

## Maths (Oak Academy)

This term, we will cover the following:

- right angles
- informal and mental strategies for adding and subtracting two 3-digit numbers
- understand additive relationships and apply them to rearrange equations
- column addition
- 2, 4 and 8 times tables: using times tables to solve problems
- column subtraction

## English

This half term our class novel Journey to the River Sea by Eva Ibbotson.

We will be writing a set of instructions on how to plant a seed; a narrative based on a traditional Tale: Jack and the Beanstalk; stories with a fantasy setting; and non-chronological reports.

Alongside this we will continue to read every day, complete quizzes and work on our comprehension skills. We will also be working on our joined handwriting and a variety of grammatical features including word class; paragraphs; headings, subheadings and bullet points; and coordinating and subordinating conjunctions.

## Languages

Through our Language Angels scheme of work, we will be learning the seasons in French.

## PHSE

For PHSE we follow the Derbyshire scheme of work 'PHSE' matters. This term, we will be learning about 'Changes' and 'Exploring Emotions'.

## Science

This term our Science topics are 'Plants' and 'Living Things and their habitats'. We will cover the following:

### Plants

- parts of a flowering plant and their functions
- what a plant needs for life and growth
- how water is transported within plants
- the life cycle of a flowering plant

### Living Things and their Habitats

- grouping and classifying living things and using these skills to identify and name living things in our local environment
- thinking about changes in the local environment and how this can pose dangers to living things

# Blooming Marvellous

## Sycamore Class Spring Term 2025

## Art and D&T

We will be getting creative by studying Van Gogh, specifically his sunflowers and the work of Henri Rousseau. We will be developing the skills of still life drawing and landscape drawing in the style of both artists.

In D&T we will be designing, making and evaluating books with moving parts.

## Geography

During this topic we will be learning all about rainforests and the extreme earth (volcanoes and earthquakes).

Our lessons will cover these key questions:

- What is a rainforest?
- Where can rainforests be found in the world?
- What is the rainforest climate like?
- What are the different layers of the rainforest?
- Who lives in the rainforest?
- How can we protect the rainforests today?
- How are volcanoes formed?
- What are the effects and consequences of volcanoes and earthquakes?
- Why do people to continue to live near earthquakes?

## PE

This term we will be doing Dance and Gymnastics in PE. We will also continue to access PAS on a Friday.

## Music

We will be finishing our brass lessons through the Wider Opportunities Scheme with a performance on Monday 20<sup>th</sup> January at 1:30 in the school hall. We would love to see you there! There will also be an Easter performance towards the end of term. Details to follow.

## Computing

In Computing we will be drawing and publishing, using PowerPoint to present information.

## RE

Taken from the Derbyshire Scheme, the children will learn 'Why do people pray?'.

### English Objectives (S&L)

- listen and respond appropriately to adults and their peers
- ask relevant questions to extend their understanding and knowledge
- use relevant strategies to build their vocabulary

- maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments

### English Objectives (Reading)

- develop positive attitudes to reading and understanding of what they read by:

- listening to and discussing a wide range of fiction, poetry, plays, non-fiction and reference books or textbooks

- using dictionaries to check the meaning of words that they have read

- increasing their familiarity with a wide range of books, including fairy stories, myths and legends, and retelling some of these orally
- understand what they read, in books they can read independently, by:

- checking that the text makes sense to them, discussing their understanding and explaining the meaning of words in context

- asking questions to improve their understanding of a text

- drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence

- predicting what might happen from details stated and implied

- identifying main ideas drawn from more than one paragraph and summarising these

- identifying how language, structure, and presentation contribute to meaning

### English Objectives (Spelling)

- Words with the 'ai' digraph

- Words with the 'ei' digraph

- Words where 'ey' makes an /ai/ sound

- Adding the suffix '-ly'

- Words that are homophones

### English Objectives (handwriting)

- use the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined.

- increase the legibility, consistency and quality of their handwriting.

### English Objectives (composition)

- plan their writing by discussing writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar; and discussing and recording ideas

- draft and write by composing and rehearsing sentences orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures; organising paragraphs around a theme; in narratives, creating settings, characters and plot; and in non-narrative material, using simple organisational devices

- evaluate and edit by assessing the effectiveness of their own and others' writing and suggesting improvements; proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences; proof-read for spelling and punctuation errors; read aloud their own writing, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear

### English Objectives (SPaG)

- develop their understanding of the concepts set out in English Appendix 2 by:

- extending the range of sentences with more than one clause by using a wider range of conjunctions, including when, if, because, although

- choosing nouns or pronouns appropriately for clarity and cohesion and to avoid repetition

- using conjunctions, adverbs and prepositions to express time and cause

- using fronted adverbials

- indicate grammatical and other features by:

- using commas after fronted adverbials

- using and punctuating direct speech

- express time, place and cause using conjunctions, adverbs or prepositions

- introduce paragraphs as a way to group related material

- headings and sub-headings to aid presentation

- introduce inverted commas to punctuate direct speech

### Science Objectives

- identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers

- explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant

- investigate the way in which water is transported within plants

- explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal

- recognise that living things can be grouped in a variety of ways

- explore and use clarification keys to help group, identify and name a variety of living things in their local and wider environment

- recognise that environments can change and that this can sometimes pose dangers to living things

### Maths objectives (Y3)

- add and subtract numbers mentally, including:

- a three-digit number and ones to a three-digit number and tens

- a three-digit number and hundreds

- add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction

- estimate the answer to a calculation and use inverse operations to check answers

- solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

- recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
- solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which m objects are connected to n objects.

### Art & Design Objectives

- to create sketch books to record their observations

- use sketchbooks to review and revisit ideas

- to improve their mastery of art and design techniques, including painting with a range of materials

- about great artists in history

### Computing Objectives

- select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

### Geography Objectives

- locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities

- identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)

- describe and understand key aspects of physical geography, including climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle

- describe and understand key aspects of human geography, including types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water

- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied

### RE objectives

- describe the practice of prayer in the religions studied (A2)

- make connections between what people believe about prayer and what they do when they pray (A3)

- describe ways in which prayer can comfort and challenge believers (B2)

- describe and comment on similarities and differences between how Christians, Muslims and Hindus pray (B3).

### MFL Objectives

- Listen attentively to spoken language and show understanding by joining in and responding

- Explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words

- Engage in conversations; ask and answer questions; express opinions and respond to those of others;

- Understand basic grammar appropriate to the language being studied,

### Music Objectives

- play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression

- listen with attention to detail and recall sounds with increasing aural memory

- use and understand staff and other musical notations

### PSHE Objectives

- R1 - Recognising a wide range of emotions in themselves and others.

- R1 - Responding appropriately to a range of emotions in themselves and others.

- R7 - Understanding their actions affect themselves and others.

- R12 - Developing strategies to resolve disputes.
- R12 - Identifying strategies to manage emotions.

- H1, H6 - Deepening their understanding of good

- and not so good feelings.

- H6 - Extending vocabulary to help explain the range and intensity of feelings.

- H7 - Recognising conflicting emotions.

- H6 - Understanding good and not so good feelings including their range and intensity.

- H7 - Developing an understanding that change can cause conflicting emotions.

- H7 - Acknowledging, exploring and identifying how to manage change positively.

- H8 - Exploring changes.

- H14 - Knowing where to go for help and how to ask for help.

### P.E Objectives

- develop flexibility, strength, technique, control and balance

- perform dances using a range of movement patterns

### Design and Technology objectives

- generate, develop, model and communicate their ideas through discussion annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

- evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

- understand and use mechanical systems in their products