Trafalgar Schools' Federation - Year 5 Curriculum Information – Autumn Term 1

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 ***The Man Who Walked Between the Towers*** (fiction), ***Rain Player (fiction), Maya History in Infographics (non-fiction).*** Additionally, the following texts will be covered in our whole class reading sessions: **There's a Boy in the Girl's Bathroom.**

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:** narrative account based on text: The Man Who Walked Between Towers; diary entry using emotive language; report using adverbials of time
- **Non-fiction:** analytical writing of Maya life

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:

- Modal verb
- Clauses and phrases

Text structure:

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

Punctuation:

- Pronouns and relative pronouns
- Adverbs
- Determiners
- Use of commas to clarify meaning or avoid ambiguity

Spelling:

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

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 number bonds and times tables (up to x12). KIRFS (Key instant recall facts) and regular times table practice using Times Tables Rock Stars are used to reinforce maths fluency.

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

Place value:

- Representing, rounding, ordering and comparing numbers to one million
- Negative numbers
- Roman numerals

Addition and subtraction:

- Mental methods of calculation
- Written methods of calculation
- Inverse operations
- Rounding to check
- Finding Missing numbers
- Solving multi-step problems using addition and subtraction

Multiplication and Division:

- Identifying multiples
- Finding factor pairs of a number and common factors of two numbers
- Knowing and using the vocabulary of prime numbers, prime factors and composite numbers
- Recognising and using square and cube 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

Art and design:

Drawing: Depth, emotion and movement

- Investigate how drawing can express emotion, movement and depth, inspired by artists
- Use expressive lines, shading and printmaking techniques to develop compositions that convey feeling and energy
- Create art influenced by own ideas and artists studied

Computing:

- Continue to develop and embed online safety skills, including logging on and off, safe searching, sharing information and how to identify a reliable website.
- Using a variety of tools within PPT to create an effective presentation.

History:

Maya civilisation

- Discover what Maya life was like around 900AD at the height of the civilisation
- Explore why the Maya civilisation became so important.
- Compare the Maya people with Anglo-Saxons and Vikings - another civilisation living in the world at that time
- Investigate what caused the decline of the civilisation

Music:

Amazing Ancients and Playing the recorder

- Focus: melody, lyrics and playing the recorder

Physical Education (PE):

- Focus: invasion games - hockey, tag rugby, football, basketball

PSHE:

- Being Me In My World

Spanish:

- Presenting myself, asking and saying where I live
- Adjective-Noun agreement

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 recap tricky words too.
- Look out for the 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/
- **English:** Spelling Shed
- **General:** BBC Bitesize
- **Wellbeing:** Access the Wellbeing tile through E-school for various resources