

iRobot

Artificial Intelligence
Evolution of Technology
Space Exploration
Explorers and Discovery

NUMERACY

Escape Room

Children to create and solve puzzles and challenges to escape the 'Escape Room'.

Coding and Programming

Children will use their knowledge and understanding of maths to code and programme robots and machines.

Scratch Maths

Using the scratch programme, children create series of maths commands and activities.

Science

Measurement and Statistics

Link with our science/biology/PE topic, children will take measurements of heart rates etc.

Space

Distances, size and mass of planets, moon rock etc.

PE

Navigation, coordinates and translation on a map.

Mega Machines



(1st February)

WOW/IMMERSION

EV3 Robot Experience

The Word
South Shields

LITERACY

TALK4WRITING

Adventure Stories

Children will adapt and innovate our class novels (*Wild Robot and Kensuke's Kingdom*).

Children will plan, write and up-level robot adventure stories.

Biographies

After studying significant inventors and innovators, children will plan write and up-level biographies.

Newspaper Reports

The Rise of Robots newspaper reports. Children will plan, write and up-level newspaper reports.

Science Fiction Stories

Character and Setting Descriptions

Using robots as a theme, children will write science fiction stories, focussing on character and settings descriptions.

Poetry

Explore poetry types (haiku, free verse, tanka)

Non-Chronological Report

Information texts for famous inventions from the past.

Instructions

Programming a friend.

NOVEL STUDY

Wild Robot



Kensuke's Kingdom



Innovators of Technology

Graffiti Art



MAIN OUTCOME



Mission to Mars Workshop

Discovery Museum



PSHE POSITIVE EDUCATION

Programming ourselves for success!

What would happen if robots replaced humans?

Is artificial intelligence good or bad?
How could robots improve our lives?

Y6 EXPO

SPAG

TAUGHT THROUGH ALL TOPICS AND DISCREETLY

English

Adventure Stories
Biographies
Newspaper Reports
Poetry
Character and Setting
Descriptions
Diary Entries
Recount

Science

Investigations
Reports
Evaluations

History

Biographies of significant individuals from the past.
Explanation texts
Information Texts
Instructions

Inventor from the Past



SCIENCE

Are Robots better than Humans?

Comparison of robots circuits and Humans Circulatory Systems.

Investigation

GEOGRAPHY

What is left to discover?

Navigation and Exploration of the world.

Atlas knowledge and compass work.

Orienteering challenge.

HISTORY

Where has technology taken us? How has technology evolved?

Evolution of Humans (Science Link)

Evolution of Technology (History Study)

Significant figures/inventors in history

STEVE JOBS- Apple

TIM BERNERS-LEE- Internet

ELON MUSK- Tesla and SpaceX

PE

Dance- 'Do the Robot'

Creating Routines individually and in groups.

Outdoor and Adventure

Hint Hunt- planning treasure hunts and following a series of clues.

Science Link- Our Body's reaction to exercise e.g. Heart Rate, Sweating etc.

CREATIVE

ART

-Artist study- Eric Joyner (robot artist)

<https://robotart.org/>

-Collages and Junk Art

-Graffiti Art Experience

MUSIC

-Singing, composing and performing.

DRAMA

Inventors from the past- history/English link.

ICT

Leaders in Technology

Creating, Coding in **robotics**

Adobe Spark- Creating Alternative Digital School Newsletter