



International Primary Curriculum























Years 1-6 Topic Coverage

Updated July 2019

Table of Contents

IPC Topics	4
Year 1	5
A Day in the Life	6
What's It Made Of?	7
Time Detectives	8
Live and Let Live	9
Treasure Island	10
The Earth: Our Home	11
Push Me, Pull Me	12
Hooray! Let's go on Holiday	13
Year 2	14
Freeze It!	15
All Dressed Up	16
People of the Past	17
We Are What We Eat	18
Green Fingers	19
The Magic Toymaker	20
The Stories People Tell	21
Year 3	22
Footprints from the Past	23
Explorers and Adventurers	24
Active Planet	25
Let's Plant It	26
Time and Place, Earth and Space	27
Feel the Force	28
Year 4	29
Bright Sparks	30
Saving the World	31
Shake It	32
Temples, Tombs and Treasures	33
Land, Sea and Sky	34
On Tap	35

How Humans Work	36
Olympics: Going for Gold	37
Year 5	38
Mission to Mars	39
Here and Now, There and Then	40
What a Wonderful World.	41
Being Human.....	42
Making New Materials.....	43
The Great, The Bold and The Brave	44
Year 6	45
Full Power	46
Time Tunnel	47
Space Scientists.....	48
Go with the Flow.....	49
Out of Africa.....	50
Look Hear	51

		Autumn			Spring		Summer			
1	Brainwave	 A Day in the Life	 What's It Made Of?	 Time Detectives	 Live and Let Live	 Treasure Island	 The Earth: Our Home	 Push Me, Pull You	 Hooray! Let's Go On Holiday	
2		 Freeze It	 All Dressed Up		 People of the Past	 We Are What We Eat	 Green Fingers	 The Magic ToyMaker	 The Stories People Tell	
3		 Footprints from the Past		 Explorers and Adventurers		 Active Planet		 Let's Plant It	 Time and Place, Earth and Space	 Feel the Force
4		 Bright Sparks	 Saving the World	 Shake It	 Temples, Tombs and Treasures	 Land, Sea and Sky	 On Tap	 How Humans Work	 Olympics: Going for Gold	
5		 Mission to Mars		 Here and Now, There and Then		 What a Wonderful World	 Being Human	 Making New Materials	 The Great, The Bold and The Brave	
6		 Full Power	 Time Tunnel	 Space Scientists		 Go with the Flow		 Out of Africa	 Look Hear!	

Year 1.

A Day in the Life.

The Big Idea

It can be fun to imagine what we want to do when we grow up. The world is full of lots of different and exciting jobs. But we should remember to celebrate the things we can do now – the hobbies and interests that we enjoy, and the learning we do at school to help us achieve our goals.

In Society, we'll be finding out:

- About the jobs people do in our school
- About the jobs that our parents and family do
- About the people who help us
- How a service works and the jobs that it creates
- How to create an imaginary family for our soap opera/show

In Art, we'll be finding out:

- How to create a portrait of ourselves to show the things that we do
- How to create an ID card for our future selves in 20 years' time

In Geography, we'll be finding out:

- About the services and buildings in the local area
- How to create our own street map

In History, we'll be finding out:

- About the jobs people used to do in the past
- About significant people from the past
- What our local area might have looked like a 100 years ago

In Music, we'll be finding out:

- How to create theme music for one of our characters
- How to sing and perform the main theme music for our soap opera/show
- How to use our voices expressively and creatively in saying chants and rhymes

In Technology, we'll be finding out:

- How to make vehicles for our street map
- How to make a uniform for one of our characters
- How to plan a healthy snack for one of our characters

In International, we'll be finding out:

- How to provide a welcome party for a family from another country

What's it Made of?

The Big Idea

Everything we touch is made up of a material: wood, plastic, fabric, glass, gold, steel, etc. We use different materials to make different objects. Why? We are going to find out!

In Science, we'll be finding out:

- What objects are made of
- How we use different materials
- How to test materials
- How materials are the same or different
- How we can group materials
- How to choose materials for specific uses
- Where materials come from

In Technology, we'll be finding out:

- How to plan and design a classroom makeover
- In International, we'll be finding out:
- About the materials used to build our homes
- Why plastic waste is a global problem and what we can do about it

Time Detectives.

The Big Idea

Would you like to be a detective? A time detective who goes in search of evidence from the past? Evidence that tells you where people lived, what people did and what happened to them? Detectives need clues – our clues are going to be old objects and treasures from the past.

