### Scavengers and Settlers (5 weeks)
The children will learn to:

#### English
- Compose and rehearse sentences orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures.
- Use and punctuate direct speech within narrative.
- Use a range of fronted adverbials, correctly punctuating with a comma.
- Discuss words and phrases that capture the reader’s interest and imagination.
- Use further prefixes and suffixes and understand how to add them.
- Propose changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences.
- 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.
- Identify main ideas drawn from more than one paragraph and summarise these.
- Ask questions to improve their understanding of a text.
- Proof read for spelling and punctuation errors.

#### Maths
- Recognise factor pairs.
- Multiply using formal written method.
- Understand the inverse.
- Divide using formal written method.
- Calculate area of rectilinear shapes.
- Recognise and show families of common equivalent fractions.

#### History
- Identify the main characteristics of people and cultures that existed during the Stone Age, Bronze Age and Iron Age.
- Explain how fossils are formed.
- Understand that we can learn about the past using different sources.
- Gather evidence from simple sources.

### Scavengers and Settlers cont. (5 weeks)
The children will learn to:

#### P.E/ Games:
- Dance, travelling across the space.
- Choreograph a pattern of movements inspired by Stone Age characterisation.
- Sequence applying both cannon and synchronised movement.

#### Gymnastics:
- Focus on core strength.
- Combine two balances using the beam.

#### Games:
- Work as a team.
- Make contact with the ball.
- Hit targets inside the goal.

#### Art
- Choose materials and techniques, which are suitable for creating cave paintings.
- Experiment using different lines with charcoal.
- Evaluate pieces of art and suggest improvements for their own pieces of art.

#### Music
- Explore musical devices and solve musical problems using their own melodies and rhythms carollers.

#### RE
- Explore a variety of current Christian worship styles and formats drawn from differing cultural contexts.
- Find the common beliefs and stories expressed in such rituals, music, and images/artefacts.

### Important Dates:
- Term starts: Monday 6th January
- Swimming: Monday 13th January
- Safer Internet Day: Tuesday 11th February
- Half term: Monday 17th to Friday 21st February
- Inset Day: Monday 24th February
- Whole School Photo: Wednesday 4th March
- Parent’s evenings: Tues 10th and Thurs 12th March
- Class Photos: Wednesdays 18th March
- Easter Performance: 9:15am (dress rehearsal) and 2pm Monday 30th March, 9.15am and 5:30 Tuesday 31st March
- End of Term: Friday 3rd April at 1:15pm

### Suggestions for ways to support at home:

**Websites:**
http://www.bbc.co.uk/education/topics/z82hsbk

**Suggested Visit:** Butser Ancient Farm

**Key Vocabulary:** Mammoth, fur pelt, jewellery, house, tools, weapons, stones, antler, cave paintings.
Our second topic is **Shake it up** (4 weeks)

We are learning to:

**English:**
- Choose words or phrases showing awareness of the reader.
- Use imaginative ideas to entertain, adding description through adjectives and adverbs.
- Use a variety of conjunctions and a range of punctuation.
- Recognise some different forms of poetry.
- Use the diagonal and horizontal strokes that are needed to join letters and understand which letters are best left un-joined.

**Maths:**
- Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by ten.
- Solve problems involving increasingly harder fractions to calculate quantities, and fraction to divide quantities, including non-unit fractions where the answer is a whole number.
- Add and subtract fractions with the same denominator.

**Science:**
- Carry out simple investigations.
- Prepare a simple investigation, which is fair with one changing factor.
- Predict the outcome of investigations.
- Test ideas using evidence from observation and measurement.
- Use evidence to draw conclusions.
- Explain their observations and findings.
- Understand reversible and irreversible changes.

**Design and Technology:**
- Design and make products to meet specific needs.
- Make usable plans.
- Use simple tools and equipment with some accuracy.
- Identify and implement improvements to their designs and products.

**Reminders!**
- PE lessons this term will be on Mondays and Wednesdays. We would like to remind you that the children should all have a separate white t-shirt for P.E. (without a collar) as well as red shorts and plimsolls. Trainers and the school tracksuit for outside games lessons as detailed on the web-page.
  [https://www.barnsbury.surrey.sch.uk/uniform/](https://www.barnsbury.surrey.sch.uk/uniform/)

**Science and Technology Week**

Science and Technology Week promises to be an exciting week in which our children will focus on how data can be used in science to share results and draw conclusions. They will plan and carry out their own investigations, and then record their data in a variety of ways including using tables, bar charts and time graphs. It’s a brilliant chance for our children to use their mathematical skills through stimulating, practical science. In Year 4 we will be learning how to make an electrical circuit, which materials allow electricity to pass through them, what happens when we change a circuit and how to keep safe around electricity.

We are learning to:

**Science:**
- Identify common appliances that run on electricity.
- Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.
- Identify if a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.
- Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.
- Recognise some common conductors and insulators, and associate metals with being good conductors.

**Design and Technology:**
- Design and make products to meet specific needs.
- Make usable plans.
- Use simple tools and equipment with some accuracy.
- Identify and implement improvements to their designs and products.

**Suggestions for ways to support at home:**

**Websites:**
[http://www.primaryhomeworkhelp.co.uk/revision/Science/changingmaterials.htm#2](http://www.primaryhomeworkhelp.co.uk/revision/Science/changingmaterials.htm#2)

**Suggested Visit:** Science Museum, London

**Key Vocabulary:** solid, liquid, gas, molecules, expand, reversible, irreversible, insoluble, melting, particles, solidify, solution.

**Values and Life Skills**

In the first half term the children will explore and understand the value of **Cooperation**. In the second half of the term the value the children will learn about will be **Happiness**.