MATHS

**Place value:** We will learn to read and write numbers in different form (up to millions, and including negative values), and how to count forwards and backwards from a point, including counting in steps of powers of 10.We will explore how to round and look at ways to solve problems.

**Addition and subtraction:** We will continue to add and subtract through mentally strategies, moving onto formal written strategies for numbers up to four digits and above, and use our skills to solve problems.

**Multiplication and division:** We will multiply and divide numbers, up to four digits, mentally and through formal written methods**.** We will identify multiples/factors, square numbers/cube numbers and solve problems involving these.

#investigate

ENGLISH (writing)

* We will consolidate the grammar and punctuation skills that we have learned before and then build on them with new skills through the creation of the following fiction/non-fiction texts.
* A biographical recount of the life of a significant individual of the Victorian era.
* An explanation text of the steel making process.
* Diary recounts inspired by ‘Street Child’ and other texts.
* Non-chronological reports about the working lives of children in Victorian England.
* Scary stories.
* Discussion texts about whether Victorian children should have been allowed to work.
* Free Verse Poetry.
* Persuasive text about the dangers of fatbergs

#creativeexpression #shareastory

**#justify**

HISTORY

We will explore the impacts of the industrial revolution upon the lives of different people within the UK, with a specific focus upon Wigan. We will explore how it affected the landscape, people’s jobs and health and the wider economy.

We will gather evidence to help us answer whether people were better off in Wigan because of the industrial revolution.

#makingconnections

#perspectives

**#justify**

SCIENCE

We will explore how gears, levers and pulleys produce mechanical advantage.

We shall predict materials that will dissolve in water and discover how recover some substances from a solution and discover how to carry out a fair test, based upon our own scientific questions.

We will demonstrate how some solids, liquids and gases might be separated using filtering, sieving, and evaporating and differentiate between changes of state which are reversible and those which produce new materials.

#makingconnections

#investigate

ENGLISH (reading)

Through the study of some key texts, we will continue to extract relevant information and move onto build arguments to support our points using information from across the text.

We will learn how to make inferences and predictions based upon what we have already read.

We will make comparisons between different authors and recognised the different styles of narrative.

We will also explore the impact of the structure and language used in different poetic forms.

#makingconnections

#shareastory

GEOGRAPHY

We will explore the different types of settlements that exist within the UK, and the reasons for their locations. This will be linked to with the use of maps at different scales to help locate and analyse features studied.

We will also look at how TRADE became global, and the sorts of products that the UK now imports and exports, and how this may change in the future.

#explore

#perspectives

RE

We will Identify and describe key features of religions, including beliefs, teaching, and their meaning, using appropriate religious and moral vocabulary.

We will Identify and describe similarities and differences in religious practices and lifestyles both within and between religions and describe the meaning of religious symbols and symbolic actions to show understanding that symbols may be interpreted in different ways both within and between religions.

#explore

#shareastory

PSHE

*Every term we will discuss and reflect how to stay safe (including e-safety) and recognise and discuss a range of emotions and strategies to cope with different feelings.*

**Healthy mind and body:** We will learn about what our mental and physical health are and how these can best be preserved, including the study of things that could be damaging to our health.

We will also explore ways to stay safe online.

#explore #makingconnections **#justify**

PE

Invasion: Tag rugby and Hockey

Net Wall: Tennis

Gymnastics: Floor routines

#resilience

#creativeexpression

SPANISH

We continue to practise greeting and introducing ourselves to others and this term will extend our use of adjectives to describe ourselves and others. We will learn specific vocabulary for hobbies, interests and appearance to talk about ourselves and others. Reading, writing, conversing and using Languagenut online to perfect our pronunciation and ability to communicate.

#explore

ENHANCEMENT & CELEBRATION

A Visit to Manchester’s Science and Industry museum

Day in role as Victorian School children.

Now Press Play – experience in role.

#shareastory

MUSIC

We will be performing as part of a vocal ensemble with awareness of the audience and listening to fellow performers to layer different sounds, voices, pitches or rhythms.

We will be exploring and comparing the music of the Classical and Romantic periods, recognising how musical elements can be combined to communicate different, and changing, mood, environment and effects.

#creativeexpression

#investigate

DESIGN

We will investigate how bridges are constructed, and their structure reinforced. We will build towards creating our own bridge designs, following stages of investigations.

#resilience

#investigate

COMPUTING

*Every term we develop e-safety awareness and the basic knowledge and skill required to access the computing curriculum.*

**Computer Science:**  We will explore the functions of commands, sequence, repetition, selection and conditionals in algorithms/programs and learn how each of these elements combine through creating and debugging a game.

**Digital Citizenship:** We will explore how to protect ourselves and our identities online.

#perspectives #resilience

ART (Autumn 1)

We will explore the use of tone and texture and its impact upon our sketches, and how vanishing points can give our work depth.

We will look at proportion, specifically in the features of our faces through portrait work.

We will investigate what is meant by abstract art and debate whether graffiti is an art form.

#creativeexpression #enterprise