In History, we'll be finding out:

- How we find out about the past
- About clues that are left behind from the past
- How to sequence clues from our families' past
- How to create a 'Time Detectives' museum
- How to create a time capsule

In Science, we'll be finding out:

- About the properties of different materials
- How to sort materials into groups
- How different materials age over time

In Art, we'll be finding out:

- How to look closely at objects
- About the paintings of Joan Miró
- How to compare a photograph and a painting

In International, we'll be finding out:

- About an important historical find
- Why we learn about the past

Live and Let Live

The Big Idea

What do living things such as animals and plants need in order to survive and grow? Do humans have the same needs? What is the difference between a living thing and something that has never been alive? We are going to find the answers to these key questions in this unit.

In Science, we'll be finding out:

- What animals and humans need to survive and grow
- How living and non-living things are different
- How humans and animals grow and change
- How to carry out a survey of living things
- How to attract wildlife to our environment
- How to sort living things into groups

In Technology, we'll be finding out:

- How to make and design a bird feeder

In International, we'll be finding out:

- About animals and plants from different countries
- Why we need to look after all living species

Treasure Island

The Big Idea

Since people first sailed on the oceans, there have been pirates, who have been both fascinating and feared in equal measure. Your class will find out who these people were, and how they lived and travelled. Ahoy mateys! Let's explore the globe like pirates!

In Geography, we'll be finding out:

- About the islands that you find around the world
- About the names of places that pirates travelled
- About the islands that make up the UK and other locations, and the different features you see there
- About the weather and climate in different places that pirates visited
- About how pirates navigated around the world
- How to plan a pirate island
- How to give directions using a map

In Art, we'll be finding out:

- About different coin designs
- How to design, create and evaluate our own pirate coins
- How to design, create and evaluate a treasure chest

In Music, we'll be finding out:

- How to sing pirate songs
- How to compose and play music inspired by pirates and the sea
- How to listen to, and evaluate music we have made

In Technology, we'll be finding out:

- About the foods pirates ate
- About where food comes from in the world
- About a healthy diet
- How to plan a pirate packed lunch

In International, we'll be finding out:

- About rules that pirates followed
- About the roles and responsibilities pirates had on board
- How to stay safe near the water

In Physical Education, we'll be finding out:

- About how to play pirate games in teams
- About how to create a pirate-inspired dance
- How to participate in team games, using skills such as throwing and catching

The Earth: Our Home

The Big Idea

All living things – plants, animals and people – have a home or somewhere to live that we call a 'habitat'. A habitat can be huge like the ocean or small like a leaf. A habitat could be a forest on the other side of the world or it could be a tree in our local area. Do you know any habitats?

In Science, we'll be finding out:

- About the plants and animals living in forests
- About different types of trees
- About plants and animals that live in other habitats
- How to sort living things into different groups
- What a micro-habitat is and what creatures live there
- How animals are adapted to their environment
- How living things depend on each other

In Technology, we'll be finding out:

- How to make a habitat and nesting box for bees

In International, we'll be finding out:

- About the loss of the world's forest habitats
- About Earth Day and how we can help our planet

Push Me, Pull You

The Big Idea

Every move we make is a result of a force. We can call these forces 'pushes' or 'pulls'. You can pull yourself up from your seat and you can push yourself down again. You can make lots of other push and pull movements. Let's find out about them.

In Science, we'll be finding out:

- About pushes and pulls
- How to change the speed of a moving object
- How we use our muscles to push and pull
- How water is a force that can move things
- How we can use air to push and pull objects
- How a magnetic force can push and pull

In Technology, we'll be finding out:

- How to design a toy that uses pushes and pulls

In International, we'll be finding out:

- About children's games from around the world that use pushes and pulls
- How we can help disadvantaged children in the world who don't have toys

Hooray! Let's go on Holiday

The Big Idea

Holidays are special days when we take a rest from school and work. Our holidays in the past were very different from holidays today. Now that we can travel to all parts of the world and even space, who knows where we will go for our holidays in the future?

In Geography, we'll be finding out:

- About the places people go to on holiday
- How they get to their holiday destination
- Some of the things people do on holiday
- What people wear on holiday
- How tourism can spoil holiday places

In History, we'll be finding out:

- About the holidays that we have had in our own past
- About the holidays that our families and other people have had in the past
- What is the same and what is different between holidays in the past and today
- About some of the wonders of the world

In Art, we'll be finding out:

- How to create a sand art sculpture
- About some of the pictures that are used to record holidays
- How we can record our holidays
- About the designs of some holiday souvenirs

In ICT & Computing, we'll be finding out:

- How to use mapping software

In Society, we'll be finding out:

- How to stay safe on holiday
- What a pilgrimage is

In International, we'll be finding out:

- What is the same and what is different between the lives and home countries of the different children in our class
- How to greet people in different languages
- About future holidays in space

Year 2

Freeze It!

