

## Maths

### Number – Number and place value

Read, write, order and comparing numbers up to 10,000,000; determine values of digits; rounding numbers; using negative numbers in context; solving problems

### Number – Addition, subtraction, multiplication and division

Use formal methods to solve problems; perform mental calculations; identify common factors, common multiples and prime numbers; solve multi-step problems in context; use estimation to check answers

### Number: Fractions (including decimals)

Use common factors to simplify fractions; use common multiples to express fractions in the same denomination; compare and order fractions; add and subtract fractions with different denominators and mixed numbers

### Measurement

Solve problems involving converting units of measure; calculate areas of shapes

### Geometry

Name parts of a circle; recognise angles and find missing angles

### Statistics

Interpret and construct pie charts and line graphs; calculate and interpret the mean as an average

## Art (Mrs Yandell and Mrs Davies)

- Viking Celtic knots
- Viking life covered in various media including clay, drawing and threads
- Christmas craft activities

## PSHE - New beginnings and getting on and falling out (linked to whole school SEAL project)

- Introductions (meeting YR buddies)
- Good communication
- Body language

## Topic/History – The Vikings are Coming!

- Who were the Vikings and where did they live?
- Viking raids and invasions
- Viking settlements
- Resistance by Alfred the Great
- Danelaw
- Viking Longships
- Edward the Confessor
- Link with PlayWood sessions

## Science

Asking questions, making predictions/hypothesising, observing, researching, small group work.

### Electricity

- Identifying symbols used in circuit diagrams
- Building circuits
- Comparing and giving reasons for variations in how components function e.g. brightness of bulb, loudness of buzzers
- Link with DT to design own robots using electrical components

### Animals, including humans

- Identify and name main parts of human circulatory system and describe functions
- Recognise the impact of diet, exercise, drugs and lifestyle
- Describe the way in which nutrients and water are transported within animals, including humans
- Link with PE

**Investigations** – understanding the need for fair testing



## R.E.

- Harvest and Christmas celebrations
- Big questions: what do people believe about life? What makes us happy?

## French

- Writing to penpals
- Reading and responding to stories in French

## Geography

- Geographical skills and fieldwork:
- Grid co-ordinates and using eight points of a compass

## News in the World

## Literacy (Link with Topic/Science)

### Fiction genres

### Significant authors

### Report, explanation and recount

### Instruction writing

### Poetic style

### Spelling, Punctuation and Grammar

- **Spellings** Units focus on plurals, prefixes and suffixes,
- **Grammar and punctuation** – speech, apostrophes, commas, semi-colons, classification of words, adverbials

## Computing and E-safety

- Internet research for topic work
- Communication – monitoring change, spreadsheets
- Data handling
- Coding and programming (Scratch/Kodu projects)
- Mathematics
- How to stay safe online and protecting personal information; making good choices about sharing information

## P.E.

- Invasion games – basketball, netball, football
- Taekwondo

*Link with Science topic*

## Music

- Exploring rhythm, pulse and pitch
- Notation (unit based on song 'I'll be there' – listening and appraising, improvising and composing)
- Singing for Bath Schools' Carol Service
- Harvest and Christmas songs

### Useful websites

- <http://www.bbc.co.uk/schools/ks2bitesize/> (Literacy, Maths and Science revision activities)
- [www.bbc.co.uk/schools/typing/](http://www.bbc.co.uk/schools/typing/) (typing activity)
- <http://www.woodlands-junior.kent.sch.uk/>  
(student pages/homework help tabs – some helpful resources for most subjects)
- <http://kids.nationalgeographic.co.uk/kids/>
- <http://www.nationalgeographic.com/>
- <http://www.firstnews.co.uk/>
- <https://scratch.mit.edu/>
- <https://uk.code.org/>