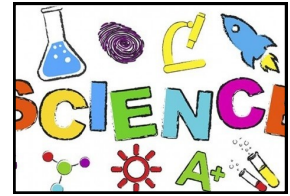


## St. Anne's Catholic Primary School

### Year 5 Knowledge Organiser

#### 'We are Scientists.'

*"Loving God In All We Do."*



#### The 'We are scientists' topic is about:

Learning about inventors and inventions, both past and present. They'll become inventors, through their Design and Technology project, plus investigate forces through Science.

By the end of the topic, the children will be able to name significant inventors and inventions that have shaped our world. They'll be able to identify the need to keep evolving and moving forward.

#### What we already know...

The children know about some inventors and their inventions, plus they understand that inventions can improve and develop our world.

They have a good grounding of forces from previous science learning in earlier year groups.

#### By the end of the topic we will know...

The importance of researching and evaluating existing products, when developing a design project and the need to consider the user and purpose at all times.

#### By the end of the topic we will be able to...

- Record ideas using annotated diagrams.
- Sketch and model alternative ideas.
- Develop one idea in depth.

#### Vocabulary

##### **Science**

forces, push, pull, opposing, gravity, resistance, friction, attract, repel, fair test, variables, cause and effect, prediction, reliability, conclusion.

##### **Design and Technology**

research, investigate, inventors, inventions, designs, models, function, user, purpose.

##### **English**

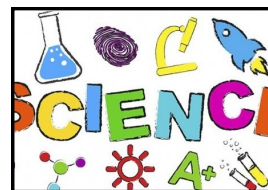
historical, past, factual, script, characters, direction, expression.



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**Year 5 Knowledge Organiser**

**'We are scientists.'**



### **Wider curriculum learning**

History: Investigating the scientists and inventors who have made significant contributions to our world.

Music: To understand and develop their skills in Rhythmic Composition.

P.E.: Athletics - developing their skills in throwing, jumping and running.

Outdoor and Adventurous Activities (OAA) - orienteering, map reading and problem solving.

### **We are going to read:**

Professor Branestawm by Norman Hunter. Our English lessons are based upon 'Stories with historical settings', focusing on the language and the settings.

They will also be reading, exploring and performing film & play scripts.

### **Let's try this at home:**

Look at the spelling list for Year 5 to consolidate learning, plus the weekly spellings set on Spelling Shed and tested on a Friday.

Exploring the inventions within your home and while out and about, discussing their function and purpose.

### **Key dates for this half term:**

PE days are Mondays and Thursdays, children to continue wearing their kits all day.

All homework will be set on Class Charts, plus any messages.

Homework will be issued online every Friday, via Class Charts, ready for the following Friday.

**Please refer to the school calendar on the school website to keep up to date with all events.**