The Big Idea

We are going to investigate the science of freezing to make our own ice lollies and ice desserts. By doing this, we will learn all about solids and liquids and how a liquid can be cooled to make a solid and how a solid can be heated to make a liquid!

In Science, we'll be finding out:

- All about ice and water
- At what temperature water freezes
- How long ice takes to melt
- What happens when we freeze other liquids
- How we can turn ice into a healthy food
- Which materials will keep ice cool

In Technology, we'll be finding out:

- How to design and make an ice-cooler

In International, we'll be finding out:

- About the differences between hot and cold countries

All Dressed Up

The Big Idea

Have you ever seen an elephant in a dress? Or a giraffe in a pair of jeans? Of course not, because unlike animals, only humans wear clothes. Clothes are an important part of our lives. They can keep us warm (or cool). We can wear different colours and designs and change them for different occasions, we can follow the latest fashions – and even make them ourselves! So what do the clothes you wear say about you?

In Geography, we'll be finding out:

- What people wear in different countries
- What the climate is like in different parts of the world
- How the weather affects what people wear

In Science, we'll be finding out:

- How we can sort materials
- How to carry out a scientific investigation
- Which materials will keep us warm or dry

In Art, we'll be finding out:

- How to create our own tartan design
- About symmetry in design
- How to make repeat patterns

In Technology, we'll be finding out:

- How wool is made
- How to make a weaving on a cardboard 'loom'
- What felt is and how it is made
- About different methods of fastening clothes

In History, we'll be finding out:

- About clothes people wore in the past
- About comparing clothes 'then' to 'now'

In Society, we'll be finding out:

- About protective and reflective clothing

In International, we'll be finding out:

- About the clothes people wear for special occasions
- How to design a school uniform

People of the Past

The Big Idea

History is one big story, filled with important people who did many great things - scientists, rulers, artists, writers, explorers. By learning about these people and what they did, we can find out more about the qualities that make someone great.

In History, we'll be finding out:

- About the different decisions that rulers had to make in the past
- How to use a living graph to explore how a person from history might have been feeling
- About the life of a famous explorer using maps and role play
- How to compare the lives of two different explorer
- About the achievements of important scientists and inventors
- About what life was like at different times in the past

In Music, we'll be finding out:

- About the life and music of a famous composer
- How to use music to tell the story of our famous composer

In Art, we'll be finding out:

- What we can learn about a person from their portrait
- How to create a portrait of a friend
- About the work of famous artists
- How to paint a scene in the style of a famous artist

In International, we'll be finding out:

- About the idea of 'fairness' and what it means
- Why some people in the past wanted to make change

We Are What We Eat

The Big Idea

Food plays a vital role in history and culture throughout the world because food is essential to life. By learning about the different types and amounts of food our bodies need, we can plan healthier diets and enjoy longer lives.

In Science, we'll be finding out:

- Why we need to eat food and what the best foods are
- How some of our food grows
- How to carry out science investigations
- About our sense of taste

In Geography, we'll be finding out:

- Where our food comes from
- What food is eaten in our home and host country
- Why different foods grow and are eaten in different countries

In History, we'll be finding out:

- About the food that our parents and grandparents ate when they were young
- How and why the choice of food in our shops has changed
- What our ancient ancestors ate

In Art, we'll be finding out:

- About artists that use food for their ideas
- How to draw and paint fruit and vegetables
- How artists are involved in things we see around us, including advertising

In Technology, we'll be finding out:

- How to plan, make and evaluate a healthy pizza
- How to make a box for a pizza

In Society, we'll be finding out:

- How food plays a role in celebrations and festivals
- About our favourite family recipes

In International, we'll be finding out:

- About famine and drought around the world
- Where drinking water comes from

Green Fingers.

The Big Idea

Plants are living things – they grow when we give them enough sunlight, food and water. Plants give us food to eat, clean air to breathe and materials to build our houses and furniture. We can use plants to make clothes and medicines, and to decorate our gardens.

Over the next few weeks, we are going to find out how to look after plants. We will even be growing our own plants for a Flower Show at our school!

In Science, we'll be finding out:

- About plants that grow in our local area
- About the different parts of a plant
- What plants need in order to grow
- How to care for a plant

In Technology, we'll be finding out:

- How to make a watering device

In Geography, we'll be finding out:

- About plants that grow in other countries

In International, we'll be finding out:

- How people in different countries use plants
- If eating more plants could make a difference to the world

The Magic Toymaker.

The Big Idea

Toys come in many shapes and sizes. They are made of different materials but all are designed for us to have fun with, to learn new skills and to exercise our bodies and our imagination.

