# Curriculum Overview for Year 4 ~ Summer Term 2016 (Go with the Flow!)

### Reading

Number

• Order and compare

100 or 1000.

numbers beyond

- Apply growing knowledge to read aloud and understand new words and those that are exceptions to the rules.
- Listen and respond to a wide range of reading material.
- Discuss techniques that capture the reader's interest and imagination.
- When reading independently, check the recording. text makes sense to them and ask questions to improve their understanding.
- Draw inferences and justify them with evidence.
- Summarise ideas drawn from more than errors. one paragraph.

Count backwards through zero to

in a 4-digit number (thousands,

Recognise the place value of each digit

Round any number to the nearest 10,

Read Roman numerals to 100 (I to C).

Start to solve addition and subtraction

Add, subtract and multiply numbers

using the formal written methods.

two-step problems in contexts,

deciding which operations and

methods to use and why.

include negative numbers.

hundreds, tens, and ones).

## English

### Writing

- Use prefixes and suffixes and explore homophones further.
- Use the possessive apostrophe accurately.
- Use dictionaries (spellings and meanings).
- Join handwriting and increase its legibility, consistency and quality.
- Plan writing through discussion and
- Draft and write with a rich vocabulary and use paragraphs and headings. • Evaluate and edit their own and others'
- Proof-read for spelling and punctuation
- Read aloud their own writing to engage

### Grammar

- Use conjunctions, adverbs and prepositions.
- Use apostrophes accurately.
- Extend the range of sentences with more than one clause.
- Use commas after fronted adverbials.
- Use and punctuate direct speech.
- Use and understand grammatical terminology.

Guided reading, personification, persuasive writing (deadliest river creatures, advertising), descriptive

writing, diary writing, river poetry, balanced arguments.

## **Mathematics**

- Estimate and use inverse operations to check answers to a calculation.
- Recognise and write decimal equivalents to fractions.
- Learn multiplication and division facts for times tables up to  $12 \times$
- Use place value and other number facts to multiply and divide mentally.
- Solve number and practical problems.
- Recognise equivalent fractions.
- Start to solve problems involving fractions.

### Measure

- · Convert between different units of measure (for example, kilometre to metre; hour to minute).
- Measure and calculate area and perimeter.
- Read, write and convert time between analogue and digital 12- and 24-hour clocks.
- Solve problems involving measure.

Art & Design

- Use sketch books to record their observations and to review and revisit ideas.
- Improve mastery of art and design techniques, including drawing, painting and sculpture with a range of materials (e.g. paint, clay).
- Learn about great artists, architects and designers in history.

Mixed media cover for their topic book. Pallant House

## Computing

- Design, write and debug simple programs.
- Use sequence, selection, and repetition in programs. Explain how simple algorithms work.
  - Continue to use technology safely, respectfully and responsibly.

Develop knowledge of creating adverts online.

## Design & Technology

- Use research to inform the design of functional products.
- Generate, develop, model and communicate their ideas through discussion, annotated sketches and prototypes.
- Select from and use a wider range of tools/equipment to\_perform practical tasks accurately, taking into account their functional properties and aesthetic qualities.
  - Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.
- Evaluate ideas and products against their design criteria and consider the views of others to improve their work.
- Understand how key events/individuals in D&T have helped shape Design and build bridges.

## Geography

- Use maps and atlases to locate rivers.
- Describe and understand key aspects of rivers and the water cycle.
- Name and locate key rivers and land use patterns in the UK and how these have changed through time.
- Use fieldwork to observe, measure, record and present rivers in the local area using sketch maps.

Rivers and trip to Pulborough Brooks.

## PSHCE &

Relationships.

Growing Up.

## Citizenship

# Music

• Play and perform voices and playing increasing fluency,

together, using their musical instruments with accuracy, control & expression.

- Listen with attention to detail and recall sounds with increasing aural memory.
- Use and understand staff and other musical
- Begin to appreciate and understand a wide range of music drawn from different traditions.
- Begin to develop an understanding of the history of music. Key 2 Music project, history of music.

## Physical

### Play competitive games apply basic principles defendina.

(e.g. cricket and tennis) and suitable for attacking and

Education

- Develop flexibility, strength, technique, control and balance (mostly through athletics).
- Compare their performances with previous ones and demonstrate improvement to achieve their personal best.
- Swim competently, confidently and proficiently over an increasing distance using a range of strokes (e.g. front crawl, backstroke and breaststroke).
- Perform safe self-rescue in different water-based situations.

Athletics, rounders and swimming.

## Religious Understand the - gods, festivals and

## Education main features of Hinduism

sumbolism.

## Languages - French

Read carefully and show understanding of words, phrases and simple writing whilst learning vocabulary for higher numbers, the Euro and food.

## Science

## Living Things and

- Recognise that living things can be grouped in a variety of ways.
- Explore and use classification keys to help group, identify and name a variety of living things in their local and wider

their Habitats:

• Recognise that environments can change and that this can sometimes pose dangers to living things.

### Animals, including Humans:

- Describe the simple functions of the basic parts of the digestive system in humans.
- Identify the different types of teeth in humans and their simple functions.
- Construct and interpret a variety of food chains, identifying producers, predators and prey.

## History

- Note connections, contrasts and trends over time and develop the appropriate use of historical terms.
- Consider change, cause, similarity and difference, and significance in history.
  - Understand how our knowledge of the past comes from a range of sources.

A study of changes to rivers.