

## Subject Statement

### Science



#### Why do we study this subject at ACE Tiverton?

Science helps our understanding of the world around us. Everything we know about the universe, from how trees reproduce to what an atom is made up of, is the result of scientific research and experiment. Human progress throughout history has largely rested on advances in science. From our knowledge of gravity to cutting-edge medicines, students of Science have shaped our modern world. Now it could be your turn.

#### What qualifications can I achieve in this subject?

GCSE double award science

#### What skills will I learn and practice in this subject?

High-order skills - such as inquiry, problem-solving, and thinking skills - are an integral part of science. You will learn practical skills including how to use a Bunsen burner for experiments as well as how to make accurate measurements and collect data.

#### What jobs and post 16 education opportunities can I go on to do with this subject?

There are many jobs that require a science qualification. These include teaching, medicine, scientific publishing, agriculture and the environment, animal welfare, engineering, meteorology, forensics and astronomy – and many others. Since there are so many different jobs to do with science, the skills required will vary depending on what role you're interested in. But here's a list of characteristics that will come in super handy if you're thinking of a science career. An enquiring attitude, good problem-solving skills, ability to think logically and methodically, a methodical approach to work and attention to detail.

#### What else should I know about this subject?

Science is about being curious and asking questions so if your naturally inquisitive and intrigued to know more about the weird and wonderful you will find this subject fun.

**Do I need any specific resources or kit for this subject?**

We have a wonderfully resourced science lab but it's very helpful to have your own ruler and pencil case