



**Barn Croft Primary School**  
**Spring 2 2023-2024**  
**Year 5 Curriculum Newsletter**

**Children are expected to read at home daily.**  
**Practice on Times Tables Rockstars three 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.**  
**Due Monday 25<sup>th</sup> March 2024 (optional project)**

**Maths**

**Calculating with decimal fractions**

Explain the effect of multiplying and dividing a number by 10, 100 and 1,000

Explain how to multiply and divide a number by 10, 100 and 1,000

Pupils use their knowledge of multiplication and division by 10/100/1,000 to convert between units of measure

Explain how to use known multiplication facts and unitising to multiply decimal fractions by whole numbers (tenths and hundredths)

Explain the relationship between multiplying by 0.1 dividing by 10 & 100

Explain how to use multiplying by 10 or 100 to multiply one-digit numbers by decimal fractions

Explain how to use multiplying by 10 or 100 to divide decimal fractions by one-digit numbers

**Factors: multiples and primes**

Pupils explain volume, describe units used to measure volume, and calculate volume of a cuboid

Pupils explain what a cube is

Calculate volume to solve problems and calculate volume of compound shapes

Explain commutative and distributive laws when multiplying three or more numbers

Explain the reasons for changing two-factor multiplication calculations to three-factor multiplication

Explain factor and arrays

Explain square numbers using factors

Identify a prime number or a composite number

Common factors and prime factors of a number

Use knowledge of properties of number to solve problems in a range of contexts

**This Term's Whole Class Text: Wolf Brother**

“Wolf Brother” by Michelle Paver is an exhilarating adventure set in prehistoric Europe. The story revolves around Torak, a young boy who loses his father to a malevolent bear. Alone and grieving, Torak discovers a wolf cub, whom he names Wolf. Together, they form an inseparable bond and embark on a journey to fulfill an ancient prophecy and defeat the evil that threatens their world.

As Torak and Wolf journey through the wilderness, they encounter various tribes, both friendly and hostile, and navigate through treacherous landscapes filled with danger and mystery. Along the way, they unravel secrets about their world and themselves, confronting mythical creatures and ancient spirits.

**English**

Write a setting  
Cohesion between paragraphs  
Punctuation of bullet points  
Semi-colons  
Parenthesis

**Reading**

Understanding unfamiliar words  
Predicting  
Inference  
True or false statements  
Impressions

**Science**

**Life cycles and reproduction**

Describe the life cycle of a plant, including the reproductive stage.

Describe the life cycle of a mammal.

Describe the life cycle of a bird and compare it with that of a mammal.

Describe the life cycle of an amphibian.

Describe the life cycle of an insect and compare it with that of an amphibian.

Describe asexual reproduction in plants.

When working scientifically, pupils who are secure will be able to:

Observe and compare equivalent parts in different flowers.

Research the life cycles of different mammals.

Pose questions to compare the life cycles of different birds.

Suggest how one temperature may affect egg hatching.

Use data to describe a relationship and make predictions.

Represent root growth over time on a line graph.

### **Religious Education**

#### **Christianity**

To understand special journeys Christians might take and why.

Who undertakes these journeys.

Children understand that the Christian religion connects people all over the world and that the Church is a fellowship with outreach for different parts of the community. They will learn and understand what pilgrimage is and why this is important to Christians.

### **PSHE/RHE**

#### **Feelings and emotions – Anger and Adults' & Children's Views**

Recognise that everyone experiences emotions and that these can have physical effects on our body, both pleasant and unpleasant

Explain how feelings can be communicated with or without words

Recognise that we can choose how we act on our emotions and that our choices and actions can affect ourselves and other people

Demonstrate a range of strategies to help control and manage unpleasant/ uncomfortable emotions, such as anger

### **Computing** **Databases**

To learn how to search for information in a database.

To enter information into a database.

To add records to a database.

To know what a database field is and correctly add field information.

Understand how to word questions so they can be effectively answered using a search of their database.

To contribute to a class database.

To create a database around a chosen topic.

### **Humanities: Geography**

#### **Biomes**

What are the Earth's biomes?

Why are biomes where they are?

Why are biomes under threat?

What are the features of your favourite biome?

How can we persuade people to protect biomes?

Plan, draft, edit and publish an extended report from their learning - How much do you agree with the following statement? 'It is already too late to protect biomes from climate change.'

### **Creative Design: D&T**

#### **Mechanical systems – making a pop-up book**

Produce a suitable plan for each page of their book.

Produce the structure of the book.

Assemble the components necessary for all their structures/mechanisms.

Hide the mechanical elements with more layers using spacers where needed.

Use a range of mechanisms and structures to illustrate their story and make it interactive for the users.

Use appropriate materials and captions to illustrate the story.

### **French**

#### **Portraits – describing in French**

Understand that adjectives change depending on whether they are describing a boy or girl, for example: sérieux and sérieuse.

Identify a person correctly from a description of their hair and eye colour.

Place word cards in the correct order, with the adjectives following the noun.

Compose a spoken sentence to describe a friend.

Write four sentences accurately with the correct adjectival agreement, helped by a support sheet.

### **PE**

#### **Basketball**

Basketball 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 basketball 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.