

What are we learning about?

In this topic we are going to look at how our bodies – and other organisms – stay alive by maintaining a balance of the many substances they need for life. We will also look at our response to our surroundings.



Why are we learning about it?

Our bodies need just the right balance. Just the right temperature, amount of water, amount of glucose... the list goes on. Knowing what we need and how to keep a healthy balance is clearly key knowledge for anyone!



What new **KNOWLEDGE** will I gain?

Homeostasis and the brain, nervous system, eyes, body temperature, glucose control, kidney function, water control, hormones (plants and animals), reproduction and contraception.



Homeostasis: Learning Journey

How does this build on the **SKILLS** I already have?

All the practical skills you have learnt so far will be useful here, as always. You will also start making connections to previous topics, a vital skill for all scientists!



What new **SKILLS** will I develop?

There is a required practical in this topic that will allow you to continue developing your working scientifically skills. You will also see in more detail than ever how the whole human body works together to keep us healthy.



How does this build on the **KNOWLEDGE** I already have?

In year 8 you learnt about the structure of the human body, and now you will be learning about how that structure helps maintain a delicate balance in all of us. You will also need knowledge from earlier GCSE topics: Cells and Organisation.