LEIGHSWOOD SCHOOL

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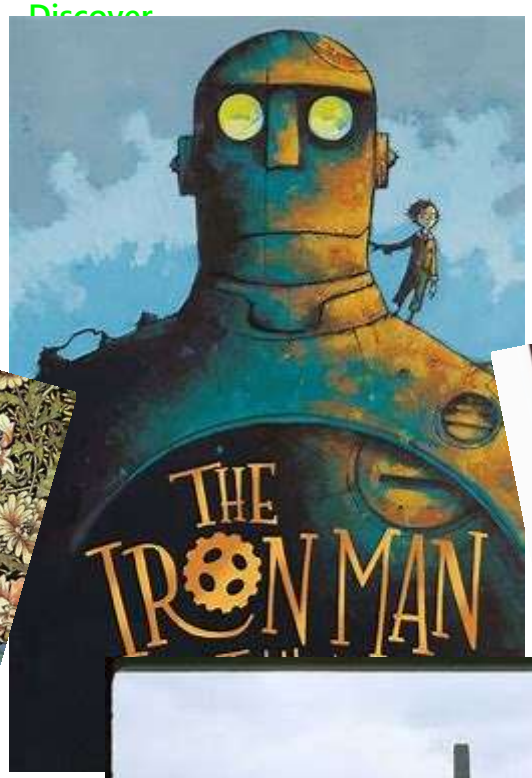

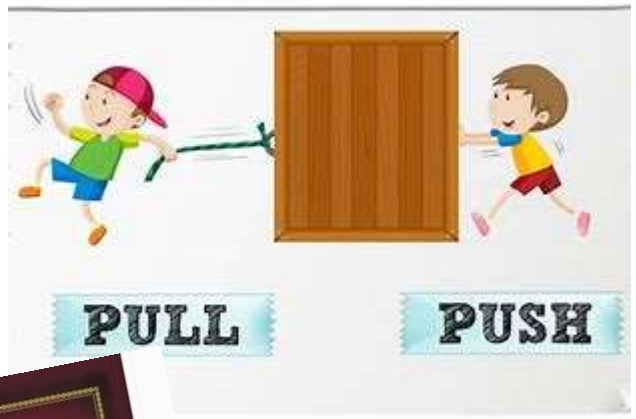

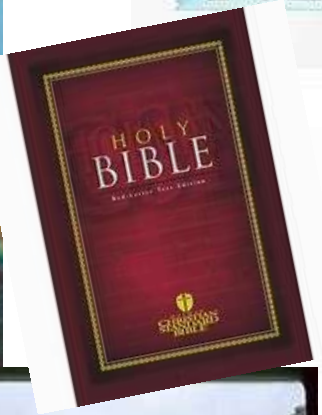

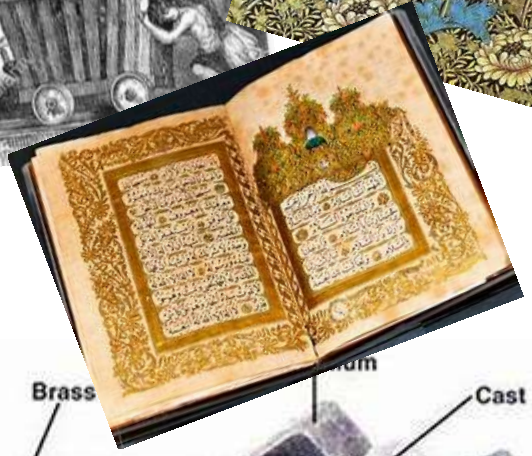

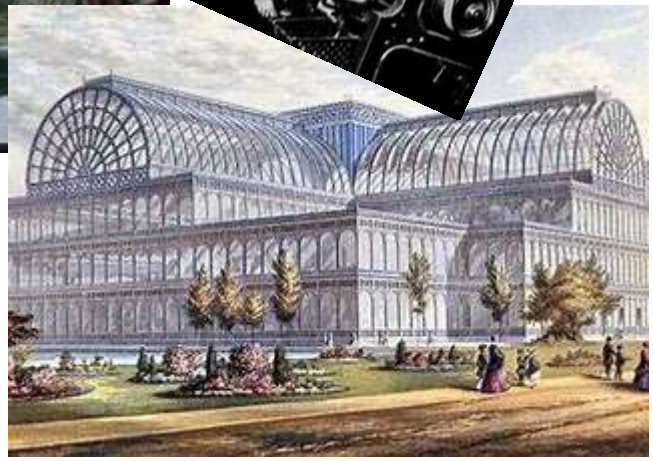

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Mighty Metallurgists

Y3 Autumn

ENGLISH

We are story tellers:
Retell the story of Iron Man
Using expanded noun phrases, time adverbials, adverbs of manner, prepositions and conjunctions.
We are programmers:
Instructional writing on how to trap the Iron Man
We are poets:
Read, create and perform poetry inspired by published poets
We are futuristic reporters:
Research and present information about AI and robotics

