

Computing

Unplugged Algorithms

In this unit pupils will continue to explore what algorithms are and what strategies they can use to find bugs when their algorithm is not working.



Topic Map: Year 2

Term: Autumn 1



Phonics

Phase 4

In Phase 4, no new graphemes are introduced. The main aim of this phase is to consolidate the children's knowledge and to help them learn to read and spell words which have adjacent consonants, such as **trap**, **string** and **milk**.

Phase 5

Children entering Phase 5 will already be able to read and spell words and with adjacent consonants, such as **trap**, **string** and **fisk**. They will also be able to read and spell some polysyllabic words. In Phase 5, children will learn more graphemes and phonemes. For example, they already know **ai** as in **rain**, but now they will be introduced to **ay** as in **day** and **a-e** as in **make**. Alternative pronunciations for graphemes will also be introduced, e.g. **ea** in **tea**, **head** and **break**. With practice, speed at recognising and blending graphemes will improve. Word and spelling knowledge will be worked on extensively.

Music

Nativity (T)

- Children will learn songs for their Christmas nativity, focusing on vocal technique and confident performing.



Geography – Can we make maps?

Children will learn to:

- Understand geographical similarities and differences through studying the human and physical geography of a small area
- Use simple compass directions (North, South, East and West) and locational and directional language [for example, near and far; left and right], to describe the location of features and routes on a map.
- Use aerial photographs and plan perspectives to recognise landmarks and basic human and physical features; devise a simple map; and use and construct basic symbols in a key.
- Use simple fieldwork and observational skills to study the geography of their school and its grounds and the key human and physical features of its surrounding environment

PSHE

Being Me in My World

Children will explore how behaviour can impact

Class Novel

A terrifying monster rampaging in the sewers?

The Daily Scourge is sure of it.

A money-spinning fairground freak?

He is to Mr Tapscrew.

A champion wriggler and a downy card?

That's what Billy hopes.

Or just an ordinary small boy, though a little ratty in his habits? Only three people believe this version of the story. Only one of them knows who Roger really is. And luckily a story about *her* can sell even more newspapers than one about a rat-boy ...

They will talk about how it feels to have a friend and be a friend and why it is ok to be different.

PE - Invasion and Yoga

Copy, remember and repeat simple skills with control and co-ordination

Pass a ball accurately to a partner over a variety of distances perform a range of rolling, throwing, striking, kicking, catching and gathering skills, with control. Show a good awareness of others in running, chasing and avoiding games, making simple decisions about when and where to run

Pupils vary skills, actions and ideas. They begin to show some understanding of simple tactics

They vary skills and show some understanding of simple tactics. Choose and use tactics to suit different situations. React to situations in a way that helps their partners and makes it difficult for their opponents

Technique

Perform a variety of actions with increasing control. Repeat accurately sequences of gymnastic.

Actions move smoothly from a position of stillness to a travelling movement. Move smoothly and in a controlled way from one position of stillness to another.

Skill

Choose, use and vary simple compositional ideas to create and perform a sequence. Devise, repeat and perform a short sequence in which there is a clear beginning, middle and end. Adapt the sequence to include apparatus or a partner. Use different combinations of floor, mats and apparatus, showing control, accuracy and fluency

DT - Puppets Textiles

Templates and joining techniques

Children will learn different sewing techniques to use when creating a puppet. They will practise these skills before making their actual puppets.

English

Instructions

Use **Looking After Rabbits (Pet Guides)** to introduce children to writing instructions. Explore features of instructions including bossy verbs. Identify exciting tricky words & discuss how to decode them.

Grammar focus:

Demarcate sentences using capital letters, full stops, question or exclamation marks.

Narrative-wishing tale

Children will read the story 'My penguin Osbert' and use talk for writing actions to retell the story orally. Children will look at features of wishing tales and focus on openings to stories and character

Science

Our pupils will spend this half term becoming real scientists, engineers or mathematicians. They will start by examining existing solutions to everyday problems relative to them. They will interview real people who work in the science, technology and math (STEM) industries. Through research and annotated designs, children will develop their inventions over time. Pupils will focus on the purpose of the solution, e.g. to help others, health benefits, environment etc. and the technology/technologies that could be used such as: transport, internet, entertainment and medical. Pupils will enter their designs into a national competition to have their prototype made.



R.E

This term the children will follow the Come and See Topic- Preparations.

The children will recognise how Advent is a time to prepare for the birth of Jesus. They will retell and describe the different parts of the Christmas story. The children will learn how Jesus comes to us as God's gift because he loves us.



Mathematics

This term the children will learn about multiplication of 2, 5 and 10.

This will include:

- Multiplication as equal groups
- 2 times table
- 5 times table
- 10 times table
- Multiplying by 2, 5 and 10
- Solving word problems

The children will also look at division of 2, 5 and 10.

This will include:

- Grouping
- Sharing
- Dividing by 2
- Dividing by 5
- Dividing by 10
- Multiplication and division
- Solving word problems
- Odd and even numbers

