

### DT

The children will design and create their own gift box. To be able to do this, they will first investigate current gift boxes by disassembling and looking at the net. They will practise making their own nets before making their design and evaluating it.

### RE

This term, the children will know how Christian worship and practice can build a sense of community. Along with how Christian belief is expressed collectively. They will discover whether Christian practices impact (positively and negatively) on the natural world.

### PE

The children will work on developing simple tactics for attacking and defending within team games. This half term, they will be playing hockey.

For adventurous outdoor activities, the children will participate in orienteering. They will learn to communicate, collaborate and compete with each other.

### Physical, Social, Emotional Health and Well Being

Children will learn how to keep themselves safe from particular things and ways in which to stay healthy. This topic looks at diet, exercise, substances and attitudes towards these.

They will also learn who to go to for help if they feel unsafe or unwell.

### What we are learning:

The topic for this term is 'Cracking Ideas'. The driving subject is science. The children will learn how electricity is generated and investigate light sources.

### Key Vocabulary

circuit, battery, cell, conductor, insulator, buzzer, motor, wire, socket, appliances, mains, switch.  
Light source, reflect, reflection, reflective, ray, shadow, opaque, translucent, transparent

### Key Skills - English

In English, your child will be reading *The Iron Man*. During this topic, the children will be developing a range of reading and writing skills. They will have the opportunity to write a newspaper report and a sequel to the original story.

Your child will develop their comprehension skills and be able to discuss and answer a range of questions in relation to their text.

### Science

Your child will learn to understand what light and dark are; this includes finding out how shadows are formed.

The children will then investigate what electricity is and construct circuits that include switches and buzzers.

### Music

This half term, all the learning is focused around one song: *Lean On Me*. The material presents an integrated approach to music looking at pulse, rhythm, pitch, singing and playing instruments.

### Home Learning Opportunities

Home reading is essential to developing your child's reading. Reading Plus can help do this. Please encourage your child to take part in the 10 minutes a day reading challenge.

Also, use TT Rockstars to practise times tables.  
Thank you for your ongoing support.

### French

Each child will listen attentively to spoken language and show understanding by joining in and responding. The focus will be on listening to and understanding nursery rhymes.

# Cracking Ideas

How have scientific 'cracking ideas' changed the world?

## Lower Key Stage 2

### Maths

In Year 3, children will be working on fractions. This involves counting up and down in tenths, recognising unit fractions and non-unit fractions and being able to add and subtract fractions with the same denominator. The children will learn how to solve problems that involve using this new learning.

In Year 4, children will work with fractions and decimals. They will learn to recognise and write decimal equivalents of any number of tenths or hundredths. The children will be taught to recognise and show, using diagrams, families of common equivalent fractions.