



Need for Speed! Year 3 / Spring Term

Part of Nicholas Postgate Catholic Academy Trust

Curriculum Overview

Learning Challenge: Key Questions & Enquiry

Should we slow down change in order to make an impact on our climate?
How have people moved from place to place throughout history?
Why do people want to travel quickly?

Memorable Experiences

Visits: Locomotive Museum Shildon or York
Specific Events: Wacky Races! Moving vehicles launch and test
Science Themed Day: Inventions & Inventors Day

Learning Environment

Historic timeline showing the changes in transport networks throughout the ages.
Historic time line showing the progression of inventions throughout the ages.
Showcase sculptures and sketches of movements of people

Inspirational People

Inventors – The Wright Brothers
George Stephenson
Karl Benz
Rob Smedley

Coverage Summary

As geographers we will:

- **Communicate geographically** describing key aspects of human geography and land use relating to heavy industry and renewable resources in the local area.
- **Investigate Places** carry out fieldwork in the local area of the school using a range of maps, plans and technology to identify the wide range of human and physical features available to us in our locality.

As historians we will:

- **Communicate historically** using dates, time periods and eras to explain how people travelled to and around Middlesbrough/Britain over time.
- **Investigate and interpret the past** using evidence to ask and answer questions about the past and suggest causes and consequences of some of the changes in history.
- **Investigate and interpret the past** consider the first flight and understand why there are different accounts of a historical event. Be able to explain some of the reasons why the accounts may differ.
- **Build an overview of world history** comparing some of the times studied with those of other areas of interest around the world, e.g. is there a common time frame for the most notable inventions which have impacted on modern society.
- **Understand chronology** place events, significant inventions, artefacts and historical figures on a time line using dates. Consider the impact which the inventions have had on our society, throughout history and for us today.

Resources

Stockton Darlington Railway Opening - Art
A journey into space – Art & Design CQE Pg120 & 122
The first flight – CQE History Pg 84-85
The steam engine – CQE History Pg 76-77
The Bronze Age – CQE History Pg 98-99
Romans around the world – CQE History Pg 108-109
The Vikings – CQE History Pg 116 & 118
Transportation – CQE Geography Pg112-117

Enriching Texts

The Iron Man - Ted Hughes

English in Context

As writers we will:

- **Organisation**
Non-chronological reports based on inventions, moving vehicles or modes of transport.
- **Purpose**
Create explanation or instructional texts

Maths in Context

As mathematicians we will:

- **Use measures**
Convert between different units of measure.
Compare duration of events.
- **Use measures**
Investigate and calculate distances using units of measure

Computing

As users of technology we will:

- **Collect**
Begin to use databases to present research and findings linked to transportation.

Science in Context

As scientists we will:

Work scientifically

Physics – Movement , Forces and Magnets

- Investigate through observation how vehicles move across different surfaces and compare the results. Create an investigation to explore and model the effects of friction on motion.

SMSC

Using our British Values we will:

Spiritual - Demonstrate a sense of enjoyment and fascination in learning about themselves, others and the world.

Moral- Demonstrate an understanding of the consequences of their behaviour and actions

Social- Willingness to take part in a variety of community and social settings, by volunteering, cooperating and resolving conflict effectively.

Cultural - Appreciate the cultural influences that have shaped their own heritage and that of others.

Catholic Social Teaching

As followers of Christ we will:

- **The dignity of work and the rights of workers** - Give reasons for the existence of the Fair Trade foundation.
- Make links between their choices and the impact on workers from other countries.

Art & Design Technology

As artists and designers we will:

- **Master techniques**
Sculpting mouldable materials to create recognisable forms.
Use texture to convey expression or movement
- **Take inspiration for the greats**
Investigate the works of Space artists to gain an appreciation of how their art has inspired our image of space.
- **Master practical skills**
Cut, measure and join materials accurately to build a moving vehicle allowing for adaptations highlighted during computer design.
- **Design make evaluate and improve**
Design a vehicle with a purpose, make it, test it and evaluate and refine the product design.

Music in Context

As musicians we will:

- **Listen & Compose**
- Develop an appreciation for the music Short Ride in a Fast Machine by John Adams (modern period). Use drones to add effects and enhance the composition of John Adams.

