

Grade 3 IPC overview

Unit overviews			
Unit	Subject	Content	
Unit 1: Brain waves	Health and Wellbeing	The different types of learning (Knowledge, Skills and Understanding)	
		The importance of practice when learning a skill	
		The brain and its connection to learning	
		How we can deepen our learning by making connections across different subjects	
		How positive thinking can help us to succeed	
	International	Why it is important to learn from other children and cultures around the world.	
	Science	How to look after our brain	
2 - Bright Sparks	Science	How to make different electrical circuits	
		Materials that conduct electricity	
		How to build more complex circuits	
		Using electricity to make a magnet.	
	Design technology	How to make a model with light and sound.	
	Humanities	The different ways electricity is generated.	
	International	How we (and others) can save electricity	
	Health and wellbeing	Keeping safe around electricity	
		Affordable electricity for all	
	Key skills assessed:		
	Science:		
		<ul style="list-style-type: none"> • Be able to plan an investigation changing only one independent variable • Be able to make informed predictions 	

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	<ul style="list-style-type: none"> • Be able to identify potential risks in a planned investigation • Be able to compare results to predictions and draw conclusions 	
Unit 3 - Shaping up	Science	How our eyes and ears work
		The different jobs our teeth do
		The digestive system
		The Circulatory System
		The Respiratory System
		The skeleton and muscles
		Why we should eat a range of different foods
	Health and wellbeing	The Human Life Cycle
		Exercise and healthy lifestyles
		Mental health
		Caring for our eyes and ears
		Oral Hygiene
		Protecting ourselves from germs
	International	Health challenges children face around the world
		Food safety
		Exercise in different countries
	Key skills assessed:	
	International: <ul style="list-style-type: none"> • Be able to research commonalities between different places and cultures 	
	Unit 3 - Making waves (Turn it up)	Science
How sounds travel to the ear		
How we see and hear things and why we need light to see things		
Differences between how light and sound travel		

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	International	Light and noise pollution
		How we can take action to reduce light and noise pollution.
	Technology	Making a pitched wind instrument.
	Key skills assessed:	
	Science: <ul style="list-style-type: none"> • Be able to plan an investigation changing only one independent variable • Be able to make informed predictions • Be able to compare results to predictions and draw conclusions Design technology and innovation: <ul style="list-style-type: none"> • Be able to use modelling and testing to explore parts of a design 	
Unit 5 - Island life	Geography	The continents of the world and their islands
		Interpreting and using maps
		Lines marked on maps and globes that divide up the Earth
		The geographical features on different islands
		Features of a river
		The water cycle
		How to use 4 figure grid references
		The different ways islands are formed
		How humans have developed and made use of islands
	Humanities	Darwin's exploration of islands.
	International	The unique cultural aspects of a place
		How island culture and ecology is under threat and how to protect them
	Key skills assessed:	
Humanities: <ul style="list-style-type: none"> • Be able to interpret maps of familiar and unfamiliar places, including digital maps • Be able to identify relevant data to answer questions • Be able to describe geographical features of the host continent 		

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	<ul style="list-style-type: none"> Be able to select and record relevant information including multiple sources <p>International:</p> <ul style="list-style-type: none"> Be able to research commonalities between different places and cultures Be able to reflect on their personal contribution to collective action 	
Unit 6 - Inventions that changed the world	Humanities	Inventions that changed how we live
		How to use different sources to find out historical information
		Creating an invention timeline
		Reasons for inventions
		Consequences of inventions
	Science	The forces of pushes and pulls
		Different types of simple machines
		Man-made materials and their properties.
	Design technology	How to make a pinhole camera
		How cams work
		Designing and making a moving toy
	International	Global access to electricity
		International collaboration on the International Space Station
	Health and wellbeing	Technology and medicines that support our health
	Key skills assessed:	
<p>Humanities:</p> <ul style="list-style-type: none"> Be able to select and record relevant information including multiple sources Be able to organise events and societies chronologically Be able to suggest reasons for particular events and changes Be able to describe results/consequences of historical events, situations <p>Design technology:</p> <ul style="list-style-type: none"> Be able to use modelling and testing to explore parts of a design Be able to compare their design and product explaining any differences and suggesting improvements 		

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During distance learning there may be adaptations to this overview.
All core learning will be covered.

