



OUR DRIVERS: Spiritual, Moral, Diversity & Beliefs Communities & Environment Life Skills Personal, Social & Emotional Well Being



Buttercup Class – Summer 1



School Trip

Didcot Railway Centre – approx. £22 per child

English

Launch Text - Rosie Revere, Engineer – Andrea Beaty

To know how to sequence instructions and directions for an invention.

To know how to use commands, questions, exclamation sentences in adverts for our inventions.

To know how to write a narrative about our trip to Didcot Railway Centre

To know and use suffixes in both spellings and writing -er, -est, -ed and -y to words.

To know how to spell words with 'le' saying /l/.

To know to check that the text makes sense when reading aloud and correcting inaccurate reading.

To know how to make inferences on the basis of what is being said and done when reading texts and listening to text.

To know how to predict what might happen on the basis of what has been read so far.

Mathematics

Fractions

To know, recognise, find, name and write fractions: 1/3, 2/3, 1/2 and 2/4 of length, shape, set of objects of quantities.

To write simple fractions for 1/2 of 6=3 and recognise the equivalence of 2/4 and 1/2.

Time

To know and write the time to five minutes, including quarter past / to the hour and draw the hands on a clock face to show these time.

To know the number of minutes in an hour and hours in a day

Personal, Social and Health Education

Jigsaw Piece – Relationships

To know that everyone's family is different and that families function well when there is trust, respect, care, love and co-operation.

To know that there are lots of forms of physical contact within a family.

To know how to stay stop if someone is hurting them.

To know some reasons why friends have conflicts.

To know that friendships have ups and downs and can change with time.

Science

Uses of Everyday Materials

To know about and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.

To know how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Music

Charanga – Friendship Song

To know how to play and perform in solo and ensemble context, using their voices and playing musical instruments.

Computing

Unit 2.6 – Creating Pictures

To know how to name, save and find my own word using Purple Mash.

To know how to search, find and include photos, text and sounds into my creations.

Physical Education

Athletics

Know how to run, throw, catch and jump competently

To know how to look at ways of moving but begin to find a consistent method that produces the best results such as how will I throw, where will my arm be, how will I stand at the start of a race, etc

Ball Skills

To know how to pass a ball / object with accuracy.

To know how to move an object with control to a specific location / person.

History

The lives of significant individuals in Britain's past who have contributed to our nation's achievements

To know how people lived during Brunel's time (Victorians)
To know how to sequence key facts and events during Brunel's lifetime.

To know and recall key information about significant people and events from the past.

To know how people and goods were moved before the Railway

Religious Education

Can stories change people?

To know and retell the stories of Zacchaeus and Joseph and notice the changes in characters during the stories.

To know that Jesus told stories (parables) as a teaching tool and prophets told stories to induce change in people.

Art and Design

Architects study: Isambard Kingdom Brunel

Design Brief: to build a bridge to transport a train on

To know about, investigate and research bridges.

To know how to plan and design a bridge.

To know how to construct a bridge using a design criteria.

To know how to evaluate my bridge and the design.



Year 2 – Summer 2 Knowledge Organiser

Enquiry Question: Who was Isambard Kingdom Brunel and why was he famous?



Subject Specific Vocabulary

Engineer	Someone who uses scientific knowledge to design, construct and maintain engines, machines or structures
Industrial Revolution	A period of major change in the way things were made. Factories were first build and machinery was powered by steam
Box Tunnel	At nearly 2 miles long it was the longest railway tunnel when completed in 1841. On the Great Western main line between Bath and Chippenham
Suspension Bridge	A bridge that has a road way suspended from two or more cables, passing over towers and strongly anchored at each end.
Great Western Railway (GWR)	The first railway to connect London to the West of England and Wales. It changed the way peopled travelled and worked.
Viaduct	A viaduct is a bridge made of connected sections. Most viaducts are a series of arches. They may carry train tracks, bodies of waters such as canals or traffic across valleys, gorges or bodies of water
Victorian	The Victorians were the people who lived during the reign of Queen Victorian, from the 20 th June 1837 until her death on the 22 nd January 1901.

Key Knowledge

Isambard Kingdom Brunel
(1806-1859)

Early Life

- Born 9th April 1806 in Portsmouth, England.
- Son of engineer Sir Marc Isambard Brunel.
- Worked in France as an apprentice of famous watchmaker, Abraham-Louis Breguet.

Thames Tunnel

Brunel and his father worked on a ground-breaking tunnel 20 metres under the river Thames. It was 396 metres (1300 feet) long and used a new shield design to protect workers from the dangers of collapsing tunnels. The Thames Tunnel is now part of the London Underground.

Brunel's Bridges

Brunel designed and built many bridges throughout his career, including the Clifton Suspension Bridge. It was designed to use fewer materials than traditional construction methods and was completed in 1864.

Great Western Railway

Brunel was chief engineer for a network of bridges, tunnels and viaducts called the Great Western Railway that linked London to Bristol. It became one of his most famous projects thanks to constructions, such as the Box Hill Tunnel and Paddington Station.

Brunel's Boats

- SS Great Western - the first steamship to make regular crossings of the Atlantic Ocean.
- SS Great Britain - the first wrought iron steamship to cross the Atlantic Ocean.
- SS Great Eastern - his final project. He died ten days after the ship set sail on its unsuccessful maiden voyage.

Helpful Hospitals

During the Crimean War, the British Government asked Brunel to design a hospital that could be made, transported in sections and put together overseas. Within six days, he designed the Renkioi hospital which became a great success, described by Florence Nightingale as 'magnificent huts'.

Isambard Kingdom Brunel Timeline

