

# Innovative Inventions Year 4

Autumn Term 1.1 2022

Value of the Term: Friendship

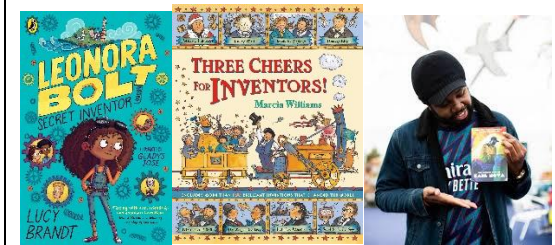


St Barnabas  
C of E Primary School

Be Inspired by books

The children will be reading

Leonora Bolt- Secret Inventor  
Non-fiction texts linked to habitats  
Poetry by Karl Nova



## Key Questions?

How do Inventors get their inspiration?  
What have been the best inventions from the last 100 years?



## Launch

The children will watch Wallace and Gromit – Cracking Contraptions

## Explore

The children will investigate different inventors and their inventions and become an inventor designing their own invention to help improve the school environmentally.

## Celebrate

The children will create a selling pitch for their design and present in a dragon's den style situation.

## Reading

- Develop positive attitudes to reading, and an understanding of what they read by:
- Listening to and discussing a wide range of fiction, non-fiction, poetry and reference books.

## Writing



Writing will be based using texts we are reading

- Non-chronological report based on David Attenborough.
- Persuasive speech to promote their invention.
- A set of instructions to make a fruit kebab.

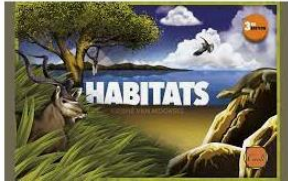
## Maths

- Reading and Writing numbers to 1000
- Counting in 1000s
- 1000s, 100s, 10s and 1s
- Representing numbers to 10,000
- Numbers to 10,000 on a number line
- Partitioning
- 1000 more or less than

<ul style="list-style-type: none"> <li>➤ Using dictionaries to check the meaning of words that they have read.</li> <li>➤ Participate in discussions about books that are read to them and those they can read for themselves, taking turns and listening to what others say.</li> <li>➤ Develop and use VIPERS comprehension skills- Vocabulary, Inference, Prediction, Explanations, Summarise.</li> </ul>	<ul style="list-style-type: none"> <li>➤ A persuasive advert to sell their fruit kebab.</li> <li>➤ Rap/poetry linked to Karl Nova</li> </ul>	<ul style="list-style-type: none"> <li>➤ Compare 4 digit numbers</li> <li>➤ Counting in 25s</li> <li>➤ Negative numbers</li> </ul>
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Christian Values	PSHE	Music	Thrive
<p>Throughout this term we will aim to make Year 4 a happy, welcoming and purposeful place where each individual is valued, respected, encouraged and cared for. <b>Friendship</b> is the school value for this half term.</p> 	<p><b>Being my Best</b></p> <p>What makes me Me! Making choices Keeping myself healthy Reduce, Reuse, Recycle My school community</p>	<p>Learn to play the glockenspiel and the cornet. Skills involved will be: rhythm, tempo, dynamics, structure, beginning and ending.</p>	<p>To develop healthy relationships with their peers and to be respectful of others views and values.</p>
Spellings	Art/ Food Tech	Geography	
<p>The children will be learning to:</p> <ul style="list-style-type: none"> <li>➤ spell the Year 3 and 4 common exception words</li> <li>➤ Add the prefix mis- and revise un-, in-, dis-</li> <li>➤ Use the short u sound spelt ou</li> <li>➤ Add the prefix auto-</li> <li>➤ Spell words connected to the Year 4 topics.</li> </ul>	<p>Self-portraits and skin tone. Andy Goldsworthy- Art inspired by the natural world. Look at some examples from the PoliNations exhibition in Birmingham. Food Technology Invent and make a fruit kebab</p>	<p>Looking at land use in Worcester- natural vs man-made Look at how humans' actions have impacted on the natural world.</p>	
Science	Computing	Religious Education	
<p><b>Living things and their Habitats</b></p> <ul style="list-style-type: none"> <li>➤ Looking at different animal habitats. What habitat a particular animal might live in and why</li> <li>➤ Look at how scientists classify animals into broad groups</li> </ul>	<p><b>Espresso Coding:</b></p> <ul style="list-style-type: none"> <li>➤ Learn how computers use variables to count things and keep track of what is going on.</li> <li>➤ Create simple games which use a score variable</li> <li>➤ Play Kahoot</li> <li>➤ Insert pictures and text into a powerpoint and change size</li> </ul>	<p>What is the Trinity? And why is it important for Christians?</p> 	

- Identify similarities and differences between animals
- Explore human impact on the environment.



## PE and Outdoor Learning

### INVASION GAMES:

Football skills – shooting, tackling, sending and receiving set pieces.

### Outdoor Learning

Habitat trip to the park and salmon fish pass

### Indoor PE

Dance link to inventions Robot Dance : developing a dance sequence using robotic movements and techniques.

## British Values

We are going to be learning about British values

### • Mutual Respect

We might not always agree with other people, but we try to show respect for their thoughts and feelings.

We can give respect to others and we can expect other people to show us respect.