

Rolling Programme Year 2 and 3 – YEAR B

Science				
Term	Topic	Science Unit	Merged Year 2/3 Learning Objectives	Scientific Enquiry / Investigation
Autumn	<i>Helpful Hands, Kind Hearts – Florence Nightingale</i>	Animals Including Humans	- Notice humans and animals need food, water and air to survive - Describe importance of exercise, food and hygiene - Identify basic needs for health and survival - Understand how hygiene helps prevent illness	Which method is best for stopping germs spreading?
Spring	<i>Rainforests</i>	Plants	- Observe how seeds and bulbs grow - Identify what plants need to survive - Explore functions of roots, stems, leaves and flowers - Investigate how rainforest plants adapt to their environment	How does light or water affect plant growth?
Summer	<i>Tell Us a Story – Beatrix Potter</i>	Working Scientifically / Seasonal Change Light	- Ask simple scientific questions - Gather and record data - Observe changes over time - Identify and classify living things in local habitats - Use observation and recording skills linked to nature writing	What wildlife can we observe and classify in our school environment?
History				
Term	Topic	History Focus	Merged Year 2/3 History Learning Objectives	Historical Enquiry / Investigation
Autumn	<i>Helpful Hands, Kind Hearts</i>	Florence Nightingale and Hospitals Through Time	- Learn about significant individuals beyond living memory - Compare healthcare in the past and present - Explore how Florence Nightingale improved hospitals - Sequence events and use historical vocabulary accurately	<i>How did Florence Nightingale change healthcare?</i>
Spring	<i>Rainforests</i>	Indigenous Tribes and Changing Environments	- Study how people lived in rainforest communities over time - Compare traditional lifestyles with modern life - Understand how environments influence daily life - Use artefacts, stories, and images to learn about the past	<i>How has life changed for rainforest communities?</i>
Summer	<i>Tell Us a Story</i>	Authors and Historical Storytelling	- Learn about significant authors including Beatrix Potter - Understand how stories reflect life in different periods - Compare childhood, homes, and environments from the past with today - Use books and illustrations as historical sources	<i>What can stories teach us about the past?</i>
Geography				
Term	Topic	Geography Focus	Merged Year 2/3 Geography Learning Objectives	Geographical Enquiry / Investigation
Autumn	<i>Helpful Hands, Kind Hearts</i>	Local Environment and Community Geography	- Identify features of the local area and community services - Understand how hospitals and services support communities - Use maps and simple keys - Explore how environments can affect health and wellbeing	<i>How does our local environment help people stay healthy and safe?</i>

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Spring	<i>Rainforests</i>	Physical Geography – Climate and Biomes	- Locate rainforest regions of the world - Understand key features of tropical climates - Identify layers of the rainforest and their features - Compare rainforest environments with the UK - Explore how humans affect rainforest environments	<i>Why are rainforests important and how are they changing?</i>
Summer	<i>Tell Us a Story</i>	Place Knowledge and Environmental Study	- Compare local environments with those in stories and books - Use maps and photographs to identify features - Describe how places change over time - Develop fieldwork and observational skills in the local environment	<i>How do stories help us understand different places and environments?</i>
Design and Technology				
Term	Topic	DT Focus	Merged Year 2/3 DT Learning Objectives	Geographical Enquiry / Investigation
Autumn	<i>Helpful Hands, Kind Hearts</i>	Healthy Eating and Food Technology	- Understand principles of healthy eating - Prepare simple healthy foods safely and hygienically - Design a healthy meal or snack - Use basic food preparation techniques - Evaluate products based on taste, appearance and nutrition	<i>How can we design healthy foods that help people stay well?</i>
Spring	<i>Rainforests</i>	Shelters and Structures	- Design rainforest shelters or habitats - Explore how structures can withstand weather conditions - Use strengthening and reinforcing techniques - Select suitable materials for purpose - Test and evaluate structures	<i>How can we design a shelter suited to a rainforest environment?</i>
Summer	<i>Tell Us a Story</i>	Puppets and Story Products	- Design products for a specific audience and purpose - Use textiles and joining techniques to create puppets or story props - Develop ideas through drawing and mock-ups - Evaluate finished products and suggest improvements - Understand how design supports storytelling	<i>How can we design products that help bring stories to life?</i>
Art				
Term	Topic	Art Focus	Merged Year 2/3 DT Learning Objectives	Geographical Enquiry / Investigation
Autumn	<i>Helpful Hands, Kind Hearts</i>	Portraits and Observational Drawing	- Use sketchbooks to practise facial features and proportions - Draw from observation - Experiment with tone, shading and texture - Create portraits inspired by Florence Nightingale - Evaluate similarities and differences in portraits	<i>How can art capture the character and achievements of a person?</i>

