



Barn Croft Primary School
Spring 2 2023-2024
Year 6 Curriculum Newsletter

Children are expected to read at home daily.
 Practice on Times Tables Rockstars five times weekly.

Open Homework
 Children can complete a piece of writing, research, art, project, comic etc. about any area of their learning this half term and bring it to school to share with their peers.

Maths

Area, perimeter, position and direction
 (Finishing off)
Number - Fractions (including decimals and percentages)
 use common factors to simplify fractions; use common multiples to express fractions in the same denomination
 compare and order fractions, including fractions > 1
 add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
 multiply simple pairs of proper fractions, writing the answer in its simplest form
 divide proper fractions by whole
 associate a fraction with division and calculate decimal fraction
 identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places
 multiply one-digit numbers with up to 2 decimal places by whole numbers
 use written division methods in cases where the answer has up to 2 decimal places
 solve problems which require answers to be rounded to specified degrees of accuracy
 recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
Ratio and proportion
 solve problems involving the relative sizes of 2 quantities where missing values can be found by using integer multiplication and division facts
 solve problems involving the calculation of percentages and the use of percentages for comparison
 solve problems involving similar shapes where the scale factor is known or can be found
 solve problems involving unequal sharing and grouping using knowledge of fractions and multiples



This Term's Whole Class Texts:

The Boy in the Tower

"The Boy in the Tower" by Polly Ho Yen is a compelling novel that blends elements of mystery, fantasy, and adventure. The story revolves around a young boy named Ade who finds himself trapped in a mysterious and ever-expanding tower. As the tower continues to grow and encroach upon the city, Ade, along with his friends and neighbours, must navigate the challenges it presents.

Caged

While a bluebird builds her nest in the forest, two eccentric gentlemen have a more ambitious construction in mind: a vast palatial building, made from birdcages filled with colourful parrots. As the trees come down and the structure goes up, the bluebird watches on. More and more caged birds are consigned to their fate until at last a huge dome completes the work. But when the celebrating architects go in to admire their creation, the little bluebird has another idea.

English

The writing purpose will be to **persuade**. We will write persuasive speeches and persuasive letters using persuasive techniques such as rhetorical questions, exaggeration, superlatives and modal verbs. Whilst writing we will always be thinking about our audience.

Reading

Using our reading skills to answer questions about a text.
Inference - to find meaning that is not made explicit in the text.
Vocabulary - to draw upon knowledge of word meanings in order to understand the text.
Retrieval finding and recording information located in the text.

Science: Circuits, Batteries and Switches

Your child will be learning to:

- Describe the function of key electrical components and explain how the models used in the lesson represent these.
- Correctly predict if an electrical circuit will work or not, explaining why using their knowledge of complete loops, power sources and presence of components.
- Describe the relationship between the number of bulbs in a circuit, the bulb brightness and the amount of resistance.
- Explain that increasing the number of components increases the resistance, affecting the flow of current and energy transferred.
- Identify that batteries are a voltage source; they come in different voltages, affecting bulb brightness.
- Describe that voltage can be changed using different numbers of cells in a circuit and that more cells or a higher voltage causes brighter bulbs.
- Use the relationship between voltage and bulbs to predict what will happen with buzzers and motors.
- Build an electrical circuit with a switch to control its function, explain how the switch and the electrical circuit solve the problem and recall different examples of problems that can be solved using an electrical circuit.
- Draw circuit diagrams with straight lines and using standard circuit symbols.
- Design a results table with an appropriate number of columns and headings with units.
- Identify the changed, measured and control variables in an enquiry to plan a

Religious Education: Buddhism

This Buddhism unit will teach Y6 about key aspects of the Buddhist faith. The children will work creatively to enhance their learning experience. They will find out where Buddhism originated, about special places linked to Buddhism and about key festivals in Buddhist life. The children will also learn about symbols in Buddhism, the Buddhist holy book and the main beliefs held by Buddhists.

PSHE: Making Friends Online

In this unit, children will: list the key applications that we may use now and in the future; know and understand why some applications have age restrictions; identify ways to keep themselves and others safe in a range of situations online and offline and recognise that people may not be who they say they are online.

Computing- Text Adventures:

The aims in this unit are to:

- Find out what a text type adventure is and to explore and example
- Use 2Connect to plan a 'Choose your own Adventure' type story
- Use 2Connect plans for a story adventure to make the adventure using 2Create a Story.
- Read and understand given code for a text adventure game.
- Debug a text adventure.
- Independently design and implement improvements to a text adventure game.

Geography- Population

In this unit, pupils will consider the population density and distribution across the world, including in the United Kingdom, which will support pupils' locational knowledge and their ability to name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics; land-use patterns; as well as understand how some of these aspects have changed over time.

Art: Brave Colour

That as humans we react emotionally to colour. That artists can create immersive environments using colour, light, form and sometimes sound to create a transformative experience for others. That we can use colour in a brave and inventive way, trying new colour combinations and exploring the relationship between colour and form. That we can test ideas, use our imagination, and share our vision with others by creating 2 and 3 dimensional models. **The class will also participate in a printing workshop to enhance this unit of work.**

French: Verbs in a French week

Pupils will learn to:

- Attempt to read new verbs aloud with confidence and mostly accurate pronunciation.
- Create an opinion phrase using one of the new verbs.
- Work together to visually and orally present a verb in at least three different forms, with the appropriate pronoun.
- Work together to build a verb spinner and use it to generate appropriate phrases.
- Recognise and recall different parts of verbs **avoir** and **être**.
- Create an original short text, correctly adapting a range of verbs to their appropriate form.

PE: Football

Football is an invasion game. In this unit pupils develop their understanding of the attacking and defending principles of invasion games. In all games activities, pupils have to think about how they use skills, strategies and tactics to outwit the opposition. In football pupils do this by maintaining possession and moving the ball towards goal to score. Pupils develop their understanding of the importance of fair play and honesty while self-managing games and learning and abiding by key rules, as well as evaluating their own and others' performances.