



Curriculum Map: How did the Northeastern Railway Company bring the Industrial Revolution to Newcastle?



Humanities

As Historians, the children will be investigating the question 'How did the Northeastern Railway Company bring the Industrial Revolution to Newcastle?'. We will explore how factories treated children and how philanthropists such as Joseph Rowntree changed working conditions forever.

Outdoor learning/allotment

Using our environment to explore how items can be preserved throughout time.

Music

As Musicians, this term's learning is centred around 'Melody and Harmony in Music'. We will be learning the songs 'Ghost Parade', 'Words Can Hurt' and 'Joyful, Joyful' thinking about the pulse, pitch, and tempo of the music.

MFL

In Spanish, the children will begin to explore wider vocabulary with a focus on 'The Date'. The children will learn days of the week and months of the year, able to use both in verbal and written form.

Science

The science topic this half term is 'Evolution and Inheritance'. The children will be exploring how offspring inherit characteristics from their parents through DNA and how plants and animals have adapted to suit their environment.

PSHE

Our PSHE theme this half term is 'Feelings and Emotions'. We will identify feelings and emotions, helping us to deal with and process them as they arise. We will understand the importance of expressing our feelings and communicating them appropriately.

British Values

As a class we will be revisiting our British Values and understanding 'Individual Liberty'. We will be exploring how we have our own rights and can make our own choices while still respecting others.

Homework

- Reading – Children will always have a reading book to read at home with an adult.
- Spellings & timestables – weekly to practice via Tapestry.

RE

During this half term, we are going to explore Christianity, exploring how God is viewed by Christians as holy and loving. We will be exploring biblical evidence which supports this view of God and how God would like us to live in his image.

Computing

As Computers we will be exploring 'Creating Media – Web Page Creation'. The children will create their own web pages, adding key elements to make the webpage easy to use and navigate. We will evaluate our webpages using different devices and improve them accordingly.

Art and Design

As artists, the children will explore the key question 'What would animals look like in human form?'. The children will be drawing using different media to achieve different variations of line, texture, tone, colour, shape and pattern.

PE

In Basketball and Netball, the children will learn to send and receive accurately with control and speed. The children will also be Swimming, practicing differing strokes and enhancing their skills.



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Basic skills in English

- To use similes accurately and explain their meaning.
- To use prefixes and suffixes accurately and explain how they modify words.
- To assess their own and others writing and offer improvements to work.
- To spell words with silent letters.

Basic skills in Maths

- To recognise and understand the place value of numbers to 100,000.
- To use column addition/subtraction confidently with numbers greater than 4-digits.
- To understand key terminology relating to multiplication and division including prime, factor, squared and cubed.
- To find equivalent fractions, seeing relationships between equivalent fractions.

English:

Narrative Short Story -

- To choose the writing implement that is best suited for a task.
- To create and punctuate sentences using simile starters e.g. Like a fish out of water
- To use verb prefixes (for example, dis-, de-, mis-, over- and re-)
- To spell words with the endings -ible/ - able

Letter of Application -

- To choose which shape of a letter to use when given choices and decide whether or not to join specific letters e.g. printing for labelling a scientific diagram or data
- To identify the purpose of the writing, selecting the appropriate form and using other similar writing as models for their own.
- To assess the effectiveness of their own and others' writing
- To spell some words with 'silent' letters [for example, knight, psalm, solemn]

Reading Skills -

- To read some of the Y5/6 words from the statutory spelling list.
- To apply a growing knowledge of root words, prefixes and suffixes (etymology and morphology) both to read aloud and to understand the meaning of new words. e.g. inter-, -ture -ir-
- To apply a growing knowledge of root words, prefixes and suffixes (etymology and morphology) both to read aloud and to understand the meaning of new words. (over-, -ible, -able)
- To maintain positive attitudes to reading and an understanding of what they read.
- To check that the book makes sense to them, discussing their understanding and exploring the meaning of words in context (through discussion, use of reading journals)
- To make predictions based on details stated and implied, justifying them in detail with evidence from the text both verbally and in written form
- To ask questions to improve their understanding.
- To participate in discussions about books that are read to them and those they can read for themselves, building on their own and others' ideas and challenging views courteously.

Maths:

Place Value -

- Numbers to 100,000.
- Partitioning
- Compare and order numbers to 100,000.
- Count in steps of powers of 10.
- Round numbers up to 100,000 to the nearest 10,000.

Addition and Subtraction -

- Mental calculation strategies.
- Add/subtract whole numbers with more than 4-digits (column).
- Solve multi-step problems.

Multiplication/Division -

- Identify multiples and common factors.
- Prime numbers up to 100.
- Solve multiplication & division problems using multiples and factors.
- Multiply and divide by 10, 100 & 1000.
- Square numbers and cubed numbers.
- Solve multiplication & division problems using square numbers and cubed numbers.

Fractions -

- Fractions of quantities.
- Linear number sequences – fractions.
- Compare and order fractions.
- Equivalent fractions.

Geometry (position and direction) -

- Estimate & compare acute, obtuse, reflex angles.
- Draw and measure angles in degrees.