

## Computing

- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

## Geography

### Geographical skills and fieldwork

- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- Use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world

## History

An aspect of British History that extends pupils knowledge beyond 1066.

Water exploration-  
Drake/Cook/Columbus/Slave Trade.

Significant turning point in British History.

Slave museum Liverpool?

Year 5 Autumn 1

Journeys

## Science - Properties and changes of materials

Pupils should be taught to:

- ♣ compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets
- ♣ know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- ♣ use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- ♣ give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic
- ♣ demonstrate that dissolving, mixing and changes of state are reversible changes
- ♣ explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.

### Working Scientifically

- planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- using test results to make predictions to set up further comparative and fair tests

WOW!

Orienteering / Treasure Hunt

Local area walk

Message in a bottle

## English - Diary entries

- Journey to the River Sea (Eva Ibbotsam)

## Art

- to create sketch books to record their observations and use them to review and revisit ideas
- to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]
- about great artists, architects and designers in history