In History, we'll be finding out:

- About toys and games from the past
- How to decide if a toy is new or old
- How to create our own toy museum
- How we can learn about the past in different ways

In Science, we'll be finding out:

- How to sort toys based on what they are made out of
- Which materials can be bent, squashed, twisted or stretched
- What materials are best for making a bath toy
- About pushes and pulls, and how things move

In Technology, we'll be finding out:

- About 'magic' toys that fool our eyes
- How to design and make our own board game
- How to design and make our own puppets

In Physical Education, we'll be finding out:

- About how different toys move
- How to attack and defend

In ICT & Computing, we'll be finding out:

- How to make our own space-themed computer game

In International, we'll be finding out:

- About a popular game from another country and teaching others to play it

The Stories People Tell.

The Big Idea

Many of the stories that we enjoy today are influenced by the stories that have been passed down through the ages. By studying older stories, such as myths and legends, we can become storytellers too, writing and performing our own stories to entertain people today.

In History, we'll be finding out:

- About myths and legends from different times in the past
- How to create our own legend about someone we know
- About the gods that people used to worship in the past

In Art, we'll be finding out:

- How people in the past have represented stories and characters
- How we can use art to tell a creation story
- How to create our own Greek masks
- How to design and make our own dream catcher

In Physical Education, we'll be finding out:

- About fables and the lessons that they teach us
- How we can use dance and movement to tell a story

In Music, we'll be finding out:

- About songs and music that tell a story
- How we can make our own music to tell a story

In Geography, we'll be finding out:

- About stories from different countries and cultures
- How we can remember an important journey
- How we can make a map of our own imaginary land

In Society, we'll be finding out:

- About fairy tales and the lessons that they teach us
- How we can make a modern version of a fairy tale
- About who we think of as 'heroes' today

In International, we'll be finding out:

- About legendary and mythological characters from our different home countries

Year 3

Footprints from the Past

The Big Idea

Dinosaurs lived millions of years ago – long before people lived on Earth. No one has ever seen a dinosaur so how do we know anything about them? Fossil evidence and dinosaur bones provide our only clues.

Like detectives, we will try to discover what dinosaurs looked like, what they ate and what might have happened to them in the end.

In History, we'll be finding out:

- About the different time periods when dinosaurs lived
- How to make a time line
- About fossil hunters from around the world
- About different ideas to explain why the dinosaurs died out

In Geography, we'll be finding out:

- What the Earth looked like millions of years ago
- Where to look for dinosaur bones

In Science, we'll be finding out:

- What a fossil is and how a fossil is formed
- About different types of rock
- How to make a dinosaur fossil
- How to find out what dinosaurs looked like
- What dinosaurs ate
- How to sort and classify dinosaurs
- About the other animals and plants that lived at the same time as the dinosaurs

In Art, we'll be finding out:

- About how artists draw dinosaurs
- How to make a sculpture of a dinosaur
- How to make reptile-skin patterns

In International, we'll be finding out:

- Where dinosaurs have been found
- About the rules of exploration

Explorers and Adventurers

The Big Idea

Do you love discovering new places? Yes? Well you might just be an explorer. Explorers are people who travel to new places in the world and discover new things that they didn't know existed. So much of what we know today about our world is because we have been explorers in the past. Being an explorer is exciting but scary at the same time. Could you be an explorer? Let's find out.

In Geography we'll be finding out:

- How to use geographical terms
- How to use different types of world maps
- How to look for geographical information
- About places we have explored on holiday

In History, we'll be finding out:

- About explorers and adventurers in the past
- How to gather information from maps, pictures and books
- How to answer simple questions about exploration
- How explorers told the time and navigated at sea

In Art, we'll be finding out:

- About the artwork of explorer artists
- How to draw plants and animals with accuracy
- How to draw an imaginary plant or animal

In Society, we'll be finding out:

- If we think exploration is a good thing
- About conflict and exploration in the past
- About female explorers in the past and today

In Science, we'll be finding out:

- About shadows and the sun
- About magnetism and which metals are magnetic
- How to make a compass
- About using sound and echoes

In International, we'll be finding out:

- How exploration has changed the world
- Who owns the Moon and planets in space

Active Planet

The Big Idea

The tectonic plates that form the Earth's crust are always moving. Even the smallest movement can cause huge earthquakes, volcanoes and tsunamis that devastate communities across wide areas. If we can understand what is happening underground we can learn to predict and protect ourselves in the future.

