



Year 2, Autumn Term 1

World of Inventions

Narrative

This term we will be exploring some of the many wonderful inventions throughout history. We will be learning about historical inventors/inventions and these will lead to our scientific experiments and our own inventions. As we learn more about the properties of materials, we will make our own planes and boats.

Alongside this, we will be exploring Quentin Blake's *Mrs Armitage* books. We will learn the stories using story maps and role play before going on to write our own versions.

A highlight of this term is 'meeting' Mrs Armitage and watching her put her bicycle together, as well as seeing what she can attach to her surfboard.

Music

- Listening to a range instruments, how they have evolved over time, and how they sound
- Hear each of these instruments in a range of classical music.

Computing

- E-safety - Using ipads safely
- Exploring information technology around us, how it helps us, how it works together and why we use ICT

English

- Story writing based on the stories of Mrs Armitage
- Sequencing the story of Mrs Armitage and the Big Wave
- Writing instructions for Mrs Armitage's surfboard
- Learn about the history of some famous explorers and writing questions we could ask them

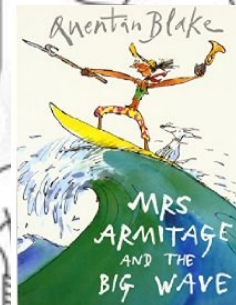
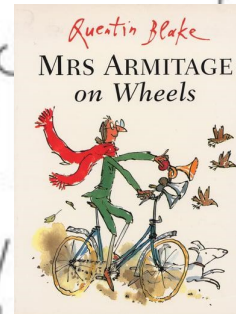
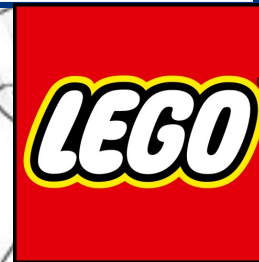
Science

Focus on practical scientific methods, processes and skills:

- Investigations to explore the properties of materials including wood, metal, plastic, glass, brick, rock, paper and cardboard
- Grouping materials and describing their properties
- Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching
- Plan an investigation and begin to understand the principal of a fair test
- Investigation linked to floating and sinking and boat design

Art and DT

- Experimenting with pencil pressure and shading for city landscapes
- Line drawing and shading of buildings in both Guildford and London



History

- Learning about the lives of a range of inventors and the significance of their inventions: the wheel—Stone Age; the first pedal-driven bike—Pierre Lallemand; roller skate—John Joseph Merlin; first caravel—Henry the Navigator; the first windscreen wipers—Mary Anderson; first powered aeroplane flight—the Wright brothers; the life raft—Maria Beasley; the treatment for leprosy—Alice Ball
- Order inventions chronologically and place them on a timeline