Trafalgar Schools' Federation - Year 5 Curriculum Information – Autumn Term 2

English

Reading:
Reading is taught through daily reading opportunities: reading within English and other subject lessons; story-time and whole class reading lessons. These follow a regular sequence using the same passage of text over a week, enabling regular opportunities to hear, echo and practise fluent reading. Focus areas include decoding, prosody (reading with expression) and comprehension.

Children will read an exciting range of fiction, non-fiction and poetry this term, including **Shackleton's Journey** (fiction); and **Digital Poet** and **Picture a Poet** (poetry).

Writing:
Our writing curriculum will focus on:
- Engaging with a wide range of high-quality texts to support and develop writing across a variety of genres
- Planning, drafting, writing, evaluating and editing
- Writing legibly, fluently, with increasing speed

Main writing outcomes include:
- Fiction: Diary writing/letter writing
- Non-fiction: Historical recount of Shackleton's journey
- Poetry: Reading and writing different styles of poetry

Grammar and punctuation:
Spelling Shed's SPAG scheme is used to support learning in school and at home, with specific focus for the year on the following:

Sentence structure:
- conjunctions

Text structure:
- Devices to build cohesion within a paragraph
- Linking ideas across paragraphs using adverbials of time, place and tense choice

Punctuation:
- Commas in a list
- Apostrophes for possession
- Apostrophes for omission

Spelling:
Children are taught spelling through the Spelling Shed scheme, with on-line home learning tasks being given weekly.
Homophones

Maths

Key maths concepts, arithmetic and reasoning skills are developed throughout all maths lessons. White Rose resources are used to support progression.

Children are also expected to continue to develop their recall and application of times tables (up to x12). Key instant recall facts (KIRFS) and times table challenges are used to reinforce maths fluency.

This half term, in year 5, children will cover:

Multiplication and division:

- Multiplying and dividing numbers by 10, 100 and 1000 (and by multiples of 10, 100 and 1000)

Fractions:
- Identifying equivalent fractions
- Identifying and writing fractions greater than 1
- Converting mixed numbers to improper fractions and vice versa
- Comparing and ordering fractions including improper fractions and mixed numbers
- Adding and subtracting fractions and mixed numbers

Science

Scientific skills and concepts are embedded and developed in all science lessons and through a range of enquiry types.

Children will also explore the following:

Materials and their properties (chemistry): Changes of materials

- 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

Other curriculum areas

Computing:
- Develope Programming/Coding skills using Scratch
- Online Safety

Design and technology:
- Plan, design, make and evaluate soup recipes

Geography – Mountains:
- Understand how mountains are formed
- Describe key features of mountains
- Locate major mountain ranges and highest peaks in UK
- Investigate how conditions change with height and how people live and work in mountain environments

Music:
Escaping the trolls:
- Focus: listening and composing
- Recorders
- Christmas Panto Performance

Physical Education (PE):
- Focus: Invasion games – football, hockey, tag rugby, handball

PSHE:
Celebrating Difference:
- Respect for similarity and difference
- Anti-bullying and being unique

Religion and Worldviews (RW):
- Why doesn't Christianity always look the same?

Spanish:
- Introduce ourselves, using "tengo" (I have)
- Say where I live, vocabulary of different countries
- Noun-Adjective agreement
- Christmas

What parents can do at home to help:
- Check your child completes the weekly **home learning** tasks set by the class teacher.
- Listen to your child **read daily** and update their Reading Record.
- Remind your child to learn and practise their **spellings** regularly and to use Spelling Shed's on-line games to help practise tricky words too.
- Look out for half-termly **key instant recall facts** (KIRFS) and practise regularly.
- Help develop your child's fluency in their **times tables** up to 12x and associated division facts). Use Times Tables Rock Stars regularly for support.

Links to support learning and wellbeing:
Please ensure your child accesses all their school on-line learning accounts from home regularly. Any technical issues, please contact ICT@trafalgarfederation.org.uk
- **E-school:** J2e
- **Maths:** Times Tables Rock Stars; www.amathsdictionaryforkids.com, https://www.topmarks.co.uk/maths-games/hit-the-button
- **English:** Spelling Shed
- **General:** BBC Bitesize
- **Wellbeing:** Access the Wellbeing tile through E-school for various resources