

Science



Properties and Changes of Materials

- compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets
- know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic
- demonstrate that dissolving, mixing and changes of state are reversible changes
- explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda

RSHE

We are special people made in the image and likeness of God

We are children of God with an innate dignity

God has created us for a purpose (vocation)

Life is precious and their body is God's gift to them

Prayer and worship are ways of nourishing their relationship with God

Strategies to develop self-confidence and self-esteem

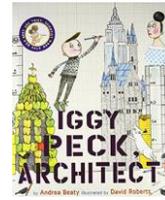
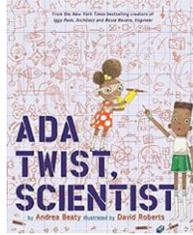
Each person has a purpose in the world That similarities and differences between people arise from several different factors (See protected characteristics of the Equality Act 2010, Part 2, Chapter 1, sections 4-12)

English (genres)

- Poetry (Bio-poems)
- Information text

Could you change the world?

Ada the Scientist



Iggy Peck the Architect

Art – Buildings old and new in Manchester.
Use of sketch books, photos to create collage.
Skylines – across the world/Manchester
Life of LS Lowry – sketching – shape/line

DT - structures



Computing

Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts (Scratch – Game Design)

Hooks

Trip to Newman – Science Labs

Trip to Manchester looking at buildings/skyline, photos, sketch books.

Photograph of Manchester Skyline and Lowry's paintings

Music

Charanga unit | Reading music

'Matchstalk cats and dogs' Brian and Michael

PE - Dance Haka (how we look when moving)
Pouring and mixing Potions and Mixtures – scientific reactions

Geography

Locate major cities and counties in UK

Locate Manchester, trip to Manchester City Centre.

Locate human features on a map.

Understand key aspects of human geography including economic activity.

Identify key features on an OS map. Use a 6 figure grid reference.

Maths

(White Rose)

Place Value

Addition and Subtraction

Statistics



History

A local history study-

I can say how Manchester began to grow as an important city because of the development of the cotton mills in the 18th century.

I can say why Manchester was so successful as an industrial city.

I can say what life was like for the mill workers of Oldham and Manchester. I can say how the mill workers fought for equality.

I can identify changes across Britain after Queen Victoria became Queen in 1837. I can describe how life changed for children during the Victorian era.



Geography

I can locate a street on an OS map.

I can use a 6 grid reference

I can locate human features on a OS map.

I can say how a place has changed over time.

I can take digital photos and annotate.

I understand the need for good transport links.

RSHE

How to make informed choices that have an impact on their health

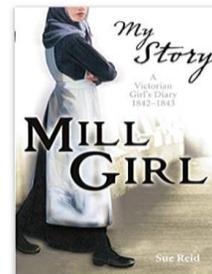
That bacteria and viruses can affect health and that following simple routines and medical interventions can reduce their spread.

English (genres)

Balanced argument – should the mill workers strike?
Persuasive letter

What's special about our Locality?

Mill Girl by Sue Reid



Hooks

Trip to Quarry Bank Mill at Styal

PE - Invasion games

Art



Sketches of mills based on historical photographs and real life. Using a variety of media.

Creating old pictures using charcoal

Computing

Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts (Scratch – Game Design)

Maths

(White Rose)

Number: Fractions (multiply proper fractions; link fractions to decimals; solve problems)

Number: Decimals and percentages

Music

Charanga Livin' on a prayer



History

I know that the Anglo-Saxons were made up of three tribes: The Angles; Saxons and Jutes.

I know that the name 'Angles' eventually became 'English' and their land, 'Angle-land' became 'England'

I know that the Anglo-Saxons are responsible for lots of UK's place names (Use of word 'Ham' meaning village or 'Hamm' meaning a bend in a river). For example – Birmingham, Southampton, Oldham.

I know how we know about the Anglo-Saxons.

I know that the Anglo-Saxons were originally Pagans, but were converted to Christianity by the people of England.

I know that the Anglo-Saxons built churches.

I know that the Anglo-Saxons had Kings.

Geography

Locate the kingdoms of the Anglo-Saxons
Locate Germany, Norway and the Netherlands.

Revisit the use of the 8 point compass and 6 figure grid reference.

RSHE

What positively and negatively affects their physical, mental and emotional health (including the media)

To recognise how images in the media do not always reflect reality and can affect how people feel about themselves

English (genres)

Story writing – battle scenes
Diary of and Anglo Saxon Villager

Who were the Anglo-Saxons?

