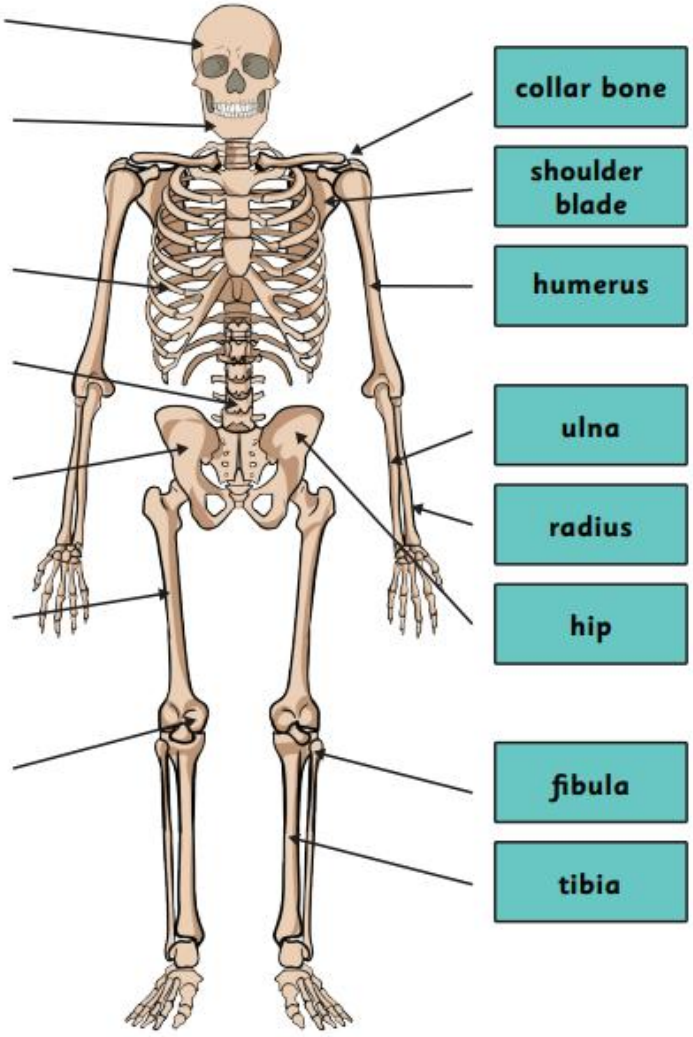
Science Knowledge Organiser

Year 4	Animals including humans	Spring 2

Bones



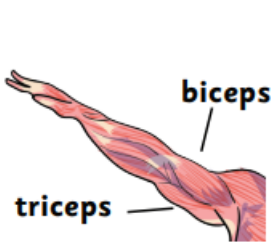
Muscles

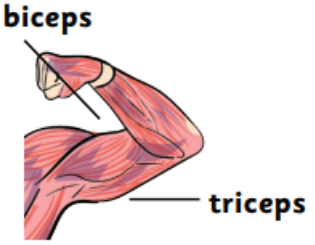
To **straighten** our arm, our **biceps relax** and our **triceps contract.** This straightens our arm.

To **bend** our arm, our **biceps contract** and our **triceps relax.** This allows us to bend our arm at the elbow joint.

When we **stretch** our muscles, they become **longer** and **thinner.**

When we **contract** our muscles, they become **shorter.**





Vertebrates are animals that have a spine or backbone as part of their skeleton. Humans are vertebrates.

Invertebrates are animal that do not have a backbone. A butterfly is an invertebrate.



