

Year 2 Our Growing World

Key Aim – Through this learning theme, we aim to

Develop and foster a love of Science and Technology through investigations and inspiring literature.

Key Vocabulary:

engineer	scientist	architect
author	invention	inventor
design	problem solve	
bulb	seeds	

Key facts:

- Many plants grow from bulbs or seeds
- Bulbs and seeds come in different shapes and sizes
- Seeds can be found inside the fruit or on the outside of the fruit
- Bulbs store food for plants to use when they grow again
- Plants need water, light and a suitable temperature to grow
- Plants will not be healthy if the conditions are not right
- Notice that animals, including humans, have offspring which grow into adults

- Reading and listening to whole books helps to increase vocabulary and grammatical knowledge, These activities also help to understand how different types of writing, including narratives, are structured. All these can be drawn on for writing.
- New vocabulary from reading can be used in writing
- Author studies develop reading, writing, research and critical thinking skills

Key Concepts and Skills:

- To gain a wider understanding of the word 'growth' in different contexts
- To understand the needs of a plant to grow well and thrive
- To understand about personal growth
- To understand about the growth of technology and its impact on the world (The Wright Brothers)

Quality Texts to Inspire Us:

Rosie Revere Engineer by Andrea Beaty



Ada Twist Scientist by Andrea Beaty



Iggie Peck Architect by Andrea Beaty



YEAR 2
Our Growing World
Summer 1 2024

Outcome:
To write a persuasive letter about an invention.

Hook: A series of books about engineering and inventions.



As Readers, we will:

- read further common exception words, noting unusual correspondences between spelling and sound and where these occur in the word
- read most words quickly and accurately, without overt sounding and blending, when they have been frequently encountered
- read aloud books closely matched to their improving phonic knowledge, sounding out **most unfamiliar words** accurately, automatically and without undue hesitation
- predict what might happen on the basis of what has been read so far
- explain what has happened so far in what they have read

Key Texts:

- Own reading book
- Rosie Revere Engineer by Andrea Beaty
- Ada Twist Scientist by Andrea Beaty
- Iggy Peck Architect by Andrea Beaty

As Writers, we will:

- write predictions about stories
- write answers to questions from our reading
- explain differences and similarities between stories written by the same author
- write about similarities and differences between two stories written by the same author
- write a persuasive letter

Key Vocabulary:

- sentence, capital letter, full stop, adjective, noun phrases

Must Haves:

- learning to spell common exception words
- start using some of the diagonal and horizontal strokes needed to join letters and understand which letters, when adjacent to one another, are best left unjoined

As Mathematicians, we will:

- become fluent and apply knowledge of numbers to reason with, discuss and solve problems that emphasise the value of each digit in two-digit numbers
- recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems
- solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts

Key Vocabulary:

add *problem solve*
subtract *explain*
total
difference
multiply
divide
missing numbers
calculate

As **Scientists**, we will:

Work scientifically

- Observe closely, using simple equipment and perform simple tests
- Record and communicate findings in a range of ways and begin to use simple scientific language
- Ask simple questions and recognise they can be answered in different ways
- Identify and classify
- Use their observations and ideas to suggest answers to questions

- Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy
- Observe and describe how seeds and bulbs grow into mature plants
- Notice that animals, including humans, have offspring which grow into adults

Key Vocabulary:

plant	bulb	seed	shoot	roots
sunshine		temperature		growth
compost		measurement		observe

offspring	growth	egg
adult	parent	baby
child	teenager	life cycle
mammal	adolescent	amphibian
frogspawn	tadpole	froglet
caterpillar	pupa	butterfly
compare		

As **Historians**, we will:

- Study the Wright brothers and their work
- Piece together visual clues
- Learn why the Wright brothers' invention was so ground-breaking.
- Retell and sequence events
- Consider sources of evidence

Key Vocabulary:

Atlantic Ocean	pioneer
glider	solo
Helicopter	Wilbur Wright
inventor	Orville Wright
jumbo jet	
pilot	

As **Designers and Artists**, we will:

- use a range of materials creatively to design and make products
- use drawing, painting and sculpture to develop and share ideas, experiences and imagination
- develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space
- learn about the work of a range of artists, describing the differences and similarities between different practices and disciplines, and making links to their own work.

Key Vocabulary:

Claude Monet	painting
Impressionism	shade
Georgia O'Keefe	brightness
dabbing	darkness
colour	pastels

As **Computer Technologists** we will:

- learn about making music on a computer
- say how music can make us feel
- identify that there are patterns in music
- experiment with sound using a computer
- use a computer to create a musical pattern
- create music for a purpose
- review and refine our computer work

Key Vocabulary:

music	planets	Mars	Venus
war	peace	quiet	loud
feelings	emotions	pattern	rhythm
pulse	beat	Neptune	pitch
tempo	notes	instrument	
create	open	edit	

In **PE** we will:

- run with agility and confidence
- learn the best jumping techniques for distance
- throw different objects in a variety of ways
- hurdle an obstacle and maintain effective running style
- run for distance
- complete an obstacle course with control and agility

Key Vocabulary:

direction	speed	balance
swing	power	hurdle
distance	relaxed	obstacle
relay		

In **PSHE** we will:

- learn about belonging to a community and group
- explore roles and responsibilities
- understand being the same and different in the community
- think about different rights and responsibilities in school and the wider community
- know how a community can help people from different groups to feel included

Key Vocabulary:

community	group
responsibility	rights

As **Musicians**, we will:

- use voices expressively and creatively by singing songs and speaking chants and rhymes
- play tuned and untuned instruments musically
- listen with concentration and understanding to a range of high-quality live and recorded music
- experiment with, create, select and combine sounds using the inter-related dimensions of music

Key Vocabulary:

sing	
tuned instruments	untuned instruments
speed	timbre
beat	rhythm