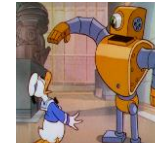


Inventors and Inventions!



Key Vocabulary:

invention
inventor
design
method
process
moulding
bending
polystyrene
squashing
twisting
tram
automotive
railway

Visits, visitors or key events:

World Book Day – 5th March.
Science week- 9th- 13th March.
Tramway Museum – 23rd March



Maths:

Addition and Subtraction

- Adding and subtracting a 2-digit and 1-digit number crossing 10.
- Adding and subtracting 2 2-digit numbers crossing 10.
- Use inverse relationship to check calculations.

Geometry

- Lines of symmetry.
- Sort 2D and 3D shapes.
- Count faces on 3D shapes.
- Count edges on 3D shapes.
- Count vertices on 3D shapes.
- Make patterns with 3D shapes

Measurement – Mass

- Choose and use appropriate standard units to estimate and mass (kg/g).

Statistics

- Draw and interpret pictograms.
- Draw and interpret simple tables/block diagrams.

Fractions

- Equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.
- Counting in fractions.

Science:

Uses of materials/Changing materials

- Changing the shape of materials by bending/squashing/twisting.
- To investigate how material changes when it is stretched.
- To find out about people who have developed useful new materials.
- How can I strengthen paper?
- Perform tests using simple equipment.
- Use simple features to compare objects, materials and living things and, with support, decide how to sort and group them.
- Record simple data and show my results in a table that my teacher has provided.
- Talk about what they have found out and how.

Home learning ideas:

- Design and build your own invention.
- What inventions can you find in your home?
- Research your favourite invention or inventor.

English:

Fictional stories

Alfie's Star – To create and write own version of the story.

Charlie and the Chocolate Factory- To story map and retell the story.

Film

Red Miss Take – To create and write a description of a character.
To write a recipe for making a new character.

The Contraption

(Snoozatron)-
To create a review for the contraption.

Assessment Writing

Recount of a spring walk

Rainbow Grammar

Adverbials of time, place and manner.
Using adjectives of shape and colour.
Conjunctions
Consistent use of past or present tense.

Key questions for this area of learning:

- What is an invention?
- What is the process of making an invention?
- What are the key characteristics of a good inventor?

History:

Inventions and inventors throughout history

- Invention of cars (Henry Ford).
- Invention of flight (The Wright Brothers)
- Invention of the railway (George Stephenson)
- Invention of the telephone (Graham Bell).
- Appreciate that 'historically significant' people are those who changed many people's lives.
- Know some things which have changed/stayed the same as the past.
- Appreciate that daily life has changed over time but that there are some similarities to life today.
- Identify similarities and differences between ways of life at different times.
- Know that changes may come about because of improvements in technology.

PE:

Fitness with Mrs Hough

- To improve speed, agility, stamina, balance, control and coordination.
- To work well as a team.
- To use good technique and energy levels.

Basketball with Mrs Hough

- Perform a variety of skills keeping the ball under control.
- Choose and use simple tactics to suit different situations.
- Apply skills and tactics in small sided games.

Music:

Animals

- Responding to, understanding and creating changes in pitch.
- Reading pitch line notation.

Story Time

- Combining sounds to create a musical effect.

RSHE:

Copyright, Ownership, Privacy and Security

- Know that the work I create belongs to me
- Name my work so others know it is mine
- Know about passwords and that they need to be private

Managing Information

- Understand that the internet can be used to sell things
- Know some content can be harmful and illegal and to ask for help
- Know some people might influence others online
- Know where to go for help and support when I have concerns about material on the internet

Personal Hygiene and body image

- Know how personal hygiene links to body image.
- Know why personal hygiene is important.
- I know what I like about my body and the way I look.

Diet and Nutrition

- Know how diet is linked to oral hygiene, sleep body image, mental health and feelings.
- I know how sugar and 'fast' foods affect the body and mind and use it to make healthy choices.

Exercise

- I know how exercise makes me feel.
- I know the different ways we can exercise.
- I know what might happen if we don't exercise.

Computing:

Data and Information

- Recognise that we can count and compare objects using tally charts.
- Recognise that objects can be represented as pictures.
- Create a pictogram.

Safety Lesson- Who Does This Belong To?



Religious Education:

Shabbat

- To explore what Jewish people do on the Friday night of Shabbat.
- To make some comparisons with what they do on a Friday night.
- To investigate possible activities that Jewish people do on a Saturday.
- To understand that a closing ceremony called Havdalah ends Shabbat.

Easter

- To sequence the story of Easter
- To know the importance of Palm Sunday to Christians.
- To explore different versions of the Easter story.
- To know the different emotions associated with Easter.
- To investigate how Easter is celebrated in France.

Art and Design/Design Technology:

- Begin to know that everyone should eat 5 portions of fruit and veg. per day and only a small amount of sugar/ fat.
- Design a 'Marvellous and healthy' Easter treat alternative, eg. Swedish chocolate balls.
- Know about food hygiene.
- Use combining skills like stirring and mixing.
- Reflect on art work they have studied and use relevant vocabulary.
- Confidently mix secondary colours using the colour wheel and be able to name them.