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Year 6 Autumn 1

The Battle of Britain



Science – Electricity

Pupils should be taught to:

- associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
- compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches
- use recognised symbols when representing a simple circuit in a diagram

Building on their work in year 4, pupils will construct simple series circuits, to help them to answer questions about what happens when they try different components, for example, switches, bulbs, buzzers and motors. They will learn how to represent a simple circuit in a diagram using recognised symbols.

Pupils will work scientifically by: systematically identifying the effect of changing one component at a time in a circuit; designing and making a simple buzzer game.

SMSC

What would life be like without electricity?

What is the cost to the planet of using so much electricity?

English-Writing

Alice's adventures in Wonderland

We shall be using extracts from Alice's adventures in Wonderland to develop settings and plot more coherently. We will also be looking at building vocabulary and humour into our writing.

Thriller writing

Pupils will study techniques used to keep readers on the edge of the seats and create their own short thriller stories based on some other stories that build suspense.

Biographies

Our non-fiction topic this half term will be looking at writing biographies and will link to our topic as we explore the lives of some of pilots in the Battle of Britain.

War horse

We will focus on the book war horse with a strong link to our history topic. Children will have the opportunity to write many different text types.

Grammar, punctuation and spelling

- Identify and categorise nouns into concrete, abstract, common, proper and collective.
- Phrases and clauses and different sentence structures.
- Modal verbs
- Relative clauses

Spellings this term will focus on the Year 3/4 and Year 5/6 spelling list. Those children that are ready to move on from the list will be given additional spellings based on the spelling rules outlined in the Year 6 curriculum.

History – The Battle of Britain

We shall be investigating a major turning point in the Second World War that occurred over the skies of Britain in 1940.

Key questions:

Why was the opening of WW2 known as 'The Phoney War'?

Why is the retreat at Dunkirk considered by some to be a victory?

What did Germany need to ensure a successful invasion of Britain?

What factors helped Britain win the Battle of Britain?

SMSC

Should there be rules in war? Who gets to decide what they are?

What might have happened if Britain lost?

Art/DT

We will be linking DT and our science topic on circuits together to design and make some simple electronic buzzer games this half-term.

Maths

Number

- Place value- multiplying and dividing by 10, 100 and 1000, rounding, negative numbers and ordering numbers.
- Calculations – short/long multiplication and division, written method (addition, subtraction, multiplication and division).

Fractions

Pupils will be able to:

- Add and subtract fractions or mixed numbers
- Multiply fractions
- Divide fraction by whole numbers
- Solve word problems on fractions
- Interpret the division of a whole number by a proper fraction
- Interpret the division of a proper fraction by another proper fraction
- Find a quotient by multiplying the dividend by the reciprocal of the divisor

Percentages

Pupils will be able to:

- Express a fraction or decimal as a percentage and vice versa
- Find the whole given a part and the percentage
- Find a part given the whole and the percentage
- Solve word problems using model drawing and the unitary method
- Calculate percentage increases and decreases

Ratio

Pupils will be able to:

- Write the ratio of one quantity to another in terms of the actual number and number of groups
- Express one quantity as a fraction of another given quantity
- Solve ratio word problems

RE- prophecy in Islam

Our RE this half-term will focus on prophets in Islam, the life of Muhammad and the 'straight path' that Muslims believe they should follow. Pupils will explore the similarities between prophets in Islam and Christianity and discover why Muhammad is known as the 'Seal of the prophets'.

SMSC/Big questions

Why are Abrahamic religions so similar?

Should we always forgive those that have wronged us?

Is it ever meaningless to apologise?