



### Curriculum Intent: Science

Science teaching at BHJS aims to encourage children to be curious about the world around them and equip them with the necessary skills and knowledge to give them a secure understanding of science today. Through discussions an investigation, we foster a belief in questioning the world around them so that pupils become independent learners in exploring possible answers for scientific base question. Relevant precise vocabulary is taught, reviewed and built upon and effective STEM oracy is modelled and encouraged when communicating their ideas.



### Local and Global relevance

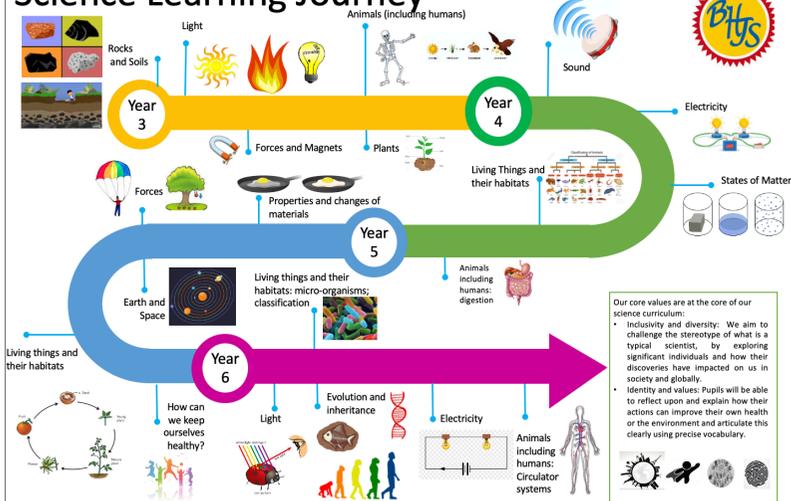
Our curriculum will allow pupils to develop their scientific knowledge and skills by exploring own health and body; animals in the local and wider environment; the materials we use for particular purposes and developing a sense of awe and wonder about the world and solar system beyond. It will allow them to engage in debates about climate change and validity of science evidence in the media.



### Confidence and resilience

At the start of each unit, prior knowledge is revisited and discussed and the working scientifically skills are built-on and developed throughout children's time at the school. This model allows children to build upon their prior knowledge whilst embedding this procedural knowledge into the long-term memory. By engaging in practical science experiments, pupils will build up confidence to make predictions based on their current understanding.

### Science Learning Journey



### Inclusivity and Diversity

We aim to challenge the stereotype of what constitutes a typical scientist, by exploring significant individuals and how their discoveries have impacted on us in society and globally. Through celebrating the role of female scientists, scientists from Bristol and those who are not widely known, we can celebrate how people from a range of diverse backgrounds have positively influenced our world.



### Identity and values

By exploring scientific content, pupils will be able to reflect upon and explain how their actions can improve their own health or the environment. We can consider how local society and governments respond to issues such as climate change and take preventative action as a result.