

### Literacy

Through a range of role play, speaking and listening, shared, group and individual reading and writing activities, linked to robots, inventors and their inventions, we will explore the genres of explanation texts, mystery stories, instructional writing, debates, poetry and recounts.

The children will design their own fantastic inventions and create persuasive adverts and presentations to promote them in our own 'Dragon's Den'.

They will also produce a list of instructions on how to make these creations work. We will be exploring how technology has changed over the years and the children will create fact files about pioneering inventors and debate the pros and cons of each.

Our focused text will be 'The Iron Man', by Ted Hughes, in which the children will look to create poems about him and write a letter as well as a diary from a character's point of view.

### Numeracy

In **Year 3**, the focus of our learning will be on multiplication and division, bar charts, tables, pictograms, money, length, perimeter and fractions.

**Year 4** will be continuing our learning on multiplication and division. We will also be covering area, fractions and decimals.

### Science

The children will look at the following areas of Science through the eyes of famous Inventors such as Thomas Edison:

**Electricity** ~ They will revise the dangers of electricity, learn the components used in circuits, predict which circuits will light a bulb and which materials are classed as conductors or insulators. They will then use their knowledge of circuits to create a game/toy/vehicle that moves, lights up or makes a noise.

**Forces** ~ Explore how things move using forces and magnets. The children will also investigate and create various designs for planes and parachutes to try and make them more suitable for purpose.

### Art/DT:

The children will explore the designs and ideas of various inventors and look to reproduce their own. One of their inventions will be to create a shirt that can do something amazing and produce a prototype for it. They will also have the opportunity to create their own robot pet based on the short film - Robot Dog.

In Art, the children will reproduce silhouette drawings based on the illustrations within the story of 'The Iron Man'.

### P.E:

**Year 3** ~ In gymnastics and dance the children will create and copy a variety of sequences and routines, linking various movements together.

**Year 4** ~ In gymnastics we will be developing a range of actions, body shapes and balances to include in a performance. We will also be swimming in the first half of the Spring Term.

### Geography:

Whilst learning about famous inventors the children will refer to maps and the internet to research where they came from. We will look at the travels of aviation pioneer, Amelia Earhart as she flew across the Atlantic Ocean and the development of the railway system across the UK and North America. The children will develop their skills in being able to read grid references as we look at maps of the London Underground.

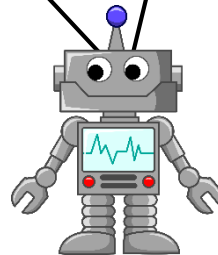
### Music:

The children will continue to develop their independent singing voices and practise copying and creating their own rhythmic patterns. Children will also begin exploring the use of un-tuned percussion to create soundtracks to silent movies linked to our topic on the 'Rise of the Machines'.



## Rise of the Machines (Spring 2020)

Year 3/4



### French:

**Year 3** ~ The children will begin to learn the vocabulary for: the days of the week; food; fruit; parts of the body; zoo animals and months of the year.

**Year 4** ~ The children will begin to learn the vocabulary for: family members and pets and how to introduce them to other people; likes and dislikes; leisure activities, numbers up to 30 and beyond.

### PSHE

SEAL (Social, Emotional Aspects of Learning):

Going for Goals  
Good to be Me  
Philosophy for Children

### History:

The children will be exploring how technology and transportation have changed over the years. We will look to place these events in chronological order on a timeline and discuss how these inventions have changed the world. The children will also debate the importance and pros and cons for each.

### ICT:

As always, the children will look at ways to use the technology safely, respectfully and responsibly, knowing a range of ways to report concerns and inappropriate behaviour.

They will explore the inside of a computer and look at the functions of each component. The children will look at programming and robotics.

The children will also use the internet to research information linked to how technology has changed over the years.

### RE:

**Year 3** will be learning about where, how and why people worship and take part in a Faith Tour to learn more. They will also look at why Pentecost is important for Christians.

**Year 4** will be learning about how faith is expressed in Sikh communities and traditions and why Christians call the day Jesus died 'Good Friday'?