

Science

Topic : May the Force be with You

How do forces 'shape' the world around us ?

- plan and carry out a fair test to investigate a scientific question
- take measurements accurately ; including repeat testing
- record results in a variety of ways and draw appropriate conclusions
- explain how forces affect motion
- identify the effects of resistance forces and suggest how to reduce them
- know about the life of Isaac Newton

Creativity

History

Topic : Inventions that Changed the World

How have inventions influenced people's way of life over time ?

- draw a time line with precise chronology & detail of different historical periods
- describe how significant technological breakthroughs in history impacted on society, then and now
- make comparisons between, Sumerian, Early Islamic and Victorian historical periods
- recognise how historical artefacts help build an understanding of people's way of life through time

The Big Question

How important is technology in the world ?

Influence

The Age of

Invention ...

Year 5

Autumn Term

DISCOVER



Visit to BAE Systems



Communication

Music

Topic : Musical Machines and Rhythmical Robots

How musical are machines ?

- describe & compare 'machines' using musical vocabulary
- compose music that identifies the mood & character of a mechanical machine or robot
- use simple and standard notation to record musical composition
- perform music on tuned instruments ; singing in rounds, variation & rondo form

English

Class Novel : Cogheart

How does friendship influence choices in life ?

- read fluently and respond critically to literature (VIPERS Strategies)
- analyse, evaluate and criticise a range of uses of language in order to draw out meaning purpose and effect
- talk clearly and confidently about thoughts, opinions and ideas
- listen carefully to others to further inform thinking
- write and present a range of ideas in a wide variety of written forms
- communicate ideas in writing with imagination, variety and accuracy

Commitment

Technology and Design

Topic : Work Made Easy

How do mechanical machines make work easier ?

- collect ideas about simple mechanisms that use cogs, gears and pulleys
- outline a clear and detailed design plan for an 'Automato Animal' toy
- construct a quality 'Automato Animal' toy ; use a range of focused practical skills
- evaluate appearance and function against the original design criteria