

Willow Tree Academy - Year 3- This City is Ours

Key Knowledge

Benjamin Huntsman invented crucible steel in 1742.

1. Steel is a type of a material and is used for many things.
2. Stainless Steel was invented in our local area by Harry Brearley.
3. Many people lost their jobs in the steel factories.
4. The Bessemer Converter is one of only three converters left in the world.



Key People

Benjamin Huntsman: was an English inventor and manufacturer of cast or crucible steel.

Harry Brierley: English metallurgist, credited with the invention of stainless steel

Henry Bessemer: was an English inventor, whose steel-making process would become the most important technique for making steel in the nineteenth century for almost one hundred years.



1837-1901



1913



1939-1945



1990



2009



2019

Key Vocabulary

Crucible pot- a ceramic or metal container in which metals or other substances may be melted or subjected to very high temperatures
Industrial- manufacturing or mining in factories

Manufacture- a company that makes things for sale

Stainless steel- a form of steel containing chromium, resistant to tarnishing and rust.

Working class- the social group of people who are employed for wages, especially in manual or industrial work.

Furnace- used to heat up pieces of steel to turn them into molton

Other Key Information

1742: Benjamin Huntsman invented crucible steel

1743: Thomas Boulsover, working in Sheffield, invented "Sheffield plate".

1856: Henry Bessemer invents the Bessemer converter

1873: The first trams ran in Sheffield.

1913: Stainless steel was invented by Harry Brearley

1973: Many steelworks closed due to the oil crisis

1990: The Meadowhall shopping centre opened.

Literacy

Non chronological report- Men in steel
Diary entry
Newspaper report
Explanation text

Maths

-Place value (Whiterose maths)
Addition and subtraction (Whiterose Maths)

Computing

E-Safety, Digital Literacy, Comic Life, Purple Mash

Music

Ukuleles delivered by Rotherham Music company.

PE

- Outdoor team sports
- Dance

Art & Design

Pete McKee - Artist study
Impressionism
Observational drawings - working on pencil techniques and shading to create shadow (steel objects e.g. forks)
Graffiti

DT/STEM

Constructing moving robots - pneumatics/ hydraulics etc.:
Technology - Designing a modern invention/ robot
Engineering - Planning and creating our own interactive steel man
Maths - measures - scaling up designs using times tables

Immersive Reading Text

Meet me by the Steelmen - Theresa Tomlinson



PSHCE:

What makes a good friend? Making and maintaining friendships. Knowing choices have consequences. How to show respect?
Role play/ problem solving -Ring of choice
Healthy lunchboxes. Understand a balanced diet (links to Science SoW)Food groups.

P4C

Technology - how has play changed through time
Consider role of technology today
Photography and Film

History:

History of sheffield/ steel/ Meadowhall
History and Geography on alternate plan

Geography

Strand 1: Locational Knowledge

Name and locate countries, cities and main geographical regions of the **UK** (link to Romans)
Describe the key human & physical features locations e.g. topography, land use patterns
Understand how land use changes over time

Science

Forces and magnets

Notice that some forces need contact between two objects, but magnetic forces can act at a distance
Observe how magnets attract or repel each other and attract some materials and not others
Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials
Describe magnets as having two poles
Predict whether two magnets will attract or repel each other, depending on which poles are facing

Animals (including humans)

-Identify that animals, including humans, need the right types and amount of nutrition, and that 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

MFL (french)

Introducing ourselves, Days of the week, Months of the year

RE

Christianity

What makes Jesus inspirational for some people?
What matters most to Christians and what matters most to me?
What do we know about Jesus