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Spring	<i>Rainforests</i>	Textiles, Printing and Nature Art	- Explore natural patterns, textures and colours - Use collage, weaving and printing techniques - Sketch plants and rainforest animals from observation - Design artwork inspired by natural forms - Combine materials to create textured outcomes	<i>How can artists use nature as inspiration for design?</i>
Summer	<i>Tell Us a Story</i>	Illustration and Product Design – Beatrix Potter	- Explore illustration techniques in storytelling - Design and create story-based products or artwork - Combine drawing, painting and collage - Use pattern and texture to enhance illustrations - Evaluate designs for purpose and audience	<i>How do illustrations help bring stories and characters to life?</i>
Computing				
Term	Topic	Computing Focus	Merged Year 2/3 Computing Learning Objectives	Computing Enquiry / Investigation
Autumn	<i>Helpful Hands, Kind Hearts</i>	Algorithms and Programming	- Understand that algorithms are precise sets of instructions - Use sequences involving directions, angles and turns - Predict outcomes of simple programs - Test programs and identify errors - Debug and improve instructions	<i>How do computers follow and respond to instructions?</i>
Spring	<i>Rainforests</i>	Information Technology	- Organise and retrieve digital content - Use technology to collect and present information - Search for information online safely - Use different software for similar purposes	<i>How can technology help us organise and share information?</i>
Summer	<i>Tell Us a Story</i>	Digital Creativity	- Design and create digital content - Manipulate and improve digital images - Combine text and images for a purpose and audience - Present information digitally	<i>How can we use technology creatively to communicate ideas?</i>
PE				
Term	Topic	PE Focus	Merged Year 2/3 PE Learning Objectives	PE Enquiry / Investigation
Autumn 1	<i>Helpful Hands, Kind Hearts</i>	Ball Games – football	- Develop control when throwing, catching, kicking, hitting and rolling - Use space effectively in team games - Begin to use simple tactics to support teammates and challenge opponents - Follow and apply rules fairly - Work cooperatively as part of a team	How can we use teamwork and tactics to improve our game play?
Autumn 1		Dance	- Perform dances with coordination, rhythm and control - Change speed, level, direction and timing in movement - Create and link movement phrases independently and with others - Use movement to express ideas, moods and feelings - Remember and repeat sequences accurately	How can movement and dance communicate ideas and emotions?

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Spring 1	<i>Rainforests</i>	Gymnastics	- Plan, perform and adapt sequences of movements - Link actions with control, balance and coordination - Use apparatus safely and effectively - Work independently and with partners/groups - Evaluate and improve performances using feedback	
Spring 2		Ball Games: tennis	-I decide the best space to be in during a game. - Use tactics and positional awareness during gameplay - I use hitting, kicking and/or rolling in a game.	
Summer 1	<i>Tell Us a Story</i>	Athletics	- Run at different speeds and directions with control - Develop coordination in running, jumping and relay activities - Improve stamina and movement technique - Work cooperatively in team challenges	
Summer 2		Ball games: Striking and Fielding / Team Games: Rounders	- Apply throwing, catching and striking skills in competitive games - Use tactics and positional awareness during gameplay - Follow rules fairly and show good sportsmanship - Evaluate performances and suggest improvements	<i>How can we improve teamwork and tactics in competitive games?</i>