

# CURRICULUM OVERVIEW

## YEAR 5 AUTUMN

### MATHS

Maths learning has already started as we revise place value; reading, writing, ordering and comparing 7 digit numbers. Then we will revise written methods for addition and subtraction and will work systematically to spot patterns in our working.

As ever, there is a large emphasis on mental methods; children will learn strategies to support mental addition and subtraction.

Later in the term we will be focusing on multiplication and division. Identifying multiples and factors, prime numbers and composite numbers. We will use formal written methods. We will also learn about squared and cubed numbers.

### ENGLISH

We have started the term reading our new class text *Coraline* by Neil Gaiman. Throughout this unit we will be developing our reading skills, including inferring characters' thoughts, feelings and motives. We will also be writing in the style of Neil Gaiman, using his writing as a model.

This term children will be encouraged to maintain a positive attitude to reading; reading widely and increasing their familiarity with modern fiction. Please encourage your child to use their planner to record reading they do at home. Children will produce book reviews of their favourite texts and make recommendations to their peers.

Later in the term we will focus on biographical writing, recount writing and persuasive writing. We will learn how to select the appropriate form of our writing and ensure it is appropriate to the audience and the purpose.

Children will develop their proofreading skills to identify spelling, punctuation and grammar errors. Developing these skills will be a major focus this term.

### WELCOME TO YEAR 5

What a busy year we have ahead of us! The children have settled well into Year 5 and are already enjoying our new curriculum. We're looking forward to new and exciting learning opportunities this year.

#### INFORMATION

Children are expected to have a complete, named P.E kit in school at all times.

#### HOMEWORK

This year there will be English and Maths homework in addition to reading and spelling, every week. Homework will be set on Monday and expected back on Friday.

Please check your child's planner for details.

#### DATES

26/9/17 – European Day of Languages

2/10/17 – Healthy Living Week

17&19/10/17 – Parent Meetings

29/11/17-1/12/17 – Sayers Croft Residential Visit

## VALUES – Perseverance & Trust

## THEME – Our World

### SCIENCE

We will start our Science learning this term learning about properties and changes of materials. We will learn to compare and group a broad range of everyday materials according to their properties and match these with their uses. We will review previous learning about magnetism and electricity. We will explore reversible changes such as evaporation, dissolving and melting. We will also look at irreversible changes like burning, rusting and some other chemical changes. We will also learn about some scientists who have created new materials.

Later in the term in our unit about Earth and Space, children will learn to describe the movement of the Earth, and other planets, relative to the Sun in the solar system and describe the movement of the Moon relative to the Earth. They will learn to describe the Sun, Earth and Moon as approximately spherical bodies. Finally, children will learn to use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.

There will be a number of opportunities this term for children to plan enquiries, including recognising and controlling variables where necessary. They will take measurements, using a range of scientific equipment, with increasing accuracy and precision

## Music

Play music with increasing control and accuracy

This term we will be exploring the West African Djembe drumming tradition and looking at the cultural significance and place of West African drumming.

## Art

Create a sketch book to record their observations

Use language of art, craft and design

Begin to analyse creative works

Improve mastery of techniques; drawing

We will be focusing upon 'people'. Looking at the form and shape of the human body and developing skills with different media. We will be analysing some art by great artists from different schools.

## DT

Develop design criteria to inform the design of appealing products fit for purpose and target audiences.

In connection to our learning in Science we will be working with textiles to create an appropriately decorated product.

## PE

Compare performances with previous ones and demonstrate improvement to achieve personal best.

Become confident and competent in agility, coordination and balance.

Communicate positively during competitive activities

We will be focusing initially on the social aspect of playing games – collaboration with others, giving and receiving sensitive feedback, organising roles and self-evaluation. We will be practising dynamic balances and considering how these help in a game situation. Also, ball handling skills – control, speed, movement/direction, anticipation - will be explored while also considering cognitive aspects of playing games such as; tactics of attack, defence and deception: We will be learning to play hockey and tag rugby. Indoors we will focus on the dynamics of movement and control in gym and dance.

## Languages

Have an understanding of common sounds and spellings

Take part in conversations

Ask and answer questions

This term we will be focusing on two contexts – Our school and Our World.

## RE

Understand that there are accepted statements of wisdom in all cultures.

Know about the significance of Jesus as the 'Light of the World'

Understand different ways in which light is used as a sign at Christmas.

Know how light is also used in other religions for diverse meanings.

We will start by learning about the 'Golden Rule' in Christianity and how it can influence how people live their lives. We then consider how this rule appears in other religions and belief systems. Closer to Christmas we consider the symbolism and meanings of light in Christianity.

## Year

5

## Geography

Describe and understand aspects of:

Physical geography: mountains, volcanoes and earthquakes, and the water cycle.

Human geography: land use, economic activity, natural resources.

Understand geographical similarities and differences through the study of human and physical geography of a region

Geographical skills and fieldwork

Use maps, atlases, globes and digital/computer mapping.

We start by investigating the reasons behind parks and then focus on the physical and human aspects and features of British National Parks. We will also compare our parks with American National Parks. Later in the term we will study mountains. We will focus on formation, different rock types, erosion and latterly the interaction of people with mountains.

## Computing

Understand and apply principles and concepts such as abstraction, logic and algorithms.

Analyse and solve problems.

Use technology safely, respectfully and responsibly

Select, use and combine a variety of software

This term we will be block-coding with Espresso. Children will learn about values and variables. They will use computational thinking to solve problems and design, create and debug programs. Next, the children will become "virtual architects"; using 'SketchUp' software they will create a virtual gallery.

Finally we will return to coding (with Scratch) and attempt to write code that plays music.