

History

1. What were the main changes that took place during the Industrial Revolution?
2. Why is it so difficult to find out what factory conditions were really like?
3. What were the main changes in transport and did everyone benefit?
4. How did the Industrial Revolution change Manchester?
5. How did town life compare to life in the countryside at this time?



Design Technology

- Children will learn about how simple bridges are constructed using beams, pillars or piers, then make and test beam bridge designs.
- How trusses are used in bridge design to spread out compression forces.
- how arches are used to spread and redirect compression forces acting on bridges. They will then build and test model arch bridges.
- Children will learn about how suspension bridges use tension to support bridge decks spanning large distances.

INDUSTRIAL REVOLUTION

Autumn - Year 6

Geography

North -West England

Manchester: How a city changed!

We will explore how Manchester developed into a major industrial city, using maps, photographs and data to investigate its location, population growth, transport links, land use and urbanisation. We will compare historical and modern Manchester to understand how industry, canals, railways and migration transformed the city, and consider both the positive and negative impacts of industrialisation.

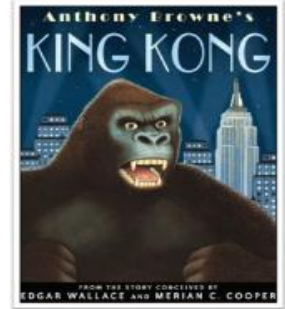
Maths

- We will start by revising and building on our place value knowledge, including rounding and working with large numbers up to 10,000,000 as well as decimals and their value.
- We will revisit the important concept of multiplying and dividing by 10, 100 and 1000 and will use these skills in our written and mental methods.
- We will use a variety of efficient written methods for addition, subtraction, multiplication and division.
- We will apply these methods to solve a variety of real life problems. We will be developing our reasoning skills through discussion using increasingly complex mathematical vocabulary.

Class Novel



English Text



Spoken language:

- Articulate and justify answers
- Maintain attention and participate actively in collaborative conversations
- Use spoken language: speculating, hypothesising, imagining and exploring ideas

Reading comprehension:

- Draw inferences (characters' feelings, thoughts and motives); justify with evidence
- Predict from details stated and implied
- Summarise main ideas, identifying key details
- Evaluate authors' language choice

Writing Composition:

- Identify the audience for and purpose of writing
- Note and develop initial ideas, drawing on reading
- Describe settings, characters and atmosphere
- Integrate dialogue to convey character and advance the action

Writing outcome:

To write an action-packed story ending.

Science

Lesson Sequence



1. Classify living things



2. Understand the Kingdoms of Life



3. Classify living things using the Linnaean system



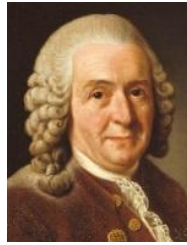
4. Identify the characteristics of different types of microorganisms



5. Investigate asexual reproduction through spore dispersal



6. Classify and describe a living organism



Carl Linnaeus



Wangari Maathai



Children's Rights



Religion and Worldviews

What can we learn from Humanism?

- Define Humanism and explain what Humanists believe about human origins, values, purpose, and destiny.
- Discuss the importance that Humanists place on the visual arts, music, cinema, comedy, architecture, and other aspects of human culture.
- Explain how Humanists embrace the 'Golden Rule' and understand how this perspective is shared with people who have a religious faith.
- Identify key figures in the history of Humanism and explain their contributions to Humanist thought.

Spanish

My Town

Computing

Online Safety
Computing systems and networks
Communication and collaboration



PSHE

My healthy self: How do my choices today shape my future health?

- Describe how brushing, flossing and limiting sugar over time can protect teeth.
- Interpret traffic light food labels and select healthier swaps for a balanced diet
- Explain how past experiences can influence strong and complex feelings.
- Choose helpful ways to regulate strong feelings.
- Explain the difference between a growth mindset and a fixed mindset.
- Suggest positive ways to respond to challenges and setbacks.
- Explain how unkind behaviour, including bullying, can affect self-esteem and how to support others.

Art and Design

Drawing: Cities and Skylines Stephen Wiltshire



Music

Instruments – Love Music Trust

Trip Quarry Bank Mill

21st
October 2026

P.E.

Invasion Games: football, basketball.