

English: In all teaching we will be using quality text based examples of grammatical features to help support the children's learning. Emphasis is given on presentation, vocabulary, spelling and grammar. We will be meeting the objectives of the national curriculum by looking at the following genres: Adventure stories, Short stories, Chronological reports, Poetry. Children will be supported by the No non-sense spelling programme and through guided reading.

Mathematics: Our mathematics curriculum is split into the following areas: Number sense, additive reasoning, multiplicative reasoning and geometric reasoning. Children will be focusing first on securing place value understanding. Children will use all four number operations, they will be expected to prove calculations and place their mathematics in a real life meaningful context, and children will use their geometric understanding to reason about shapes, especially polygons.

Physical Education: 'Dance, Gymnastics and Running' children will perform dances using a range of movement patterns and compare their performances with previous ones. Children will develop flexibility, strength, technique, control and balance through gymnastics. Children will evaluate their performance and try to beat their own personal bests.

Class 4: curriculum overview Spring Term 2018: Trains and Canals

Science: 'Light and Forces' children will recognise that light appears to travel in straight lines and use this idea to explore how objects are seen. Children will explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes as well as use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them. The children will work scientifically, for example by making a periscope. Children will need to explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object, identify the effects of air resistance, water resistance and friction, that act between moving surfaces and recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect. Children will work scientifically by looking at breaks, make barges as well as consider the contributions of Galileo Galilei and Isaac Newton made to our understanding of gravity.

Religious education: 'People of God' as children further consolidate their understanding of Christianity they will be studying The Old Testament

Geography and History: Children will be considering the significant turning point in history that the development of the railways and canals had on British history. Through this children will be able to name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time.

Design and technology: Children will be conducting design projects to make a periscope and a barge. Children will be selecting from a range of tools to complete practical tasks. They will be expected to evaluate their product as well as suggest improvements to their design.

Computing: children will continue to learn to use technology safely, respectfully and responsibly. They will also use sequence, selection, and repetition in programs; work with variables and various forms of input and output.

French: Children will be broadening their vocabulary and develop their ability to understand new words, via their topic, that are introduced into familiar written material, including through using a dictionary

Art and Design: children will be developing their skills using charcoal and chalk to create pattern and tone. The children will recreate illustrations from The Lady of Shallot.

Music: 'Folk' children will be listening to a range of folk, thinking about the history and tradition of folk, they will be constructing and improvising their own music.