

Inventions



YEAR GROUP: 4

DATE: Spring 2 2019

Inventions

STIMULUS/LAUNCH/CHALLENGE/FINAL PRODUCT

We will begin the term by investigating an unusual bag that has been discovered at the train station and use our inference skills to determine who it might belong to. Following this, we will enter the world of Hugo Cabret where even the walls of the train station come to life. The images in the text will inspire both our writing and our artwork.

We will focus on the Hugo Cabret text and, more specifically, the images to build our inference skills and ability to delve into the story.

These images will also inspire us to develop our sketching skills through experiences with different techniques.

MATHS

As Mathematicians we will continue to develop our fluency, problem solving and reasoning skills.

Fractions - adding and subtracting fractions with the same denominator, subtract fractions from whole amounts and finding fractions of a number.

Decimals - recognise tenths and hundredths on a place value grid and number line, divide numbers by 10 and 100.

ART/D.T.

As Artists we will develop our sketching skills using the images from our class text as inspiration. We will focus on the use of shading and tone in drawings for effect and evaluate our own work.

As Designers we will apply our knowledge from Science to design and develop our own working inventions using recycle materials.

LITERACY

As writers we will be using 'The Invention of Hugo Cabret' as our stimulus. Throughout the half term we will meet the character of Hugo Cabret and begin by writing a setting description of the train station before a diary entry from his perspective. Following this, we will write a newspaper report about the invention of the automaton.

As readers, we will be studying 'The Iron Man' in group and whole class sessions.

GEOGRAPHY

As Geographers, we will be developing our geographical skills by learning how to use the 8 compass points with symbols and keys as a way to navigate ourselves through the complicated train station.

SCIENCE

As Scientists we will be investigating electricity. During the half term, we will focus on constructing simple electrical circuits using symbols and equipment. We will then use this knowledge to learn about conductors and insulators.

MUSIC

As Musicians we will participate in singing sessions with Mrs Chamberlain and also weekly guitar or flute sessions led by the Wider Ops team.

RE

As religiously literate individuals, we will be exploring the Hindu religion and their specific beliefs. As well as describing the key aspects of Hinduism such as the people, traditions and stories that influence these.

PHILOSOPHY

As Philosophers we will be considering both the positive and negative impact that inventions have had on society. We will consider what inventions may be developed in the near future and what impact this will have on our lives. In addition to this, we will ask the question 'What would you uninvent?'

PE

As sports people, we will be working with Mrs Haines to develop our dance and co-ordination skills and also swimming weekly.

To Try
New Things

To Work
Hard

To
Concentrate

To Push
Ourselves

To Imagine

To Improve

To Understand
Others

To Not
Give Up