

MP3 IPC Overview 2022- 2024

2022- 2023	Brainwave: Metacognition	Fairgrounds	Going with the Flow	Endangered, Existing, Extinct
Duration	1.5 weeks	10 weeks	15 weeks	11 weeks
Theme	The Art of Science and Learning	Physical Processes	Physical Geography	Habitats and Environment
Subjects	Health & Wellbeing and International	Science, Design, Technology & Innovation and International	Geography, History, Science, Design, Technology & Innovation and International	Geography, Science, International and Design Technology & Innovation
Overview	<p>Hopefully you remember learning about the brain, if not then this unit might help! 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!</p>	<p>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?</p> <p>As technologists and designers, we will use the science behind the rides to create our own fairground rides and games.</p>	<p>We will be learning about journeys of rivers and how they play a vital role in shaping the geography of our planet. Why are rivers considered one of our planet's most precious resources?</p> <p>We will need to be geographers, scientists and historians to find out how rivers both threaten and sustain lives.</p>	<p>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.</p> <p>How is human behaviour threatening the survival of many species? Can we preserve the biodiversity of our planet?</p>

2023- 2024	Brainwave: The Brain	Bake it!	Here and Now, There and Then	900 CE	Mission to Mars
Duration	2 weeks	5 weeks	10 weeks	6 weeks	14 weeks
Theme	The Art of Science and Learning	Changing and Separating Materials	People, Places and Culture	Past Civilisations	Earth and Space
Subjects	Health & Wellbeing and International	Science, Design, Technology & Innovation and International	Geography, History and International	History and International	History, International, Geography, Science, Design Technology & Innovation and Health & Wellbeing
Overview	<p>We will be learning about the brain and neuroeducational research, connecting the science of the brain to the art of learning. We will be exploring ways in which we can use our brains to learn lots of new and different things every day.</p> <p>By finding out more about how we learn, and how we can improve the way that we learn, we will be better equipped for meeting the many challenges ahead of us.</p>	<p>We will be learning about how different materials can be changed, combined and separated through the baking of bread.</p> <p>We will need to be scientists as we examine the ingredients and processes used to create bread, working on our investigative skills to ensure our analysis is reliable.</p> <p>Are you ready to find out how much everyday science goes on in our kitchens?</p>	<p>Some of you are lucky enough to have had the chance to travel to other countries and some of you may have even lived in other countries. In this unit, you will explore how your culture, experiences and relationships shape who you are.</p> <p>You will also learn about the influences that other cultures have had on your host, home, heritage and adopted countries.</p>	<p>We will be learning that at 900 CE different ancient civilizations were rising and declining across the world.</p> <p>We will need to be historians and use artefacts and historical sources to make observations about the life cycle of civilizations and the legacies they leave us.</p> <p>What happens when empires grow? What causes change and decline? What have we learnt from these past civilisations?</p>	<p>What is the next step in human evolution? Could humans, if they needed to, find a new home in our solar system? Mars could be the answer.</p> <p>We need scientists to come on a mission to see if you can help solve the challenges of surviving and thriving on Mars.</p>