



# Year 4 Summer term

## Heroes and Heroines

Our Heroes and Heroines unit starts by taking the children back in time to the invention of electricity. To give another layer to the children's learning we will also visit The Think Tank in Birmingham. This will allow the children to further develop their scientific knowledge and hopefully inspire a future generation of male and female scientists. The unit is called Heroes and Heroines because the children will be studying some of the most iconic people of the past ranging from scientists, writers, musicians and artists. There is a focus on women who changed the world and how and why they did this. Who knows, the children may end the unit being inspired to be the next William Shakespeare or Emmeline Pankhurst!

### Science

#### Electricity

- I can explain and use vocabulary relating to electricity
- **I can identify common appliances that run on electricity**
- I can construct a simple series circuit and name the components
- I can identify whether a lamp will light in a simple series circuit
- I can identify common electrical conductors and insulators
- I can recognise that a switch opens and closes a circuit

#### Animals including humans

- I can describe what happens to food and drink inside my body
- I can identify the different parts of the digestive system (including: mouth, oesophagus, stomach and intestines)
- I can describe the simple function of the basic parts of the digestive system (including: mouth, oesophagus, stomach and intestines)

### History

- I can explain how our knowledge of the past is constructed by using a range of different sources
- I can identify significant women throughout history
- I can explain the impact the significant women had

### Computing

- I can plan and organise how to present information
- I can use efficient search methods to find information
- I can evaluate a website for its usefulness
- I can present my information clearly and accurately (considering titles, font, background colour, effects etc)
- I can copy and paste pictures between applications
- I can add audio to the transitions in my presentation
- I can explain what copyright is
- I can reference accurately the owner of any material used from the internet

### Design and Technology (STEM week)

- I understand what a mechanical system is (e.g. propeller of a plane)
- I can explore different design features and discuss why I chose the one I did
- I can work safely using tools and equipment
- I can continuously evaluate my own work using the design brief to help me
- I can evaluate other people's work using the design brief to help me
- I can make improvements to my plane using my own and others critique

### British Values

- I can talk about respect and what this means
- I can talk about tolerance and what this means.
- I can talk about courage and what this means



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### Art and design

- I can learn about different artists throughout history and find what they took their inspiration from.
- I can extend my painting skills by learning new techniques
- I can use process art for making a mixed media paper collage composition
- I can learn the key features of different art movements and begin to sort artworks by style.
- I can be inspired by Georgia O'Keeffe, Claude Monet and Roy Lichtenstein

### Languages

- I can say how I travel somewhere.
- I can name some key countries of the target language.
- I can give information in short simple sentences – both spoken and written.
- I can say what I wear when it's a certain type of weather.
- I can translate short simple sentences.
- I can name some family members and give information about them.
- I can use some basic conjunctions and prepositions.

### Science through music

#### SCIENCE - SOUND

- I can, with support, explain what a vibration is
- I can explain that sound starts with a vibration
- I can sometimes explain how sound is made
- I can identify and name parts of the ear and explain the job they do, with a degree of confidence
- I can, with a little support, explain how sound travels

### Music

#### GLOCKENSPIELS (1)

- I can, with support, use musical sounds creatively by changing, organising and controlling them in composition.
- I can, with support, use standard musical notation of crotchet, minim and semibreve to indicate how many beats to play.
- I can, with a degree of confidence, read the musical stave and can work out the notes, EGBDF

#### AFRICAN DRUMMING WORKSHOP:

- I can, with a little support, follow and copy simple drumming rhythms
- I can demonstrate excellent listening skills and be aware of others and myself as a performer
- I can enthusiastically participate in my 'African drumming' workshop and combine drumming patterns, culminating in a whole year group performance