts inside your body which form your skeleton.                                       |  |
| Contract            | To make smaller by drawing together; shrink or make tighter.                                    |  |
| Endoskeleton        | The internal skeleton of an animal, especially the bony skeleton of vertebrates.                |  |
| Exoskeleton         | The protective or supporting structure covering the outside of the body of many animals.        |  |
| Joints              | The junction between two or more bones.   |  |
| Muscles             | Something inside your body which connects two bones and which you use when you make a movement. |  |
| Organs              | A part of your body that has a particular purpose.  |  |
| Tendons             | A strong cord in a person's or animal's body which joins a muscle to a bone.                    |  |
| Vertebrate          | A creature which has a spine.   |  |

## MUSCLES

Skeletons move because bones are attached to muscles.

When a muscle contracts (bunches up), it gets shorter and so pulls up the bone it is attached to.

When a muscle relaxes, it goes back to its normal size.



## Bones Names: Cranium Vertebra Scapula Ribs Humerus Sternum **Pelvis** Radius Ulna Femur **Patella** Tibia Fibula **Talus**

## Healthy Eating:

Nutrition: Nutrition includes all the stuff that's in your food, such as vitamins, protein, fat, and more. To keep your body healthy you need a balanced diet

using all of the food groups.

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|-----------------------|--|
| Carbohydrates         | Main source of energy<br>for our bodies (rice,<br>potatoes, pasta and<br>bread)  |
| Protein               | Repairs and builds<br>muscles, organs and<br>immunity (fish, meat,<br>eggs and cheese)   |
| Sugar and fats        | Stored for energy and creates a layer of fat to keep us warm You should not have too much of these (Chocolate, sweets, butter) |
| Vitamins and minerals | Keeps us growing and fighting infections (fruit and vegetables)  |
| Calcium               | Is a mineral found in foods. It is stored in our bones and teeth.  |

