

Year 5 Autumn Term 'Full Steam Ahead!'

ENGLISH

Writing composition:

The children will write in many contexts (not just in literacy lessons) and for different purposes, including a new adventure for Jim (Street Child), an obituary, a newspaper article and poetry.

The children study structure and language features before they write. The writing process involves planning, drafting, editing and proof reading, evaluation and oral presentation and/or publishing.

Handwriting is cursive (joined). We encourage all children to use pen so that they develop a fluent and confident handwriting style.

Great effort and improvement is recognised and celebrated. Some children may even win a Star Writer award!

Grammar and punctuation:

Whenever possible, this is taught in the context of the writing process, but there may be times when discrete lessons are needed.

The programme of study includes:

- using relative clauses
- using devices to build cohesion within and across paragraphs
- indicating degrees of possibility using adverbs or modal verbs
- using commas to clarify meaning or avoid ambiguity
- using dashes, commas or brackets to indicate parenthesis
- use language of modal verb, relative pronoun, relative clause, parenthesis, bracket, dash, cohesion and ambiguity.

Spelling:

In year 5 the children have daily spelling sessions following the Get Spelling programme.

Reading

The children have a reading session every day. They read a range of literature (including poetry, novels and nonfiction books) and are encouraged to make recommendations to others.

The children have regular guided reading sessions with their teacher, which develop comprehension skills.

The class teacher reads aloud a class novel; this term's book is *Street Child* by Berlie Doherty.

Children develop their understanding of literature through drama activities, formal presentations and debates.

ART and DESIGN

A study of the work of William Morris will lead to children creating their own designs for textiles and prints.

Children will make detailed sketches and paintings.

HISTORY

How did life in Ipswich change during the Industrial age of Steam?

Key aspects to learning:

- expansion of Ipswich - the town and population
- transport links - railways and the docks
- living standards - health

The children will visit Ipswich's historic waterfront and learn about its industrial heritage.

MATHS

We believe that Maths is a creative subject. Reasoning and Problem Solving skills are at the heart of mathematical understanding and are woven into our daily maths lesson. In addition, our learners are given frequent opportunities to use mathematics in other areas of the curriculum.

Number/Calculation

The understanding of place value and reading, writing and ordering of numbers moves on to include numbers up to 1,000,000 for learners in Year 5. They will be adding and subtracting numbers with four or more digits using formal, column methods where appropriate. They will use their tables to identify factors and multiples. Multiplication and division of larger numbers will be taught using standard written methods.

Geometry/Measures/Statistics

Year Five will continue to convert between metric measures (e.g. mm to cm etc) but will also use their topic (Full Steam Ahead) as a chance to look at the approximate equivalence to Imperial measures (inches, ounces etc).

They will estimate, draw and measure angles in degrees using mathematical instruments.

They will recognise shapes which have undergone a reflection or have been moved on a grid and will use appropriate language to describe that change.

Working with time will include reading from timetables and problems using them (e.g. journey times between two given points)

Fractions and decimals

Year Five will be converting improper (top heavy) fractions to mixed numbers. They will be supported to add and subtract fractions with the same denominator or where the denominators are multiples of the same number. They will identify equivalent fractions (including decimal equivalents for tenths and hundredths)

Maths talk

Talk is a crucial tool in the understanding of maths. Here, learners are encouraged to use precise mathematical language to discuss ideas, create debate and identify and resolve problems. This may take the form of whole class discussion, paired talk or group collaboration.

DESIGN TECHNOLOGY

Using the link with Morris and his furniture design, the children will design and make a prototype chair for this century.

They will look at the innovative designs by Sacchi and Philippe Starck and study chair design development.

GEOGRAPHY

The children will start the term by familiarising themselves with the world map and sharing their experiences in or links with other countries.

During a fieldtrip to Ipswich waterfront they will investigate signs of human features that date back to Victorian times or are as a result of the Victorian legacy.

SCIENCE

In science our focus for the term will be on materials and the different categories of changes that can occur. We will start by learning about the different states that a material can exist in and the changes that move them from one state to another. We will carry out observations and investigations, focussing upon the use of scientific terminology and the steps in a scientific investigation.

We will discover what is meant by reversible and irreversible changes and the differences between them.

COMPUTING

During computing sessions this term we will be introducing ways that spreadsheets can be programmed and manipulated in order to analyse and present data. In order to improve their word processing skills we will be introducing typing games on the computers.

We will learn how sensors connected to laptops can be used to improve the data collected during science investigations. To carry on from the computer science sessions undertaken last year, children will be using a program called Logo as a context in which to learn the importance of an incremental (small steps) and iterative (checking and debugging /improving) approach to problem solving.

Within our E Safety focus for the term we will be looking at how following the SMART rules will help to keep us safe when online and the importance of checking the reliability of information that is presented to them electronically.

MODERN LANGUAGES

The children will continue with their study of French, when they will:

- speak
- read
- write
- and look at the culture of the countries where French is spoken

MUSIC

The children will listen to a range of popular songs from the Victorian era, including street cries and music hall songs. Learn to sing and perform some of these songs. They will use these songs as inspiration for composing their own versions.

PHYSICAL EDUCATION

The children will learn to play Tag Rugby and develop their attacking and defending skills. They will develop flexibility, strength, technique, control and balance through gymnastics.

RELIGIOUS EDUCATION and PSHE

In RE the children will study what people believe, expressions of faith, and lifestyles in the context of Hinduism.

The School uses the Suffolk Agreed Syllabus for RE

In PSHE sessions will focus on E-safety, bullying & antisocial behaviour and media (my computer and me). PSHE is enriched with circle time, Building Learning Power and mentoring sessions.