



IPC Curriculum Overview

Milepost 3 –Year 6

Autumn



AD900



The Big Idea: What holds an empire together? Perhaps it is faith – a belief in a single god or many different gods. Perhaps it is dependency – a need to work together and to help one another. Or perhaps it is leadership – strong individuals whose power and wisdom are admired. These bonds help to make empires strong. But the bigger they become, the more difficult they are to hold together...

Within this unit the children will be learning through a range of subjects: History, Art, Music and International. In our History learning, the children will be finding out about the Maya from the buildings and artefacts they left behind, how the Maya worshipped their gods, how the Maya used glyphs for writing and counting, why the Maya empire declined, what Benin City in West Africa might have looked like, how to use different sources to find out about the Kingdom of Benin, how the Edo/Benin people celebrate and worship, what happened to the Kingdom of Benin, why the prophet Mohammad was so important to the Islamic civilisation, about the achievements and inventions of the Golden Age of Islam and why the Islamic empire declined. In Art, the children will be learning how to make West African masquerade masks and costumes and how to create Islamic art. In their Music lessons the children will be finding out how to plan and perform their own West African masquerade. In International, the children will be finding out about the culture and traditions of modern day Maya and Muslims.



Additional learning opportunities: The children will have the exciting opportunity to travel back in time to explore what life was like in 900CE. They will also have the opportunity to experience what it would be like to attend the Igwe festival.

Being Human



The Big Idea: Your body is designed to help you to breathe, move, eat, respond, reproduce and live. But how do the different parts of your body function and how are humans different from other animals?

Within this unit the children will be learning through a range of subjects: Science, Technology and International. In their Science learning the children will be finding out

In Science, we'll be finding out how humans are different from other animals, about the brain and the nervous system, about the bones and muscles in the body, how the human heart works, how we breathe and what the lungs do, what we inherit from our parents, how our environment affects us, how the body uses food and water and about the latest medical research. In Technology, the children will be finding out how to plan and prepare a healthy meal. In their International learning the children will be finding out about a major global health problem and if we can improve the health of the world's children.



Additional learning opportunities: The children will be given the opportunity to participate in a Body MOT. They will analyse the affects of exercise on their heart rate and how it affects the functions of the human body such as breathing and temperature. They also will have the chance to learn the basic first aid skills by a qualified first aider, so they know how to help others in emergency situations.



Autumn continued...

Existing, Endangered, Extinct...

The Big Idea: From tiny tadpoles to giant squid, living things exist in an amazing variety of forms. Why is there so much variety and how do scientists sort, identify and classify the millions of species living today?



Within this unit, the children will be learning through a range of subjects: Science, Technology and International. Through the Science learning targets how and why living things are classified, how a vertebrate and an invertebrate are different, how to classify local plants and animals, about the effects of food chains in our locality, about friendly and unfriendly micro-organisms, how fungi are different from plants and animals and why composting is good for the environment. In Technology the children will be finding out how to make their own compost bin. In their International learning how the international community can protect endangered species and why biodiversity is important for the well-being of the planet.



Additional learning opportunities:

During this unit children will become wildlife experts, sharing their specialist knowledge of an animal of their choosing as well as looking at how school can become more eco-friendly. Their knowledge can influence pupil voice through School Council and the Eco-Team.



Earth As An Island



The Big Idea: Islands used to be isolated places, with unique cultures, geographical features and ecosystems. In today's increasingly-interdependent global community, even the most remote of islands are being ever-more affected by human existence. Explore the impact of humans on islands.

Within this unit the children will be learning through a range of subjects: Geography, Art, International, Music, PE and Technology. In Geography, their children will be learning about the geographical features of islands, about the growth and development of islands over time, including capital cities, how human geography is impacting island life, how to relocate an island community, taking both human and physical geographical factors into consideration, how to use six-figure grid references and about a case study of an island developing as a trade and transport hub. In their Art learning, the children will be finding out how to sketch aerial images of islands, about pop artists such as Andy Warhol, and how they created images, how to create our own simple prints and how to choose, mount and display images that we create. In International, the children will be finding out about the global development goals, about how our lives can affect the lives of others, including islanders, how plastics are impacting islands across the world, how we can moderate our behaviour to have a positive impact on the lives of others and how to share our learning with the wider community to affect change. In Music, the children will be finding out about different genres of island music and how island music is created, and what makes it unique. In PE, the children will be finding out how to follow an orienteering challenge relating to islands, how to follow an orienteering loop course and how to create an island-inspired dance. In Technology, the children will be finding out about the different food groups and their importance in our diets, how different foods come from different places, and why that is, how to keep safe when preparing food, how to prepare simple savoury dishes from islands around the world and how to plan, create and evaluate an island-inspired dish.



