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# YEAR 5 LEARNING MAP

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## Gatwick to Galaxy: What does the future hold?

How was aviation invented? What types of innovative transport will be developed in the future? How fast will aeroplanes become?

Year 5 will embark on an exciting journey into the future of Gatwick airport and involve themselves in important current debates surrounding aviation and futuristic ideas. By becoming geographers and historians, they will delve into the background of one of the world's most famous airports and consider vital questions and concepts that may have shaped our modern-day lives. Then we will journey into the future, imagining what our world will be like tomorrow: will we live on the moon? Will robots rule our lives? What will our locality look like in 50, 100 or 200 years?

TERM 1 - 2020-2021  
WATERFIELD PRIMARY SCHOOL

## Year 5 Term 1

### Gatwick to Galaxy: What does the future hold?

#### English

Our core text – ‘Cogheart’ by Peter Bunzl will take us beyond steam-punk to imagine a world as weirdly inventive as Philip Pullman’s Clockwork and Ridley Scott’s Blade Runner. Our second core text, ‘Orion Lost’ by Alistair Chisholm will take us on a voyage of discovery and will inspire our own sci-fi narratives. A fantastic opportunity to engage in a universe of imagination and fantasy.

In our non-fiction unit, we will be applying our ideas from Design and Technology to independently write an explanation text to describe the features and uses of their transport invention.

#### Key Text Highlights

**Journey** by Aron Becker

**Cogheart** by Peter Bunzl

**Orion Lost** by Alistair Chisholm

#### Maths

As experienced mathematicians, we will be exploring patterns, sequences and different representations of numbers up to 100,000.

This term will be an excellent opportunity to consolidate our place value skills and start to refine and develop our calculation methods.

We will generate our own data to be displayed in a range of different ways, including: bar charts, line graphs and tally charts.

#### PSHCE

Children will be working with our three key values: Kind, Respect and Hardworking. Children will be using current affairs to reflect on the world and develop an understanding of differing views.

#### The Arts

Children will be exploring the role and impact of the famous Victorian artist William Morris.

They will be designing repeating patterns on printing blocks to create their own wrapping paper in the style of William Morris.

In DT, they will be inventing futuristic modes of transport by considering the planning and design process required for effective inventions.

In Music the children will be composing and evaluating as they learn the ukulele.

#### Computing

The children will learn to use a wide range of Microsoft programmes and begin a unit of work on coding. We will also be looking at e-safety and the importance of being a good digital citizen.

#### Science

**Earth and Space – Children will answer key questions and use the knowledge below to predict the future.**

Children will be discovering how the Earth moves and expanding their knowledge of the other planets in our solar system.

They will explore the shape of planets and find evidence to prove their theories.

They will investigate the Sun, Moon and Earth create day and night.

#### Humanities Geography & History

Children will be using maps, atlases and digital media to delve into the history of the location of Gatwick and Crawley.

Explore aviation transport across the United Kingdom by gathering and analysing data on the change in population in the local area over time.

They will debate about the environmental issues surrounding Gatwick’s developments – should a second runway be built?

Children will be rewinding time back to life before Gatwick and aviation to familiarise themselves with key inventors over time and how this has impacted modern day life.

They will be stepping back in time to the life of a child in Victorian times and considering the impact of how their inventions are still used today.

From the Wright brothers to the double-decker A380 airbus, children will be discovering the evolution of air transport and predict the future.

#### RE

The children will explore the concept of sacred items, symbols and books - gaining a growing understanding of Islam, Christianity and Judaism.

**Languages** The children will begin to explore core Spanish vocabulary.