In Geography, we'll be finding out:

- About how the Earth is formed
- What a volcano island is and where they are in the world
- What causes an earthquake?
- How earthquakes can be measured

In Technology, we'll be finding out:

- What makes buildings strong
- About protective clothing and equipment
- About how to put together a survival kit

In Science, we'll be finding out:

- About solids, liquids and gases in volcanoes
- What happens when a volcano erupts
- What happens when rock melts
- How volcanoes can give off poisonous gas

In Music, we'll be finding out:

- How to use instruments to make sound pictures
- How to compose our own piece of music

In History, we'll be finding out:

- About the devastation of Pompeii

In Art, we'll be finding out:

- About hot and cold colours
- About using different materials and techniques to represent a volcano

In Physical Education, we'll be finding out:

- How to use lots of different sequences of movement to show the story of volcanoes

In Society, we'll be finding out:

- About legends associated with volcanoes
- Why people continue to live in volcanic areas despite the dangers

In International, we'll be finding out:

- About international organisations that work after natural disasters
- About the knock-on effects of earthquakes and volcanic activity

Let's Plant It

The Big Idea

Plants grow in all corners of the globe – even in extremely hot and extremely cold places. This is good news for people and animals because without plants we couldn't live...

In Science, we'll be finding out:

- About plants in our local area
- What plants need in order to grow
- About water transport within plants
- About local food chains
- Why plants have leaves
- About different rocks and soils

In Technology, we'll be finding out:

- How to make a garden obelisk

In Geography, we'll be finding out:

- Where the plants we eat come from

In International, we'll be finding out:

- About cash crops
- If eating more plants could make a difference to the world

Time and Place, Earth and Space

The Big Idea

We know that when we look up at our sky on a clear day we will see the Sun. We know the Sun gives us light to heat the Earth and help things grow but what does the Sun have to do with our time? It's time to find out!

In Science, we'll be finding out:

- How the movement of the Sun and the Earth relates to time
- How shadows are formed and how we can use them to measure time

In Geography, we'll be finding out:

- How the movement of the Earth around the Sun creates different seasons, weather patterns and natural environments around the world
- How human activities can be affected by the different seasons around the world
- How the Earth is divided into different time zones and how this impacts on human activity and communications
- How to locate countries and places using latitude and longitude on a globe

In Technology, we'll be finding out:

- How we can create our own sun dial to tell the time
- How we can design and create a calendar to help someone plan their time

In ICT & Computing, we'll be finding out:

- How technology can help us communicate across the world
- How timetables can be used to help us plan a journey

In Society, we'll be finding out:

- About festivals and traditions connected with light

In International, we'll be finding out:

- About similarities and differences between people in different parts of the world

Feel the Force

The Big Idea

Without forces to push and pull us along, nothing on Earth or in the wider Universe would move. Forces are so important that it is almost impossible to imagine a world without them – and yet, they are invisible. Let's find out more...

In Science, we'll be finding out:

- What forces are and where they come from
- What friction is and how we use friction
- How we can reduce or increase friction
- How to measure the strength of a force
- How magnets and magnetic forces work

In Technology, we'll be finding out:

- How to design and make a marble run
- How to add sounds, lights and control mechanisms to a structure

In International, we'll be finding out:

- About extreme and dangerous forces

Year 4

Bright Sparks

The Big Idea

Electricity is an energy that flows along wires in our homes, schools, offices, towns and cities to power lights, televisions, computers, cars and trains, and hundreds of other things that we use every day. Let's find out what we can do with electricity.

In Science, we'll be finding out:

- Which common appliances run on electricity
- How to make an electrical circuit
- Which materials allow electricity to pass through them
- What happens when we change a circuit
- How to build bigger circuits
- About magnetism and electricity
- About using electricity as heat
- How to keep safe around electricity

In Technology, we'll be finding out:

- How to make a house with lighting and a door buzzer

In History, we'll be finding out:

- About the history of the electric light bulb

In International, we'll be finding out:

- How we produce electricity in our country
- Why saving electricity is good for the planet

Saving the World

The Big Idea

Rainforests once covered 14% of our world's surface. Now they cover less than 5%. Every second, an area of the rainforest the size of a football field is being destroyed. Some scientists believe that, if we lose our rainforests, we might put our whole planet at risk. What will we do to help save the rainforest?

In Geography, we'll be finding out:

- About where rainforests are in the world
- Which rainforest products we use in our everyday lives
- About the lives of rainforest people and how they compare with our own
- How and why the rainforest is being destroyed
- Discovering the ways that people are trying to save the rainforest

In ICT & Computing, we'll be finding out:

- How to program and share our own rainforest-themed computer game

In Art, we'll be finding out:

- About rainforest body art and painting our faces in a similar style
- How we can use art to create a rainforest scene

In Science, we'll be finding out:

- About different rainforest animals and plants
- Where different animals and plants live in the rainforest
- About rocks and soils found on the forest floor
- About colour in the rainforest and how it is used by animals and plants
- Why plants have leaves and why they can be different
- About the best conditions to grow a plant
- About rainforest fruits and seeds
- How to grow our own rainforest plant from a seed

In Technology, we'll be finding out:

- How to plan and make our own tropical fruit drink

In Music, we'll be finding out:

- How to represent a rainforest scene using music

In Physical Education, we'll be finding out:

- How to represent a rainforest scene using dance and mime

In International, we'll be finding out:

- How different countries and organisations are helping to save our rainforests

Shake It

The Big Idea

We are going to find out all about solids, liquids and gases by making butter and cheese, and milkshakes.

