



**Overview:** During their first year at Headlands, students will gain a wide range of skills in Science; gaining their 'science legs' will be their first challenge. Learning how to use equipment in a lab is crucial for future learning in science so this is where they'll begin. The students will then go on to learn about different cells under microscopes in biology, things that go fizz and bang in chemistry as well as how Waves behave in physics. It will all prove an exciting first year!

# Year 7 Science

## Term 1:

You will begin your year in Science by passing your lab safety. You must pass this to complete all future practical work in Science (don't worry though, with a bit of help and guidance you'll be a mini Einstein before you know it!) In your first term in biology you will be learning about cells and the microscope looking at the very small building blocks that make life.

In chemistry, you will be learning about particles and how the knowledge of them can be used to explain the properties of matter

Physics will be another element you cover in your first term, learning about the different forces in the world around us and how they can be used to explain and predict how objects will behave in different situations

## Term 2:

In your second term, you will again study each of the three sciences. In biology you will learn about how to study organisation looking at how cells work together to make us humans

In chemistry, you will learn about the various different substances in the universe and how they interact with each other.

And in physics we look at waves sound in particular from explaining how it behaves to how we can use it in ultrasound and infrasound.

## Term 3:

By your third and final term, you will have gained a sense of what to expect further into your science career at Headlands and we will begin to delve into the "big stuff!"

Starting in Biology, you will learn about how plants, animals and cells reproduce; Chemistry will finish off the year with everything that goes fizz and bang in the world (the bigger the better!); whilst in physics you will end with light waves and colour and the Space who wants to look into the question are we alone out there?

