



# Emmer Green Primary School Termly Curriculum Overview

**Year 5 Autumn 2024**

## Topic—History / Geography

### Native Americans

- Way of life and culture
- Features of settlements
- Art
- Communication
- Naming traditions



### Earth Studies

- Use maps to locate countries, counties and cities of UK
- Identifying human and physical characteristics and topographical features
- Locating the world's countries and oceans and understanding plate tectonics, including earthquakes and volcanoes
- Understanding time zones, climate zones, biomes and vegetation belts

## Science

### Earth and Space

- The Solar System
- Phases of the Moon
- Movement of the Earth, Sun and Moon



### Forces

- Identify forces as pushes and pulls gravity as a force that pulls objects down
- Explore Isaac Newton's discoveries
- Explain the effects of friction, including air and water resistance, on moving objects
- Identify different mechanisms
- Recognise that there are different variables in an investigation

## English

### Text Genres:

- Poetry
- Fantasy Literature
- Performance Poetry
- Comprehension
- Diary Entry
- Information leaflet
- Narrative - Significant author study: Kate DiCamillo & J K Rowling

### Grammar:

- Conjunctions
- Punctuation " ", ... ( ) -
- Possessive apostrophes
- Modal verbs
- Adverbial phrases
- Relative clauses and pronouns

### You can help your child by:

Regularly reading, learning weekly spellings and helping with homework

### Useful Websites:

- [http://www.bbc.co.uk/schools/websites/4\\_11/](http://www.bbc.co.uk/schools/websites/4_11/)
- <http://resources.woodlands.kent.sch.uk/>

**SAVE THE DATE!**  
**Wednesday 27<sup>th</sup> November 2024**  
**Y5 Trip - Warner Bros. Harry Potter Studio Tour**

## Mathematics

- Order and compare numbers to at least 1,000,000
- Round numbers up to 1,000,000 to the nearest 10/100/1000/10,000 and 100,000
- Read Roman numerals to 1000 (M) and recognise years written in Roman numerals
- add and subtract whole numbers with more than 4 digits, using formal and mental methods and solve addition and subtraction multi-step problems
- use rounding to check answers
- identify multiples and factors
- use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
- multiply and divide numbers mentally and recognise and use square numbers and cube numbers
- multiply and divide numbers up to 4 digits using the formal written methods and solve problems
- measure and calculate the perimeter of rectilinear shapes
- calculate and compare the area of rectangles
- compare and order fractions and find equivalent fractions
- recognise mixed numbers and improper fractions
- add and subtract fractions

### You can help your child by:

Learning times tables to 12 x 12 and encouraging the use of Mathematics

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#### Computing

- Develop understanding of computer systems - data transfer, scalability, safety of real-world systems including search engines & safe usage
- Using digital tools to understand and create vector drawings

#### Music

##### Native American Music

- Native American music and instruments

##### Journey into Space

- Create a piece of music about Space, learn about Sound Clusters and use 2compose to explore combining sounds

#### Physical Education

##### Outdoor PE

- Golf
- Frisbee
- Football
- Cross country

##### Indoor PE

- Dance

#### Religious Education

- How do religious leaders and sacred texts contribute to believers' understanding of their faith? - through *Sikhism* and *Christianity*

#### Design Technology

- Moving toys with cam mechanisms

#### Art

##### Drawing and Mark Making

- Understanding the importance of line work in art
- Using continuous line drawing in observational sketch work

##### Working with Colour

- Exploring complimentary, contrasting and harmonic colours



#### Personal, Social, Health and Economic (PSHE) Education

##### Being Me

- Rights and responsibilities
- Group behaviour

##### Celebrating Difference

- Enjoying and respecting other cultures and understanding racism

##### Dreams and Goals

- Future dreams and how to get there

##### Economic Wellbeing

- Understanding the value of a fulfilling career

#### Modern Foreign Language (French)

##### Do you Have a Pet?

- To learn pet nouns and matching gender articles for pets, use of *j'ai*
- To learn how to use the negative *je n'ai pas* and the connective *mais*

##### What is the Date?

- To learn the months in French
- To learn how to say the date in French
- To learn how to say their birthday