In Science, we'll be finding out:

- About solids, liquids and gases
- How we can change milk into a solid
- How some materials change when heated or cooled
- What happens when butter is heated
- About the behaviour of gases in liquids
- Which solids will dissolve in a liquid
- About the science of making milkshakes

In Technology, we'll be finding out:

- How to design and make a hand whisk

In International, we'll be finding out:

- Why milk is scarce in some countries and what we can do to help

Temples, Tombs and Treasures

The Big Idea

The people who helped create the first great civilisations were not unlike you and me. Today we can learn a lot about these people and their way of life through the things they left behind – from everyday objects to magnificent and rare treasures.

In History, we'll be finding out:

- Why rivers were important to ancient civilisations
- What daily life was like in Ancient Egypt
- How to write using Egyptian hieroglyphics
- About the different rulers of Egypt
- About Ancient Egyptian religion and burials
- How the Ancient Egyptians might have built the pyramids
- About the treasures discovered in Tutankhamun's tomb
- How to use different sources to find out about Ancient Sumer
- How to compare life in Ancient Sumer with life in Ancient Egypt

In Music, we'll be finding out:

- About the instruments used in Ancient Egypt and Ancient Sumer
- How to create our own music to retell a story from an ancient civilisation

In Art, we'll be finding out:

- How to plan and create our own tomb wall painting
- How to make an Ancient Egyptian headdress

In International, we'll be finding out:

- How to plan an Ancient Egyptian celebration to share with friends and family

Land, Sea and Sky

The Big Idea

Plants and animals can adapt to living almost anywhere on our Earth. Wherever we look on the land, in the sea and in the sky, we find living things that have evolved in unique ways just to live there.

In Science, we'll be finding out:

- How water plants are different from other plants
- How fish have adapted to living in water
- How birds are adapted to flying
- How to create a classification key to group animals
- About different kinds of rocks and soils
- How fossils are formed
- About food chains in different world habitats
- About the life cycles of plants and animals
- About different kinds of rocks and soils
- How fossils are formed

In Technology, we'll be finding out:

- How to set up an aquarium

In International, we'll be finding out:

- How environmental changes are a threat to the world's coral reefs
- About Earth Day and how we can help our planet

On Tap

The Big Idea

We use water for many things – it is an important part of our daily lives. For most of us, clean fresh water is available ‘on tap’. But not everybody in the world is as lucky.

In Geography, we’ll be finding out:

- About the water cycle and how rain is made
- How water gets to our taps and where it goes to after we have used it
- What causes water pollution and what can be done about it

In Science, we’ll be finding out:

- How to make our own water cycle
- How to investigate and clean different water samples

In Society, we’ll be finding out:

- About bottled water and how it compares to tap water
- Making a hands-free washing device to help improve hygiene

In International, we’ll be finding out:

- How some people around the world do not have access to clean water
- How we can help to improve the lives of people in poorer countries

How Humans Work

The Big Idea

Your body is like an engine that never stops working. By knowing how your body works you can learn to look after it better and stay healthy.

In Science, we'll be finding out:

- That we need light in order to see
- How human teeth compare to animal teeth
- How our body uses food and water
- How our heart works to keep us alive
- All about skeletons and muscles
- About the human life cycle
- Why exercise is good for us
- How tobacco and alcohol harm the body
- Which foods keep us healthy and why

In Technology, we'll be finding out:

- How to plan and prepare a healthy meal

In International, we'll be finding out:

- About people's health problems
- If we can improve the health of the world's children

Olympics: Going for Gold

The Big Idea

The Olympic Games are a global celebration of sport and achievement that brings people from all around the world together. Our school is going to hold its own Olympics, giving everyone the chance to celebrate their skills, work together as a team, and share our achievements with others. It's time to go for gold!

