



Topic overview – Year 2/3 (CYCLE A)

Summer 2	
Topic name	Into the Unknown
Big question	How did we learn to fly?
Linked books	Look Up! – Nathan Byron Man on the Moon – Simon Bartram Little People, Big Dreams (Neil Armstrong, Amelia Earhart and Mae Jemison)
Memorable experience	Mosque Visit
Outdoor learning	Sports Day
Reading aims	Listen to and discuss texts Use inference to understand texts Link what they have read or heard to their own experiences Discuss word meanings
Writing aims	Recount – Question and answer with Neil Armstrong Questions Word classes (proper nouns and nouns) Main and subordinate clauses Using a range of conjunctions Instructions – How to fight an alien -rhetorical questions -prefixes (auto, super, anti) -apostrophes for contraction -using speech marks (conversation between boy and alien)
Speaking & listening aims	Ask questions to support their understanding Use strategies to build their vocabulary
Maths aims	Measurement: Length, Height, Mass, Capacity, Temperature Children will learn to: Year 2: -Measure length in cm and m -Compare and order lengths -Use the 4 operations within length -Measure mass in g and kg -Compare and order mass -Measure capacity in ml and l -Measure temperature Year 3: -Measure length in mm -Look at equivalent lengths -Measure perimeter -Compare lengths -Add and subtract lengths -Measure mass and capacity (g, kg, ml, l) -Compare mass and capacity -Add and subtract mass and capacity Statistics Year 2 Children will be able to: -Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. -Ask and answer questions by counting the number of objects in each category and sorting the categories by quantity.



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	<p>-Ask and answer questions about totalling and comparing categorical data. Year 3 Children will be able to:</p> <ul style="list-style-type: none"> -Interpret and present data using bar charts, pictograms and tables. -Solve one-step and two-step questions using information presented in scaled bar charts, pictograms and tables. <p>Position and Direction Children will learn to:</p> <ul style="list-style-type: none"> -Describe movement and position (left, right, below, between, above) -Describe turns (quarter turn, half turn, clockwise, anticlockwise)
Science aims	<p>Animals, including humans</p> <ul style="list-style-type: none"> - Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. - Identify that animals, including humans, need the right amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat. - Identify that humans and some other animals have skeletons and muscles for support, protection and movement.
History aims	<p>History of Flight Children will learn about events beyond living memory that are significant nationally or globally. Children will be able to:</p> <ul style="list-style-type: none"> -Identify important events surrounding the history of flight. -Explain how a significant event has changed the lives of others. -Ask questions about people and events in the past. -Use primary sources to find out about people and events in the past. -Correctly order five events on a timeline.
Geography aims	No geography in this half term.
DT aims	<p>Making a pneumatic toy Children will:</p> <ul style="list-style-type: none"> -Understand how pneumatic systems work. -Understand that pneumatic systems can be used as part of a mechanism. -Know that pneumatic systems operate by drawing in, releasing and compressing air.
Art and design aims	No art in this half term.
Music aims	No music this half term.
Computing aims	<p>Digital Literacy (E-Safety) To understand the rules for social media platforms. (Year 3, Lesson 5 – Rules of social media)</p> <p>Data Handling <i>Year 2 Summer 2</i> <i>International Space Station (5 lessons)</i> Understand how computers help humans to survive in space. Create a digital drawing of essential items for life in space. Understand the role of sensors on the ISS. Create an algorithm for growing a plant in space. Interpret data.</p>
PSHE aims	<p>Safety and the Changing Body Children will learn:</p> <ul style="list-style-type: none"> - To understand what the internet is and how it can help us (Year 2: lesson 1 – introduction to the Internet) - To understand how to stay safe when using the internet (Year 2: Lesson 2 – communicating online) - To understand the importance of being kind online and what this looks like (Year 3: Lesson 3 – be kind online)



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	<ul style="list-style-type: none"> - To understand that cyberbullying involves being unkind online (Year 3: lesson 4 – cyberbullying) - To understand that not all emails are genuine (Year 3: Lesson 5 – fake emails) - To understand ways to keep safe on and near roads (Year 2: Lesson 7 – road safety) - To understand ways to keep safe on and near roads (Year 2: Lesson 8 – crossing roads safely) - To develop an understanding of safety on or near roads (Year 3: lesson 8 – keeping safe out and about)
<p>PE aims</p>	<p>Athletics Year 2 Year 3</p> <p>Acquiring and developing skills Children will be able to remember, repeat and link combinations of actions. Children will be able to use their bodies and a variety of equipment with greater control and coordination. Children will be able to run at fast, medium and slow speeds, changing speed and direction. Children will be able to link running and jumping activities with some fluency, control and consistency.</p> <p>Selecting and applying skills, tactics and compositional ideas Children will be able to use their bodies and a variety of equipment with greater control and coordination. Children will be able to take part in a relay activity, remembering when to run and what to do; Children will be able to throw a variety of objects, changing their action for accuracy and distance.</p> <p>Knowledge and understanding of fitness and health Children will be able to recognise and describe what their bodies feel like during different types of activity. Children will be able to understand the need to adhere to simple safety rules and practices. Children will be able to understand when the body uses more energy.</p> <p>Evaluating and improving performance Children will be able to catch, copy and describe what they and others have done. Children will be able to watch, describe and evaluate the effectiveness of a performance. Children will be able to describe how their performance has improved over time.</p>
<p>RE aims</p>	<p>What makes some places sacred to some believers? 1.8 Children will learn:</p> <ul style="list-style-type: none"> - to recognise that there are special places where people go to worship, and talk about what people do there - to identify at least three objects used in worship in two religions and give a simple account of how they are used and something about what they mean - to identify a belief about worship and a belief about God, connecting these beliefs simply to a place of worship - to give examples of stories, objects, symbols and actions used in churches, mosques and/or synagogues which show what people believe - give simple examples of how people worship at a church, mosque or synagogue - talk about why some people like to belong to a sacred building or a community - think, talk and ask good questions about what happens in a church, synagogue or mosque, saying what they think about these questions, giving good reasons for their ideas - talk about what makes some places special to people, and what the difference is between religious and non-religious special places.
<p>Foreign language aims</p>	<p>French Children will:</p> <ul style="list-style-type: none"> -Say what pets they have. -Ask someone if they have pets. -Use numbers and recognise plurals.