Anglo Saxon
Boy by Tony Bradman



DT

- Clay buckles and brooches decorated with precious stones
- Create Anglo Saxon Village

Computing

Google Classroom

Maths

(White Rose)

Multiplication and Division
Fractions

Hooks

Anglo Saxon visitor
Artefact Theatre

PE

Striking and fielding

Music

Charanga unit 3
The Fresh Prince of Bell Air

Science

Describe the changes as humans develop to old age

Geography

Locate countries in Africa and major cities.
Locate Johannesburg, identify human and physical features.



Understand key aspects of physical geography including climate zones.
Understand key aspects of human geography including economic activity.

History

Continue to develop a chronologically secure knowledge and understanding of world history, establishing clear narratives within and across the era of Apartheid.

Devise historically valid questions about change, cause, similarity and difference and significance.

RSHE

Their body will change and develop as they grow

About the growth and development of humans and the changes experienced during puberty

The names of the main parts of the body, including identifying and correctly naming genitalia (e.g. penis and vagina)

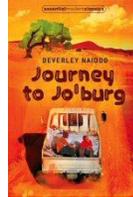
Prophetic in their ability to identify injustice and speak out against it locally, nationally and globally

English (genres)

Journey to Jo'burg – Beverley Naidoo
Information Leaflet – What is Apartheid?
Biography Nelson Mandela

How did Nelson Mandela change a nation?

Journey to Jo'burg



Hooks

Parent speaker
Tasting traditional African food
African Drummers

PE - Rugby

Art/DT

African fabric designs
Weaving using plastic bags/
Recycling
Printing
Food Tech – African food

Computing

Website design

Maths

(White Rose)

Decimals

Properties of Shapes
Position and Direction

Music

African music



Science

Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.

Describe the movement of the Moon relative to the Earth.

Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

Describe the Sun, Earth and Moon as approximately spherical bodies



Geography



Locate the world's countries, using maps to focus on countries with links to space travel

History- Develop a chronologically secure knowledge and understanding of world history.

- Understand how our knowledge of the past is constructed from a range of sources.

RSHE

Respectful of their own bodies, character and giftedness

Appreciative for blessings

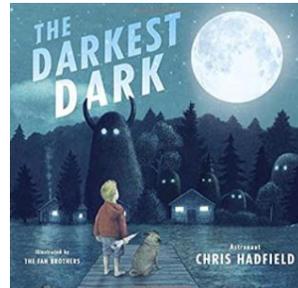
Grateful to others and to God

English (genres)

Adventure Story

What is out there?

The Darkest Dark by Chris Hadfield



Hooks

Planetarium
Jodrell Bank

PE - Gymnastics (Movement linked with how we move in space)

Art

Abstract paintings of space craft-P.Thorpe



DT

3D planets

Computing

Web Design
Space and Planets

Maths

(White Rose)

Multiplication and Division
Perimeter and Area

Music –

Charanga unit 2
Singing and performing

Science



Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.

Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object

The Great Kapok Tree

Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.

Describe the life process of reproduction in some plants and animals.

Geography

Locate North and South America and major cities. Know the Tropic of Cancer and Capricorn, climate zones, northern and southern hemisphere.

Describe key physical and human characteristics.

Describe the importance of the Rainforests.

Geographical enquiry –

How can we reduce paper wastage?



Music

Charanga

Reflect, rewind, replay

English (genres)

Newspaper reports – Phillipe Petit
Story writing
Non chronological reports

Can you feel the Force?



The Man Who Walked Between The Towers

(North America)



The Great Kapok Tree (South America – intro
for Yr 6 work on the Mayans)

Hooks –

Tight rope walking in school

PE - Athletics
Summer sports

DT

Create moving pictures –
using sliding mechanism,
pulley or gear system etc

Computing

Online Safety

Maths (White Rose)

Geometry: Position and direction.

Measurement: Converting Units

Measurements: Volume

RSHE

Self -Giving. Able to put aside their own wants in order to serve

SAFETY WEEK:

To recognise their increasing independence brings increased responsibility to keep themselves and others safe

How to use technology safely

That not all images, language and behaviour are appropriate

To judge what kind of physical contact is acceptable or unacceptable and how to respond

Importance of seeking and giving permission in relationships

That there are a number of different people and organisations they can go to for help in different situations and how to contact them

How to report and get help if they encounter inappropriate materials or messages

To keep asking for help until they are heard