In Geography, we'll be:

Exploring the host city of Rio de Janeiro in Brazil
Finding out about the features of the Rio Olympic park
Designing our own Olympic park

In Additional Languages, we'll be:

Finding out about Brazil, and showing our understanding by joining in and responding to quiz questions
How to recognise, read, write and pronounce the names of different Olympic sports
How to speak in sentences using familiar words and phrases about Olympic sports and venues
How to introduce ourselves and give information to visiting athletes

In History, we'll be:

Finding out about the Ancient Olympic Games
Comparing the Olympics, past and present

In Technology, we'll be:

Designing and making our own Olympic mascot
Designing and making a moving picture book

In Music, we'll be:

Learning how to exercise our voice and sing in pitch
Learning and recording the song '*Lighting Up The Flame*'

In Physical Education, we'll be:

Playing a game adapted for athletes with disabilities
Developing our own gymnastic performance

In International, we'll be:

Creating a welcome guide to Brazil for visitors to the Olympics

Year 5

Mission to Mars

The Big Idea

One day, humans may need to leave Earth and settle on another planet. Mars is our most likely destination – a world that we believe once harboured life and, with our intervention, may do so again in the future.

In Science, we'll be finding out:

- About the planets in our solar system
- About mass and weight, and the effects of gravity
- How to grow seeds and plants, and choose those that will be suitable for Mars
- How to identify a living organism
- About different energy sources
- About different forces and their effects
- How to choose the best energy source/s for our Mars shelter

In Geography, we'll be finding out:

- About the geographical features of Mars
- How we can prove that there was once water on Mars

In Technology, we'll be finding out:

- About the technology that has been used to explore Mars
- How to design and make a robot to explore Mars
- How to design and make a suitable shelter for living on Mars

In History, we'll be finding out:

- About what people in the past used to think about Mars
- About the evidence to prove and disprove intelligent life on Mars

In Physical Education, we'll be finding out:

- How to ensure we are fit and healthy for our space mission
- How to plan and test our own exercises suitable for space travel

In Society, we'll be finding out:

- How to work as a team
- How to assemble a successful team for our mission to Mars

In International, we'll be finding out:

- How to write our own international rules and regulations for Mars
- About the reasons why we might one day need to live on another planet

Here and Now, There and Then

The Big Idea

Some of you are lucky enough to have had the chance to live in more than one country. You can talk about your 'host country' and 'home country'. You will have learned so much from this experience – let's find out what you know and what more there is to learn ...

In Geography, we'll be finding out:

- How to locate the host and home countries
- How these countries are connected
- What these countries are like
- How they are similar and different

In History, we'll be finding out:

- About the history of our host and home countries
- About history from people, photographs and maps
- About history from museums and books
- About history from buildings and architecture

In Society, we'll be finding out:

- If the host/home countries are in the news
- About issues that affect the host/home countries

In International, we'll be finding out:

- What things we have brought to the host country
- How the host and home countries have worked together

What a Wonderful World

The Big Idea

Natural forces have been shaping our planet for many billions of years and these dramatic changes are still going on, right now, all around us.

Throughout this unit we will be learning more about the physical processes that shape our planet – and the vital role that we play in safeguarding our planet and its resources for future generations.

In Geography, we'll be finding out:

- About different regions and environments around the world
- How to use different types of map to find out information
- About the forces and processes that shape our planet
- About extreme weather events and how they affect people and localities
- About the possible causes of climate change and its effects on our planet
- How man-made changes can alter/change our local environment

In ICT & Computing, we'll be finding out:

- How to program an online quiz to test our knowledge of biomes

In Science, we'll be finding out:

- How to classify different types of rock and soil
- About the effects of weathering on different types of rock
- About the movements of the Earth, Sun and Moon and how they affect us
- About different types of cloud and how they are formed
- How we can set up a weather station and record data

In International, we'll be finding out:

- About local and global environmental issues
- How different international aid groups and charities are helping those affected by environmental issues

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? Let's find 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
- About the latest medical research

In Technology, we'll be finding out:

- How to plan and prepare a healthy meal

In International, we'll be finding out:

- About a major global health problem
- If we can improve the health of the world's children

Making New Materials

The Big Idea

We are surrounded by amazing materials that can be shaped, combined, condensed, frozen, melted and burned. In this unit, we are going to experiment with different kinds of materials, and become cooks, chemists and creators of new materials.

In Science, we'll be finding out:

- About the chemistry of cooking
- What happens when we dissolve or melt things
- About gases and what they are
- About different materials used in the kitchen
- About conductors and insulators
- About magnetic materials and their uses
- How to separate mixtures by sieving, filtering and evaporating

In Technology, we'll be finding out:

- How to make our own clay
- How glass is made
- How to create a brand new material

In History, we'll be finding out:

- About the importance of bronze, iron and clay
- About wax, papyrus and paper

In Art, we'll be finding out:

- How artists use different materials in their work
- How to choose materials to express an idea

In International, we'll be finding out:

- How different countries work together to invent new materials

The Great, The Bold and The Brave

The Big Idea

The history of western civilisation begins with the Greeks and the Romans. Their expanding empires helped to spread ideas about architecture, food, entertainment, literature, science, medicine and politics across the globe. As their empires ended, other cultures rose to prominence, absorbing and passing on their own ideas and cultures – creating the world we know today.

