

Year 3—Bright Sparks

Spring 2

In Science the children will learn:

- To be able to carry out simple investigations
- To prepare a simple investigation which are fair, with one changing factor
- To predict the outcome of investigations
- To use simple scientific equipment
- To test ideas using evidence from observation and measurement
- To link evidence to broader scientific knowledge and understanding
- To use evidence to draw conclusions
- To gather information from simple texts
- To understand the importance of collecting scientific evidence
- To understand some of the effects of what they learn on people's lives
- That some materials conduct electricity
- That some materials conduct heat more effectively than others
- To compare common materials and objects according to their properties
- That different materials are suited for different purposes
- About the principles of magnetic and non magnetic materials
- To construct electrical circuits to make devices work
- To change the type or number of components in a circuit to have a different effect
- That forces can have direction
- That forces differ in size
- About the effects of friction
- That light travels from a source

In Technology the children will learn:

- That the way in which products in everyday use are designed and made affects their usefulness
- To design and make products to meet specific needs
- To make usable plans
- To make and use labelled sketches as designs
- To use simple tools and equipment with some accuracy
- To identify the ways in which products in everyday use meet specific needs

In PSHE the children will be focussing on:

- Talking and writing about their opinions, and explain their views, on issues that affect themselves and society
- Recognising their worth as individuals, by identifying positive things about themselves and their achievements, seeing their mistakes, making amendments and setting personal goals
- Reflecting on spiritual, moral, social and cultural issues, using imagination to understand other people's experiences
- Actions that affect themselves and others, caring about other people's feelings and trying to see things from their point of view

In History the children will learn:

- How to give some reasons for particular events and changes
- To gather information from simple sources
- To use their knowledge and understanding to answer simple questions about the past and about changes

In French the children will be learning to:

- Name and use the letters in the French alphabet
- Learn to use and respond to French phrases
- Hold a short conversation between two people
- Count to 20 and onwards

In ICT the children will learn:

- About presentation skills
- How to create slides and animate them
- How to add themes and backgrounds to slides to create interesting presentations
- How to build and present PowerPoint presentations based on our topic

In RE the children will be focussing on:

- What the main religions teach about the natural world and why we should care about it
- How different religions try to explain how the world was created

In Maths the children will learn to:

- Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental methods and progressing to formal written methods
- Add and subtract numbers mentally, including; a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
- Solve problems including more complex addition and subtraction
- Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including two-digit numbers times one-digit numbers, using mental methods
- Solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables
- Interpret and present data using bar charts, pictograms and tables
- Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
- Identify right angles, recognise that two right angles make a half turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle

In English the children will be:

- Organising ideas using headings and subheadings in non-chronological reports
- Creating settings, characters and plot
- Using pronouns to avoid repetition of nouns
- Using inverted commas
- Using conjunctions (when, if, because, although)
- Learning about biographies, recounts and diary entries

In Music the children will be:

- Continuing with sing up lessons looking at how tone, pitch and volume can be used to create interesting songs

In PE the children will be learning:

- About racquet sports
- How to show control of a range of movements
- How to pass the ball accurately and find space in a game
- Hit a ball with a range of bats