

Hobbit Class

Learning  
Adventure

Autumn Term 1  
2016

# Mad Scientists and Monstrous Inventions



**Rationale:** During this learning adventure children will be learning to look at the world scientifically. They will explore scientific knowledge (materials and their properties, electricity and light) and look at the possibilities that developments in science open up. As part of this we will explore when the worlds of science and fiction meet; and how scientific advancements have been inspiring writers. We will use this to inspire ourselves to write horror stories. We will also independently use our scientific skills to build a scientific gadget.

## **Independent:**

- ⇒ I am prepared to have a go
- ⇒ I am happy to try something new
- ⇒ I can use what I already know to help me solve a problem
- ⇒ I can organise my own learning, time and energy to get all my jobs done on time
- ⇒ I keep going, even when things are tough
- ⇒ I take responsibility for my learning
- ⇒ I know what resources there are
- ⇒ I can use the right resources for the job

## **Curious:**

- ⇒ I can explore, experience and make a mess
- ⇒ I can see that my first idea won't always be my best idea
- ⇒ I keep going to find an answer
- ⇒ I can express myself through a range of media
- ⇒ I can take risks and learn from them
- ⇒ I can ask questions

**PSHE:** The Children will be learning that messages in food adverts can be misleading, they will be able to compare the health benefits of a food or drink product in comparison with an advertising campaign and discuss how the media portray celebrities, and be able to explain why we need to be cautious about things we see, hear or read about in the media.

**Maths:** During this half-term children will be learning about place value and using their knowledge of place value to help them with mental maths. Children will also be learning written forms of addition, subtraction, multiplication and division.

**English:** In the first part of this half term children will be learning to write scientific instruction texts. They will then be using an adaptation of Frankenstein by Mary Shelly to inspire them writing a mad science horror story. To prepare them to write this, children will create a poem exploring the symbolism and rich language in the text. There will also be a greater focus on Reading for pleasure

**Science:** Children will be learning about classifying materials by their properties, such as magnetism or heat conductivity; studying electricity and how to build circuits and how light travels in straight lines. They will focus on thinking scientifically; posing scientific questions and conducting experiments to answer them.

**PE:** This term children will be working on PE multi skills with the PE coach. They will be practising their netball skills also.

**Art/ Design Technology:** Children will be exploring 'The Scream' Edvard Munch and will be experimenting with a variety of mediums to create scary pictures.

**What you can do to help your child's learning:** This learning adventure is about encouraging children to explore scientific knowledge and inventions. To support your child at home you could: Take your child to a science museum, encourage them to read a book about science, for example the Horrible Science books and keep up to date with science news. Your child will be taking part in an ongoing maths fluency challenges over this term, support and encourage them to practise their multiplication knowledge daily in order for this to be effective.