

## Science

### What are the properties and uses of a range of materials?

- To compare and group materials based on properties.
- To know that some materials will dissolve and form a solution and how to recover them.
- To understand how mixtures might be separated.
- Give uses for the uses of everyday materials based on evidence, e.g. fair test.
- To demonstrate that dissolving, mixing and changes of state are reversible.
- To explain that some changes create new materials.

### ICT How can I create a code for a repeated pattern?

- I can use simple coding to create repeated patterns involving stamping and drawing shapes
- To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content.

## French

- To listen attentively to instructions and show understanding by joining in and responding.
- To recall the names of common items of food and drink.

## Numeracy

- To read, write, order and compare numbers up to 1,000,000 including negative numbers and Roman numerals.
- To add and subtract numbers with up to 6 digits using mental calculations and formal written methods, including problem-solving.
- To know 2, 3, 4, 5, 6, 7, 8, 9 and 10 times tables and their associated facts and be able to recall them quickly.
- To use formal written methods for multiplication and division and apply to problems.
- To tell time to the nearest minute using analogue, digital and Roman Numerals and solve time problems.
- To use all four operations to solve problems.

## Literacy

- To write stories where the main character has a flaw (*Just So Stories*)
- To write a newspaper article based on current events
- To understand the structure of narrative poetry (*Highwayman*)
- To structure a discussion text cohesively

Class text: *There's a Boy in the Girl's Bathroom*

## Spelling, Punctuation and Grammar

- To use a wider range of punctuation for effect.
- To vary sentence structure, e.g. different openers and clauses.
- To learn and apply the Year 5 spelling rules.
- To understand different word types.
- To use a thesaurus to extend my vocabulary choices.

### History/Geography Why did the Tudors decide to settle in North America? What do we know about Native American life? How have the biomes of North America influenced settlements?

- To compare the geography (biomes) of North America with that of the UK.
- To understand why people settled in North America
- To use a range of sources to understand the past.

## Music

### Can I accompany a piece of music on glockenspiel and perform?

- To listen and appraise a number of songs.
- To play along with a piece of music

### P.E Can I use a range of tactics to outwit my opponent?

- To use my awareness of space and others to make good decisions.
- I can develop methods to outwit opponents
- I can set personal goals and work hard to improve my overall fitness

### PSHE How can I express and explain my feelings? Can I reflect and discuss my past experiences to make future plans?

- I understand that every child has rights.
- I understand what bullying is and what to do if I am being bullied.
- I understand my personal strengths and how I can develop them. (SUMO: Change your t-shirt)

### Art/DT How can we use pencils to create different effects? Can I create a detailed portrait based on an image? Can I join material with a range of stitches?

- To improve mastery of art and design techniques, such as using Indian ink to create portraits.
- To design, make and evaluate using patterns from different cultures.
- To join and decorate fabrics using sewing techniques.

### R.E. Why are the Northern Saints important to Christianity? What are the themes of Christmas?

- To learn about the Christian faith through studying the lives of the Northern Saints.
- To explain the main themes of Christmas.

**Year 5**  
**Autumn Term**

