

## English

### Writing

Explanation Texts – Wallace and Gromit  
Cracking Contraptions  
Persuasive speech

### Grammar, Spelling and Vocabulary

Expanded noun phrases  
Adverbial phrases  
Relative clauses  
Conjunctions to link ideas (cohesion)  
Passive Voice

### Reading

Class reader – Clockwork (Philip Pullman)

## Art/DT

- research and design a mechanical product
- evaluate and assess product against design criteria and suggest how to make improvements
- understand and use mechanical systems in their products

## Maths

### Fractions

- compare and order fractions whose denominators are all multiples of the same number
- recognise mixed numbers and improper fractions and convert from one form to the other
- read and write decimal numbers as fractions [for example,  $0.71 = \frac{71}{100}$ ]
- recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- recognise the per cent symbol (%) and understand that per cent relates to “number of parts per hundred”, and write percentages as a fraction with denominator 100, and as a decimal
- identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths.

## Cracking Contraptions Maple Topic Web

## Science

### Forces

- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

## Computing

- understand computing networks including the internet
- use a variety of software to produce content that accomplishes given goals

## History/Geography

- understand how key events and individuals in design and technology have helped shape the world
- make links between some of the features of past societies (e.g. houses, technology)
- understand that a timeline can be divided into BC and AD
- order significant events, movements and dates on a timeline.

## RE and PSHE

### Lent

### Holy Week

### PSHE

- developing resilience

### Gospel Value Focus

- w.b 24/2 – Justice
- w.b 2/3 – Respect
- w.b 9/3 – Compassion
- w.b 16/3 – Peace
- w.b 23/3 – Forgiveness

P.E. and music will continue to be taught by specialist teachers (Mrs Turner and Mrs Nelmes).