

# Bright Sparks - Year 4

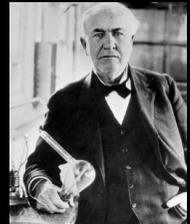
# Bright Sparks

## Areas of Learning

### Science

As Scientists we will learn about Electricity. We will:

- Explain the journey electricity travels on to reach our homes
- Discover how to be safe around electricity
- Identify what is powered by electricity
- Construct simple circuits and use our problem solving skills to work out which circuits will work
- Identify how a switch works in a circuit
- Identify insulators and conductors and use this to make our own switches



### Learning Skills

This half term, we will **CAPTURE** our learning by persevering. We will:

- develop stuck strategies
- continue to have a go, keep trying and view mistakes as learning opportunities.
- be committed to success
- sustain concentration to complete our targets



### PSHE

Our focus will be **Conflict Resolution and Anti-Bullying**: We will:

- be able to recognize that bullying can take place online
- give examples of situations that could lead to someone choosing to bully
- understand why we are all affected by conflict
- explain the choices we have in a moment of conflict and how our actions can escalate or deescalate a situation
- develop a bank of strategies for resolving different types of conflict

### Wray Common Citizens

As Wray Common Citizens we will be challenging ourselves to think before we act to ensure we uphold the behavioural expectations at Wray Common and to avoid unnecessary hurt and damage to our relationships. We will be exploring how peer pressure - including online - can negatively impact on our behaviour and be a barrier to positive relationships – and recognise that we all have a responsibility to stand up for what is right. As Dumbledere said, "There are all kinds of courage. It takes a great deal of bravery to stand up to our enemies, but just as much to stand up to our friends." With this as our mantra, we will develop strategies to support us in achieving this. We will also develop our understanding of how unconscious bias can affect our thoughts and actions. Threading through our work, we will be exploring the protective and restorative values of

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## Key Skills

### English

As writers, we will:

- Understand how to create a mood and tension in our writing by choosing particular words, phrases and sentence types, using our planning skills to prepare
- Continue to focus on starting our sentences in different ways, including using adverbials
- Refine our use of punctuation
- Using cause and effect conjunctions correctly to write explanation texts
- Add detail to our writing by using noun phrases

### Maths

As mathematicians, we will:

- Consolidate last half term's knowledge of number, addition and subtraction written methods.
- Extend our multiplication and related division fact knowledge
- Refine and develop multiplication and division calculation strategies
- Apply multiplication and division knowledge to solve word Problems including the use of the bar model method

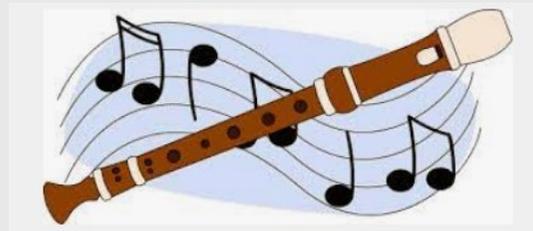
### PE

In Gymnastics we will develop flexibility, strength, technique control and balance in rolling, compare performances and improve and compete when performing.

In Swimming, we will be developing our confidence and swimming skills from last half term.

### Music

- In Music, we will be learning to play the recorder.
- We will develop an understanding of musical notation as we learn to play our instruments.
- We will focus on correct technique and posture when playing the recorder and will develop fluency, control and expression through our playing.
- We will learn to play a range of pieces to perform in an ensemble context and in front of an audience.



### RE

In RE, we will understand how artists can help us understand Christmas by describing and explaining the meanings behind the symbolisms being used. We will learn about the Christian belief about Jesus being God 'incarnate'.

### Computing

In Computing we will:

- Create a survey to collect data
- Collect data in a spreadsheet
- Present data using tools on Microsoft Excel
- Analyse the data we have collected

### DT

- We will design and make a torch with a working electrical circuit
- We will make our torches using a step by step plan, reflecting on our designs as the product develops
- We will evaluate our torches, explaining what went well and what could be improved