

2024- 2025	Brainwave: The Brain	Roots, Fruits and Shoots	Existing, Endangered, Extinct	Moving People	Fairgrounds
Duration	3 weeks	5 weeks	7 weeks	8 weeks	11 weeks
Theme	The Art of Science and Learning	Living things: Plants and Animals	Habitats and Environments	People, Places and Culture	Inventions and development
Subjects	Health & Wellbeing and International	Science, Design, Technology & Innovation and International	Geography, Science, International and Design Technology & Innovation	Geography, History and International	Science, Design, Technology & Innovation and International
Overview	<p><i>Hopefully you remember learning about the brain, if not then this unit might help!</i></p> <p><i>This unit is all about metacognition, learning about learning. We are going to find out how we can help our brain and memory work harder to help us learn. This will help us with all our future learning and make us even better learners!</i></p>	<p><i>We will be learning about the life cycle of a plant following its journey from a seed to pollination, to fertilisation, to germination, to the growth and then back to seed again. We will become scientists as we investigate what plants need to grow well and the role that bees and butterflies play in plant life. We will investigate questions such as: What would happen if there were no insects in the world? What are the most important factors affecting seed germination and why do seeds need to be dispersed in different ways?</i></p>	<p><i>Our planet is teeming with different species of living things that thrive and survive all over the world, some in extreme environments. In this unit we will learn more about how we classify animals, how living things are adapted to their environments and how all living things are interdependent. As part of the web of life, humans also have an important role to play. How is human behaviour threatening the survival of many species? Can we preserve the biodiversity of our planet?</i></p>	<p><i>We will be learning about the movement of people around the world. We will gain a deeper understanding of why people have moved and the impact these movements have made on society and culture. We will need to be historians, geographers and global citizens. We will reflect on the choice to move and those that have no choice but to move. Have you or any part of your culture been influenced by the movement of people in the past or the present?</i></p>	<p><i>We all know that fairground rides are designed to ignite our senses, through fear, excitement and the unexpected but how does this happen? How are these rides powered in a way which enables them to speed up and slow down at just the right moments, whilst staying on a track that twists upside down?</i></p>