



Year 5 Autumn Term 3 Theme

Science and Technology:

- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.
- Find out about the work of different scientists and how they're work/inventions have affected modern society.
- use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups
- select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

Arts and Creativity:

- Clay work
- appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians
- develop an understanding of the history of music.

How Have We Changed?

Context:

Britain in World War Two; local and physical geography and how the war altered the landscape; land settlement and use (the Land Army and 'Dig for Victory' campaign); trade links (evacuation and migration); local, regional, national and international connections – similarities and differences.

Place and Time:

- a significant turning point in British history
 - a study over time tracing how several aspects of national history are reflected in the locality
- a study of an aspect of history or a site dating from a period beyond 1066 that is significant in the locality.
- understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom
- use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.
- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied

Language, Oracy and Literacy:

- Poetry – writing, rehearsing and performing classic poetry; narrative poems
- Short stories – mystery
- Argument and debate

- Talk about family and friends; list family members; discuss favourite hobbies.

Mathematics:

- Place-value
- addition and subtraction
- co-ordinates and interpreting graphs
- multiplication and division
- fractions and decimals

Physical and Emotional Health/Citizenship and Ethics:

- Tag Rugby and Gymnastics
- Negotiating and influencing

Faith and Belief:

- Religion in the Neighbourhood – looking at religious changes in the locality and how it's changed – local religion.