Additional learning opportunities: The children will have the exciting opportunity to experience a pirate themed day, tasting foods from around the world and exploring how different communities differ from each other.

Out of Africa



The Big Idea: First there was the big bang! Then life began on Earth 3.8 billion years ago. But when did humans arrive and where did we come from? If we can find out the answer to these questions perhaps we can figure out where we are heading in the future...

Within this unit the children will be learning through a range of units: Science, Technology and International. Through the Science learning targets the children will be finding out how life began in the sea then came out of the sea, how fossils provide information about living things from the past, why the dinosaurs died out, about the classification of plants and animals, how plants and animals reproduce, how living things evolve and change over time, how plants and animals are adapted to their environment, how adaptation leads to evolution and whether there is life on other planets. In Technology the children will be finding out about what foods early humans ate, grew and cooked and about prehistoric food and cooking techniques. In their International learning the children will be finding out how superbugs evolve and spread around the world and why we should prevent species extinction.



Additional learning opportunities: The children will be given the chance to design a prehistoric meal which can be enjoyed by the whole school.



Going Global



The Big Idea: At a time when transport and communication can connect the world in more ways than ever before, what we buy and what we consume can have a profound impact on the lives and societies of people around the world. To be a global citizen is to become a part of something bigger than ourselves. Each of us has a responsibility to the communities of which we are a part – to respect each other's cultures and needs, to support one another and ensure that we work together locally, nationally and globally.

Within this unit, the children will be learning through a range of subjects: Geography, History, Society, Technology and International. In Geography, the children will be learning about the countries that produce the clothes we wear and the products we use, where our food comes from, what products our home countries and host country import and export, how we can support the resources and industry in our local area, about tourism and its impact on countries and cultures, how we can create an eco-friendly, sustainable holiday resort and how global alliances and organisations can help countries to trade. In their History learning, the children will be learning how people used to trade in the past, what goods were available to past societies and how new products were discovered by explorers. In Society, the children will be learning about our needs and wants, and how they compare with the needs and wants of others, about the work of international charities and how some people are suffering as a result of the global market. In their Technology learning, the children will be finding out how to create their own global brand and market it to others. In International, the children will be finding out how Fair Trade helps the lives of farmers and producers in poorer countries and about media products (such as film, television and music) and how countries are affected by media globalisation



Additional learning opportunities: The children will be given the exciting opportunity to experience trading in a real life situations. They will also have the opportunity to create their own global brand and products to 'sell'.

Full Power



The Big Idea: Electricity is one of the most important discoveries ever made and we have learned how to use it to power almost every aspect of our lives. But who discovered electricity and how does it work?

Within this unit the children will be learning through a range of subjects: Science, Technology, History and International. In their Science learning the children will be finding out how to make an electrical circuit, how we can change a circuit, how to draw a circuit diagram, how to build circuits from diagrams, about different kinds of circuits, how to make an electric wire-loop game, about electricity and heat and about the dangers of electricity. In their Technology learning the children will be learning how to design a car's headlights, horn and fan and making these using electrical equipment. In History the children will be finding out who discovered electricity. Through their International learning the children will be finding out about issues concerning electricity in the future and what might happen in a power cut scenario.



Additional learning opportunity: The children will have the exciting opportunity to create 'buzz wire' style games with the children using their knowledge of electricity that has been gained throughout the unit.



Summer continued

Look Hear

The Big Idea: Whether we are driving around in our cars, working, or relaxing at home, we are turning on lights, music, TV, radio, computers and mobile phones. We are plugged in to sound and light 24 hours a day. But what is the science behind sound and light?



Within this unit, the children will be learning through a range of subjects: Science, Technology, Music and International. Through their Science learning the children will be finding out how we hear sounds and see light, how the human ear and eye works, how sound and light waves travel, how a string telephone works, how we can change the pitch of sounds and about echoes and acoustics. In Technology the children will be finding out how to make an elastic band guitar. In Music the children will be learning how to play their homemade instruments. Through their International learning the children will be finding out about light and noise pollution.



Additional learning opportunities: The children will have the exciting opportunity to explore light and make periscope using their knowledge of how light travels.