

## Science Rationale

### **Year 3 Science- The Human Body**

In Year 2 children learned about our muscular system and the role muscles play in helping us move. Building on this knowledge, in Year 3 children will learn about voluntary and involuntary muscles and their purpose. They will learn that some muscles, like our heart, move without us consciously thinking about it, but other muscles require us to command them to move. Moving forward with their understanding, children will look in more detail at the skeletal system, building on prior knowledge and elaborating through studying names of bones, joints and their function.

Building on their understanding of body systems, children will learn about the nervous system. They will learn that our brain is an organ that acts as the command centre for the many messages that run around our body through our nervous system. They will understand the importance of our spinal cord which runs through our backbone and the web of nerves that connect to it. Children will learn about reflex actions and their importance if part of our body is in danger. Returning to build on knowledge of the digestive system, children will learn the key parts of the system including the mouth, oesophagus, stomach, small intestine, large intestine and anus. They will also look at types of teeth and their functions including incisors, canine, premolars and molars.