



# Y4 Curriculum Information

## Robots

This term we will be delving into the world of robotics. We will learn how the word 'Robot' came to be and how the World has witnessed the developments of the robot from automatons to humanoids. The children will learn about a hotel in Japan which is completely run by robots; there is even a dinosaur that checks in guests!

## English

We will be using two film clips to work from this term; 'The Girl and the Robot' and 'The Dragon Slayer' Using these as inspiration the children will be writing diary entries, learning about instruction writing and creating non-chronological reports.

The children will be given the opportunity to exhibit their writing skills both with English lesson and through topic-based, cross-curricular writing.

**Key Vocabulary: noun-verb pairs, prepositional phrases of time/place, third person, present tense, formal register, nouns and pronouns, bullet-points, headings and subheadings.**

## Reading

In reading, we will continue to develop techniques for

improving comprehension skills.

Guided reading will be topic related and focus on inference and developing interpretive skills.

We will be continuing to develop skimming and scanning skills to be able to locate information quickly.

**Key Vocabulary: skim, retrieve, infer, summarise inference, point, evidence, explanation**

## Maths

The key areas we will be focusing on this term are:

### Fractions

A continuation of last term's fraction work, we will explore how to add and subtract fractions, how to convert an improper fraction to a whole number and a fraction and vice versa.

### Symmetry in 2D shapes

Children will focus on finding lines of symmetry in 2D shapes, reflect polygons in a line of symmetry, and use a mirror to find lines of symmetry

### Time

Children will focus on reading, writing and converting time between analogue and digital 12- and 24-hour clocks and solve problems involving converting from hours to minutes; minutes to seconds; years to months and weeks to days.

### Division with remainders

Children will explain when there will

and will not be a remainder in a division equation.

**Key Vocabulary: divisor, remainder, lines of symmetry, reflection, polygons, digital and analogue clocks.**

## Science

Term 6 Science allows us to review and consolidate the learning of this year. We will recap the following topics; animals including humans, living things and their habitat, matters of state, electricity and sound. We will start the term off with a guest sound engineer (Thanks to Matt Butcher!) who will recap sound, electricity and magnetism with a hands-on demonstration using lots of devices! - Watch out for photos on the website.

## RE/World Views

In RE we will be exploring the big question 'How and why do people argue that some places can be spiritual?' We will consider special places for Christians and Hindus (and non-secular people) and the importance of pilgrimage.





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## Computing

This term's exciting computing unit is all about audio production. Children will identify the input device (microphone) and output devices (speaker or headphones) required to work with sound digitally. They will discuss the ownership of digital audio and the copyright implications of duplicating the work of others. In order to record audio themselves, learners will use Audacity to produce a podcast, which will include editing their work, adding multiple tracks, and opening and saving the audio files. Finally, learners will evaluate their work and give feedback to their peers.

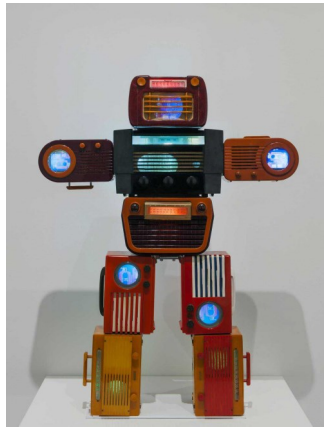
**Key Vocabulary: Audio, record, playback, microphone, speaker, headphones, input, output, start, stop, podcast, save, file, selection, edit, mixing, time shift, export, MP3, evaluate, feedback**

## French

In French, we will be consolidating the work from Year 4, we will be recapping talking about pets, eye and hair colour, describing personality, describing others and nouns and colours. The children will be working on being able to pull all of this information together to write a detailed description of themselves, their animals (or an animal they would like) and the things around them in the classroom.

We will continue to polish their speaking, listening, reading and writing skills.

## Art and Design



'Often recognised as a founder of video art, **Nam June Paik** worked across video sculpture, television productions, robotic devices, performance and installation. In a pre-internet era, Paik embraced mass media and predicted that 'technology would enable people to communicate immediately'.

Inspired by his visits to Tokyo, and often using rejected media artefacts within his work, Paik constructed *Bakelite Robot* from nine vintage Bakelite radios to form a miniature robot sculpture. Associated with access to information and entertainment, the radio has become a symbol of the twentieth-century modern home and technology featuring as part of everyday life.'

We will explore this artist and have a go at making our own robots from everyday items.

## PE

This term is packed full of sporting events and opportunity. We are preparing for our Summer Dance Day extravaganza to begin the term, we will then focus on athletics ready for Sports Day, and finally move on to some cricket. They will be ready for a rest after that!



## PSHE/AYLA

We will be completing our AYLA project this term, looking for ways to help our local environment and 'Being the change we want to see'.