In History, we'll be finding out:

- About the Greek city-states of Athens and Sparta
- How people voted in Athens and Sparta
- How the Persian War brought the Greek city-states together
- What the Parthenon can tell us about Athenian life
- How to perform our own Greek play
- About the life Alexander the Great and what he achieved
- Why Rome had a republic and then an emperor
- What daily life was like in Ancient Rome
- What happened when the Romans invaded another country
- Why the Roman Empire declined
- What happened when the Anglo-Saxons invaded and settled in Britain
- About the Viking invasion of Britain
- About the life and legacy of Alfred the Great
- How to use archaeological evidence to find out about the past
- About the history of Britain, from the Roman occupation to the Norman Conquest

In Music, we'll be finding out:

- How to write and perform our own Greek chorus

In Art, we'll be finding out:

- About Ancient Greek and Roman art
- How to create our own piece of art in a Greek or Roman style

In International, we'll be finding out:

- About the effects of invasion on countries around the world

Year 6

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?

In Science, we'll 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
- About the dangers of electricity

In Technology, we'll be finding out:

- How to design a car's headlights, horn and fan

In History, we'll be finding out:

- Who discovered electricity

In International, we'll be finding out:

- About issues concerning electricity in the future
- What might happen in a power cut scenario

Time Tunnel

The Big Idea

Chronology involves putting things in the right order. This is very important when studying history because it helps us to see 'the big picture' – to understand the reasons why things have happened and how the present is influenced by the past.

In History, we'll be finding out:

- How historical time can be recorded and measured
- How we can sort, sequence and order the past
- How we can interpret events to explore the attitudes of people in the past
- What happened at different times in different cultures

In Geography, we'll be finding out:

- About the history of a location in the host country
- How the movements of people affect the physical and human features of a location
- How we can use maps to find out about the history of a location

In Art, we'll be finding out:

- How artists from different periods have used art to record history
- How we can use art to record a historical event

In International, we'll be finding out:

- What we can learn from the past

Space Scientists

The Big Idea

In this unit, the children are future scientists who have to deal with the big questions concerning the Earth and our place in space. Some people now believe that the colonisation of space is essential for humanity's long-term survival. Could the Moon be a source of clean energy, and could Mars be our future home? Your class are going to find out!

In Science, we'll be finding out:

How we can prove that Earth is a sphere
What our planet is made of
If the Earth is a magnet
About the Earth's atmosphere
Why we need the Sun
How the Sun, Earth and Moon are connected
Why the Earth's rotation results in day and night
How to make a shadow clock
How the tilt of Earth's axis gives us the seasons
How the Moon affects the Earth
If there is a better place to live than Earth

In Technology, we'll be finding out:

About the Saturn and Soyuz rockets
How we can make a model rocket

In International, we'll be finding out:

About mining clean energy on the Moon
About future colonisation of another planet
About the ethics of space tourism

Go with the Flow

The Big Idea

Rivers play a vital role in shaping the geography of our planet, providing nutrients, habitats and transport for people, plants and animals, and also supplying us with energy to power machinery and generate electricity. Rivers really are our most precious resource.

In Geography, we'll be finding out:

- How the shape of a river is always changing
- How it changes the land through which it flows
- What happens when it floods
- What uses people make of rivers

In Science, we'll be finding out:

- Where water comes from
- How to grow a stalactite
- How to clean water
- How water can be used to make power
- How rivers provide habitats for wildlife

In Technology, we'll be finding out:

- About different types of bridges and how they are built
- How to build our own bridge to span a gap and support a weight

In History, we'll be finding out:

- About the importance of the River Nile in every aspect of life in Ancient Egypt

In Society, we'll be finding out:

- About the advantages and disadvantages of damming a river

In International, we'll be finding out:

- About the effect of river management on different countries and communities

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...

In Science, we'll 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
Whether there is life on other planets

In Technology we'll be finding out:

What foods early humans ate, grew and cooked
About prehistoric food and cooking techniques

In International, we'll be finding out:

How superbugs evolve and spread around the world
Why we should prevent species extinction

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? Let's find out!

In Science, we'll 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
- About echoes and acoustics

In Technology, we'll be finding out:

- How to make an elastic-band guitar

In Music, we'll be finding out:

- How to play our homemade instruments

In International, we'll be finding out:

- About noise and light pollution