RE

We are investigators:
To understand the importance of Holy books to the different religions and the respect each religion should be shown

SCIENCE

We are scientists:
Can I explain how things move on different surfaces and what friction is
Can I notice that some forces need contact between 2 objects, but magnetic forces can act at a distance
Can I observe how magnets attract or repel each other and attract some materials and not others
Can I 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
Can I describe magnets as having 2 poles
Can I predict whether 2 magnets will attract or repel each other, depending on which poles are facing

MATHS

We are numerate:
To use place value to recognise, read, order, compare, add and subtract up to 3 digit numbers
To multiply and divide using resources and without resources
To know our 2x 5x 10x and 3x tables with instant recall
To be able to round numbers to nearest 10 and 100
To recognise fractions, naming the numerator and denominator

PSHE

We are team workers:
To recognise the skills needed to work was a team member including consideration, dealing with change and emotions, positive ways to handle differences and resolutions

PE

We are team players:
Mutli-skills focusing on co-operative elements of sports, working in a team like the mechanics of a robot, recognising we are all links in a chain.

COMPUTING

We are digital artists:
To be confident in the basics of using a windows computer
To create an image of the Iron Man out of shapes.

ORACY

We are orators:
To explain our opinions on children working in the Victorian era and how this links to the Rights of the Child.

HISTORY

We are archaeologists:
Understand how the past is researched from a range of resources
To understand how the past represented in different ways
We are historians:
To understand the impact industry, metal and factories had on the lives of Victorians.
To find out about the lives of every day people, especially children, in the Industrial Revolution and on the way their lives changed

GEOGRAPHY

We are cartographers:
Analyse maps, atlases and globes, including digital mapping to locate cities that became established during the Industrial Revolution..
We are planners:
To recognise the reasons for the building of canals and railways and the routes they took.
To describe the human and physical features of geography in the areas

MFL

We are linguists:
Words to do with getting to know you – age, name, descriptions of ourselves

MUSIC

We are musicians:
Learning to play the recorders
Singing “let your spirit fly”

Design and Technology

We are designers:
To research, plan, make and evaluate a companion for Iron Man.

ART and DESIGN

We are artists:
To use sketchbook to record observations of art work by William Morris, looking at line and tone.

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Recommended Reads

Adults

The Most Powerful Idea in the World: A Story of Steam, Industry, and Invention by William Rosen
Liberty's Dawn: A People's History of the Industrial Revolution by Emma Griffin
The Dawn of Innovation: the First American Industrial Revolution by Charles R. Morris
V&A introduces - William Morris
Great Victorian Inventions – Caroline Rochford

Children

The Iron Man – Ted Hughes
Robots – Melissa Stewart
Forces and Magnets – Peter Riley
See inside – Inventions – Alex Frith
Metal (materials) – Harriet Brundle
What makes a magnet – Franklyn Branley
Robots (Fact Atlas) Rick Allen Leider
100 inventions that made history - DK

Key Words

Alloy – a metal that is created by combining two metals
Arts and Crafts Movement – a Victorian movement that tried to stop the build up of factories and the use of skills in houses
Attract – to pull or bring things together
Engineer – a person who designs and builds engines
Force – a push or pull that can make an object speed up, slow down or change direction
Friction – a force that is created when two surfaces rub against each other. It makes things slow down and warms them up.
Human features of geography – people, places and aspects of geography made by humans.
Industrial Revolution - the rapid development of industry that occurred in Britain in the late 18th and 19th centuries, brought about by the introduction of machinery
Magnetic – acting as a magnet, attracting iron and steel objects.
Magnetism – being able to attract iron and steel objects.
Metal – a solid material that conducts heat and electricity and that is usually hard, strong and shiny.
Motion – the action of moving or being moved
Physical features of geography – places on the earth that have been made by nature
Pull – a force that moves something towards a person, animal or object.
Push – a force that moves something away from a person, animal or object.
Repel – a force acting between two objects, pushing them apart.

W I L D

FOREST

Understanding the rules for Forest Area
Making dens to hide from the Iron Man
Using natural resources to make the outline of the Iron Man and Iron Angel

Rights of the Child:

Article 19 You have the right to be protected from being hurt and mistreated, in body or mind
Article 32 You have the right to protection from work that harms you, and is bad for your health and education. If you work, you have the right to be safe and paid fairly

Useful Links

www.bbc.co.uk/bitesize/topics/zyttyrd - magnets
www.bbc.co.uk/bitesize/guides/zttfyrd/revision/1 - forces
www.bbc.co.uk/bitesize/topics/zcjxhyc - Victorians
www.bbc.co.uk/bitesize/guides/zbn6pbk/revision/5 - William Morris
www.bbc.co.uk/bitesize/topics/zxwxvcw/articles/zntn6v4 - Industrial Revolution
kids.britannica.com/kids/article/Industrial-Revolution/353290 – Industrial Revolution
kids.britannica.com/kids/article/George-Stephenson/602811 – George Stephenson