

Year 3: Term 3

Local History/Deptford

Science: 1st half: PLANTS

- Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.
- Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.
- Investigate the way in which water is transported within plants.
- Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

ICT Opportunities

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Science: 2nd half: NUTRITION and SKELETONS

- Identify that animals, including humans, need the right types and amount of nutrition and they cannot make their own food; they get nutrition from what they eat.
- Identify that humans and some other animals have skeletons and muscles for support, protection and movement.

ICT Opportunities

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History: LOCAL AREA

- To use OS maps to identify how Rotherhithe has changed over the last 200 years and give possible reasons why.
- To understand the importance of the Rotherhithe Tunnel.
- To learn about the life of Brunel (see TES - Brunel biography)
- To learn about some of Brunel's major inventions.
- To understand how the Rotherhithe tunnel eased the congestion of the River Thames.
- To understand how the tunnel was created.
- To know that both Marc and Isambard Brunel contributed to the design of the Rotherhithe tunnel.
- To understand what life was like building the tunnel.
- To learn about the different uses of the Rotherhithe Tunnel.
- To know the different ways which the railways impacted on Victorian life.

ICT Opportunities

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Geography: LOCAL FIELD STUDY

- To know the diff between human/physical features of a landscape.
- To use fieldwork to identify human features of Rotherhithe.
- To use fieldwork to identify physical features of Rotherhithe.
- To give reasons why human features have been developed
- To give reasons why human features are located where they
- To make sketch maps of the human and physical features
- Use an OS map to identify the physical features of Rotherhithe and use grid references.
- To survey and create a graph of different types of river transport (entertainment/military/police/rescue service/transport/pleasure)
- Use digital photography to make a simple plan.
- To use a ruler to the nearest cm to measure the distance between the river and major landmarks and identify which is closest.
- To discuss the term 'As the crow flies'

ICT Opportunities

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Art: OBSERVATIONAL DRAWING (drawing people - link into science 2nd half term)

- Make marks and lines with a wider range of drawing implements.
- Experiment with different grades of pencil and other implements to create lines and marks.
- Experiment with different grades of pencil and other implements to draw different forms and shapes.
- Begin to show an awareness of objects having a third dimension.
- Experiment with different grades of pencil and other implements to achieve variations in tone.
- Apply tone to drawing in a simple way.

ICT Opportunities

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D.T: CREATE A HEALTHY SANDWICH (LINK INTO WORK IN SCIENCE 2ND HALF TERM)

- Know there are a variety of sandwiches.
- Know that people have different preferences.
- Understand that food can be divided into different groups.
- Understand how different combinations of ingredients can affect the taste of sandwiches.
- Understand the importance of hygiene.
- To plan, make and evaluate a healthy sandwich.

ICT Opportunities

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Music:

- Play in ensemble contexts, using their voices and playing instruments with increasing accuracy.
- Improvise music for a range of purposes using the interrelated dimensions of music.
- Listen with attention to detail to sounds.
- Appreciate and understand a wide range of high-quality live and recorded music.
- Develop an understanding of the history of music.
- Develop an understanding of the history of music.

ICT Opportunities

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Computing:

- Know about and describe simple stored programs in everyday devices and systems
- Identify and explore sensors used in real world systems
- Use a data logger to measure and record environmental data as part of science or geography topics
- Plan and write a simple program to control a physical system (eg Lego) or robot
- Identify and de-bug errors in their own/others code

ICT Opportunities

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PE: Games and Gymnastics, Dance and Athletics

R.E - SEE AGREED SYLLABUS - CHRISTAINITY - unit 4, BUDDHISM - unit 1

Entitlement and Enrichment Brunel Museum, Woodlands (see Zoe), Greenwich foot tunnel, seaside trip as taken by the Victorians from Rotherhithe (end of year trip?), River Thames.