

Industrial Age

Industrial Revolution

LKS2

Rationale for theme: This theme is all about exploring the Industrial Revolution and how it changed the world and how we live today. This involves a local study where the development of the Derwent Valley is explored and how this affected the local people and landscape. Digital maps from different eras are used to explore this. Through reading the book ‘Street Child’ the children are able to appreciate the poverty experienced in this era and plan a fundraiser for the charity Barnardo’s.



Living as Children of Light:
Our ‘Shine’ Curriculum

History	Science	Literacy
- Give children the chance to ask their own questions about the topic and what they know already. - Explore Mill Owners and Mill workers and investigate different accounts. Be able to explain some of the reasons why the accounts may be different - Begin to undertake their own research. - Sequence several events, artefacts or historical figures on a timeline. - Note key changes over a period of time and be able to give reasons for those changes - Comparison of life of children who worked in the mills compared to children today. - How have the mills affected the area we live in. Inventions from the era	- Explore pushing and pulling forces and have a go at some and create freeze frames of them. - Investigate friction by adding different materials to the surface of a ramp and see which causes most friction when a toy car travels down it. - Discuss what magnets are and explain what a magnetic field is. - Children to sort magnetic objects from non-magnetic objects. - Investigate the strength of magnets by planning an experiment to see how many paper clips can hang from a variety of magnets. - Look at how magnets attract and repel and then create a compass using a magnet. - Use the compass to complete a treasure hunt. - Design and make a magnetic game.	Street Child – Berlie Doherty Descriptions of Victorian London Character profiles Dialogue between characters First person narrative about life in the workhouse. Balanced arguments – should Jim stay in the workhouse or escape? Letter writing to Sir Richard Arkwright following trip to Cromford Mill Newspaper report writing about Jim’s escape. Biography writing of Dr Barnado
Geography		Art / DT
- Locate counties and cities of UK, geographical regions and human and physical characteristics – where did the industrial revolution take place? What did this mean for these places? - Research why people moved from the countryside to live in towns and what pros and cons there were to moving. - Understand how wealth is created by Economic Activity and Trade Links. The impact the Slave Trade had on our local area. - Create maps of the Derwent Valley using digital technologies		- Study Joseph Wright of Derby. Create chiaroscuro effects. - Choose favourite objects from home to sketch in the style of Joseph Wright of Derby. - Explore William Morris and design a wallpaper pattern in his style. Design printing blocks based on sketches from nature. - Study the work of LS Lowry. Use sketch books to explore depicting ‘Matchstick Men.’ Use different tools to paint with. - Create a mixed media painting which

Maths	Music	Computing
Place Value Addition and Subtraction Multiplication and Division Area	Wider Opps: violin Composing using the C Major scale	Hour of Code Fake or Real?

R.E	PSHE	MFL	P.E
‘A slave free world’ (modern slavery) What difference does it make to believe in ahmisa (harmlessness), grace and/ or Ummah (community)	Growing up Relationships	French	Hockey Swimming Tag rugby Dance Gymnastics

Values
Service and Wisdom

Key Events:
Spelling Bee
Sporting Events
Visit to Cromford Mill
Nativity Support
Christmas Fair
Barnardo’s fundraiser

Industrial Age

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UKS2

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History	Science	Literacy
• Show an awareness of the concept of propaganda. Look at the adverts for workers in the mills and explore. • Use a range of evidence to offer some clear reasons for different interpretations of events - look at written evidence and compare differing views e.g. mill workers • Begin to evaluate the usefulness of different sources • Use a wide range of different evidence to collect evidence about the past • Investigate their own lines of enquiry - children to think of questions they would like answering at the start of the topic and see if they can answer them at the end. • Research, discuss and carry out work related the vast changes during the industrial revelation. Make comparisons with this era and today.	• Explore and research the major discoveries in electricity. • Draw simple circuits. Explain the effects of different volts in a circuit. • Create circuits and explore the brightness of a bulb or volume of a buzzer with the number and voltage of cells used in a circuit. • Plan a series of investigations to answer questions • Record and present findings including conclusions and degree of trust in results. • Research Isaac Newton and his theory of gravity and the difference between weight and mass. • Measure the weight of objects using newton meters. Explore and identify the effects of air resistance. • Design parachutes and experiment to see which one is best to slow an object down. Identify the effects of water resistance by creating and racing streamlined boats. • Explore and research friction then try out different materials as brake pads to see which slows the scooter wheel the quickest. • Use levers, pulleys or gears.	Street Child – Berlie Doherty Description of the workhouse and recount of events in the workhouse. Balanced argument – should Jim escape or not? Newspaper report A Christmas Carol – Charles Dickens Character work based on Scrooge Narrative in the style of Dickens Performance and choral poetry Explore the poem ‘The Kraken’ and language used. Write a sea creature poem.
Geography		Art / DT
• Locate counties and cities of UK, geographical regions and human and physical characteristics – why was the Derwent Valley chosen to be the start of the industrial revolution? What was the implication of the industrial revolution on the way people lived? Understand how wealth is created by Economic Activity and Trade Links. Understand that the slave trade played a key part in the industrial revolution. Know our key trade links today. Consider how modern slavery exists. • Create plans and graphs of the Derwent Valley using digital technologies		• Study Joseph Wright of Derby. Create chiaroscuro effects. • Choose favourite objects from home to sketch in the style of Joseph Wright of Derby. • Explore William Morris and design a wallpaper pattern in his style. Design printing blocks based on sketches from nature. • Study the work of LS Lowry. Use sketch books to explore depicting ‘Matchstick Men.’ Use different tools to paint with. • Create a mixed media painting which reflects his style and incorporates a vanishing point.

Maths	Music	Computing
• Place Value • Addition, subtraction, multiplication and division • Fractions	Wider Opps: violin Composing using the C Major scale	Chicken Run – Crossy Roads Making AR Games

R.E	PSHE	MFL	P.E
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