

SCIENCE CURRICULUM

Intent

At Brunel, we intend for pupils to have the knowledge they need to work scientifically in a meaningful way. We believe that our science mastery programme ensures pupils gain the knowledge they need to discover, understand and begin to explain the world and phenomena around them. We believe pupils are entitled to understand how science works in their own lives and in the lives of others. This will enable us to support pupils in developing positive attitudes towards science. Science matters in the world and therefore we are preparing our pupils to be scientifically literate.

Implementation

At Brunel we follow the ArkCurriculum+ (AC+) science programme. It is a fully resourced science curriculum that is aligned with the National Curriculum. Knowledge builds sequentially in the three disciplines of Biology, Physics and Chemistry with pupils often revising an idea or concept in a later unit. This curriculum design means children have the prior knowledge to assist with their learning of new topics and revisit key learning regularly that enables them to be successful. Resources for weekly lessons and the use of AC+ workbooks allow teachers to focus on supplementing the lessons with scientific investigations. This enables them to focus on bringing science to life for the pupils.

WHOLE SCHOOL OVERVIEW FOR SCIENCE

	Autumn 1	Autumn 2	Spring 1	Summer 1	Summer 2
1	Everyday materials	Autumn and Winter	Amazing Animals	Spring and Summer	Plants
2	Animals: Need for Survival	Uses of Materials	Habitats	Protecting our Environment	Plants: Bulbs and Growth
3	Skeletons and Muscles	Rocks and Fossils	Light and Shadows	Plants: Need for Survival	Forces and Magnets
4	Teeth and Digestion	States of Matter	Classification and Environments	Sound	Electricity
5	Earth and Space	Forces	Materials: Properties and Changes	Life Cycles	Growing Old
6	Light and Perception	Classification	Evolution and Inheritance	Electricity	Circulation and Lifestyle