

(Inspire awe and wonder
Use stimuli to motivate and inspire- visits, visitors, artefacts, books, videos, outside learning, our locality etc.

Problem solving and thinking skills
Creative thinkers; independent learners; real-life challenge; controlled risk taking; resourcefulness; enterprise; collaboration; thinking skills, Learning Pit

Creative Arts
Dance, drama, music, art- developing the creative brain; inspiration, enjoyment and fulfilment; enhance and develop skills & talents; performance

Nurturing Responsible Citizens
Collaborative learning; care for the environment; share talents; make decisions; links in and around Leyburn, other communities and the environment

As readers, we will...

- Explore the key features of non-fiction texts, particularly about the Victorians (their structure and layout)
- Start using evidence from the text to explain our answers
- Summarise key points from a text in order to share our learning with each other
- Start exploring why authors may choose to use particular words and what effect they may have

As authors, we will...

- Recognise and use different types of sentences to make our work more interesting
- Expand our vocabulary by using our 'magpie' books to record our favourite words/phrases and use these in our work
- Apply our spellings in our work
- Begin to understand the difference between formal and informal writing and write in these different styles

- Write poems in the style of Stephenson

As performers, we will...

- Hot seat characters from a text and use conscience alley to argue for or against an idea
- Learn and recite poems

Key texts:

- Street Child
- Robert Louis Stephenson's poems

As artists and designers, we will...

- Study the work of L.S. Lowry and create our own artwork in his style
- Design and make vehicles
- Make a flower press

Year 6 Topic Planner

Autumn 1

**The Industrial Revolution: What price progress?
7 weeks**

Subject driver: History and Science

As scientists, we will...

- Explore how light travels in relation to how we see things and how shadows are formed
- Investigate, compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches (in relation to the number and voltage of cells used in circuits)
- Use recognised symbols when representing a simple circuit in a diagram

KEY OUTCOMES:

- 1) A description of a Victorian setting
- 2) Artwork based on the work of L.S. Lowry
- 3) Circuit investigations and explanations

KEY QUESTIONS:

- 1) What was the effect of the Industrial Revolution?
- 2) What would life have been like during the Victorian period?

VISITS / VISITORS:

- Beamish

As mathematicians, we will...

Number: Place Value

- Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit.
- Round any whole number to a required degree of accuracy.
- Use negative numbers in context, and calculate intervals across zero.
- Solve number and practical problems that involve all of the above.

Number- addition subtraction, multiplication + division

- Solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why.
- Multiply multi-digit number up to 4 digits by a 2-digit number using the formal written method of long multiplication.
- Divide numbers up to 4 digits by a 2-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding as appropriate for the context.
- Divide numbers up to 4 digits by a 2-digit number using the formal written method of short division, interpreting remainders according to the context.
- Perform mental calculations, including with mixed operations and large numbers.
- Identify common factors, common multiples and prime numbers.
- Use their knowledge of the order of operations to carry out calculations involving the four operations.
- Solve problems involving addition, subtraction, multiplication and division.
- Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy

As computer technicians, we will...

- Use Excel to read and make different types of spreadsheets
- Use appropriate vocabulary to explain how to create and read a spreadsheet (e.a. cell, table)

As linguists, we will...

- Learn the names of parts of the body
- Use our understanding of word order to read a text and take part in more complex conversations

As athletes, we will...

- Improve our dribbling, passing and catching in football and tag rugby
- Develop our tactics and decision-making

As historians, we will...

- Study the significant turning point of the Industrial Revolution and how different inventions have affected the way we live today
- Explore life as a Victorian street child

As geographers, we will...

- Use 4- and 6-figure grid references on OS maps to locate the location of different railways in the UK
- Explore how the railways impacted the land use, economic activity and distribution of resources in our local area (and vice versa)

As musicians we will...

- Learn a famous Rock song to perform as a choir
- Improvise and compose music by reading and recording simple musical notation

As theologians, we will...

- Explore the religions in our neighbourhood such as the beliefs of a Jehovah's Witness

As Rights Respecting citizens, we will explore...

- Article 26: You have the right to help from the government if you are poor or in need