

## Maths

**Shape** (classify and estimate angles, measure up to  $180^\circ$ , draw angles, calculate angles, 2D and 3D shapes)

**Position and Direction** (read and plot coordinates, problem solve with coordinates, translation, lines of symmetry, reflection).

**Decimals** (add and subtract decimals within and across 1, add decimals with the same and different numbers of decimal places, use efficient strategies to add and subtract, decimal sequences, multiply and divide by 10, 100 and 1,000).

**Negative Numbers** (understand negative numbers, count through zero in ones and multiples, compare and order negative numbers, find the difference).

**Converting Units** (kilograms and kilometres, millimetres and millilitres, convert units of length, convert between metric and imperial, convert units of time, calculate with timetables).

**Volume** (cubic centimetres, compare and estimate volume, estimate capacity).

**Mental Arithmetic** (Learn and practice strategies to work out calculations without the use of tools such as pen and paper or a calculator).



The Lyceum

## Year 5 Flames and Fragility

## English

Core Text: Paradise on Fire

Spelling, Punctuation and Grammar:

- Showing degrees of possibility using adverbs or modal verbs
- Use devices to build cohesion within a paragraph (e.g. then, after that, this, firstly).

Non-fiction

- Write a survival guide

Fiction

- Diary entries and letters
- A narrative inspired by the text
- A dramatic retelling

Poetry

- Poetry inspired by Robert Frost's Fire and Ice

## Science

Living Things:

- To understand how flowering plants reproduce.
- To understand the lifecycle of different types of plants.
- To explore the differences between the lifecycle of an insect and amphibian.
- To explore the differences between the lifecycle of a mammal and a bird.

Working scientifically:

- Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.
- Describe the life process of reproduction in some plants and animals.

Animals including humans:

- To explore if all mammals have the same gestation period.
- To describe how humans grow in the womb.
- To draw a timeline of the growth and development of humans.
- To explore the changes experienced during puberty.
- To understand what happens to adults as they age.

Working scientifically:

- Describe the changes as humans develop to old age.



# Year 5 Flames and Fragility

## Art

What happened in Art when we stopped fearing the Forest?

- We will look at how artists views of the world around them have changed how we see the world.
- From the dark frightening forest to bucolic woodlands. Medieval visions of Hell, 19th Century industrial landscapes and the landscape of war.
- We will look at the ways landscape is used in film and literature to help establish a setting.
- We will look at different ways to illustrate and create model landscapes.

## RE

Buddhism:

What is the best way for Buddhists to show their commitment to their beliefs?

Christianity:

What is the best way for Christians to show their commitment to God?

## Spanish

Unit 3: What is your favourite sport?

- Sports and equipment
- What sports do we practise and when
- Adjectives to describe sports
- 1st, 2nd, and 3rd person of the verbs 'Practicar' (To practise), 'Saltar' (To jump), 'Bailar' (To dance) and 'Jugar' (To play)

Spanish-speaking countries: **Guatemala**

## Geography/History

Flames and Fragility: wildfires in North America

- Fires in the past
- Why did fires spread?
- How cities changed over time
- Fairness and living conditions
- People who created change
- North America and wildfires
- Wildfires and inequality
- Sustainable cities in North America
- Design a safer, fairer, greener space

## Trips/Events

- Lords Cricket Trip
- Isle of Wight Residential
- Sports Day
- Happiness Day

## PSHE/RSE

### Relationships

- Recognising me
- Safety in online communities
- Being in an online community
- Online gaming
- My relationship with technology
- Staying safe and happy online

### Changing Me

- Self and body image
- Puberty for girls and boys
- Conception
- Looking ahead – teenage years and responsibilities
- My next class

# Year 5 Flames and Fragility



## STEAM

Creating wearable interactives that illuminate using different input methods including:

- Sound
- Movement
- Algorithmic
- Direction

Investigating innovative technology of the 1960s

Transistorisation  
Minaturisation

Building a 60s inspired piece of technology

## Computing

- An introduction to Python coding.
- Using basic code to construct a simple algorithm that includes inputs, variables and conditionals.
- Data collection and analysis using a micro bit and Chromebook.
- E Safety

## Music

- The Planets
- Whole class composition

## PE

- Cricket
- Rounders
- Athletics
- Tennis

## Drama/Dance

This term in Dance:

- Consolidating their knowledge of patterning and spatial awareness
- Continuing to work on the contrast of dancing in unison and canons
- Implementing the technique and showcasing this in their dances for Summer Pudding.