

## Class 4 Topic Web Summer 2023-2024 with Miss Ng, Mrs Khierynejad and Miss Noonan

### English

We will continue to develop our writing skills across a range of genres and forms of writing. We will use the book 'The Man Who Walked Between The Towers' by Mordecai Gerstein as a vehicle for studying and creating poetry, persuasive writing, instructions, newspaper reports and more! We will be learning about the features of these types of writing, adapting our writing voice, punctuation and vocabulary to suit.

### Maths

Children will further develop their knowledge of place value and number, working with numbers ranging from 2 decimal places to ten millions. We will learn and revise our formal written methods for the four operations, and consider the efficiency of our approaches. We will also study statistics, revising data presentation methods that we are familiar with as well as applying these skills to others, such as line graphs, pie charts and two-way tables. We will apply our learning and knowledge to problem solving and reasoning tasks throughout the year.

### History

**Local History Detectives: What was the impact of the World Wars on the local area?** We will use a range of sources (including newspapers, census and military records, photographs, local history websites and experts) to help us understand the impact and effect that two World Wars had on the local area, people and buildings. If you have any stories or artefacts linking to your family, please do let me know.

### Geography

**South America: Is all trade 'fair'?** Children will begin by locating South America on maps, identifying South American countries, researching climate and weather and key geographical features. When learning about human geography, we will consider the inequality and disparity of opportunity and wealth, why this occurs, and the impact on people's lives. We will investigate which products are grown, made or produced in South America, and why some trade is deemed 'fair'.

### PE

The children will have PE on **Mondays** and **Fridays**. Children must have their PE kits in school on these days. Please ensure long hair is tied back.

### RE

**Beliefs and moral values: How does belief in Akhirah (life after death) help Muslims lead good lives?** We will learn about the Muslim beliefs of life and death. We will link our learning from the Autumn term about the 5 Pillars of Islam to help us understand how a belief in Akhirah influences and motivates Muslims' choices, decisions and behaviours. We will also discuss how Muslims may interpret the Qur'an and its messages about Jihad, leading to different actions and consequences.

### Science

**How can we test what the properties of electricity are?** Children will learn about how our understanding of electricity has changed over time, and how discoveries about electricity led to its widespread use. We will revise circuit symbols

and how to draw diagrams, using this to help us plan investigations.

### **What is a force and how many types are there?**

Children will identify and explain how different forces act on objects. We will investigate the effects of friction, air resistance and water resistance, developing our ability to plan for a range of variables, make predictions, make accurate observations, and draw conclusions.

### Computing

**Radio Station:** We will use software on the iPads and Chromebooks to record, combine and play two or more pieces of audio. Children will work together to script and record a radio jingle, and a segment to be played on their 'radio station'. They will work together to carefully consider appropriate digital content that interests an audience.

**HTML and Python:** Children will build on their knowledge of block coding, and learn how more advanced coding programmes help us to build things like quizzes and websites, as well as running simulations and creating graphics.

### Art

**Wildlife and birds:** Children will develop their collaging skills, selecting materials and colours to suit and considering shapes used. We will also work with textiles, including weaving and hapazome.

### D&T

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**Building Bridges:** Children will look at how pillars, beams, trusses and arches can be used to build and strengthen bridges. We will then design and build a bridge to meet specific criteria and purpose. We will also take part in the annual K'Nex construction challenge.

### **PHSE**

Our PSHE themes this term are 'Relationships' and 'Changing Me'. We will consider what healthy friendships, both in person and online, look and feel like. Children will also learn about the changes that boys and girls experience during puberty. We will also talk about and prepare ourselves for transition to Year 6 or Year 7.

### **French**

Mrs Meola teaches French on Tuesdays. Children will describe activities they may do at the weekend, including a time and opinion. We will also learn how to order common foods and drinks that may be served in a typical French cafe.

### **Music**

Mr Rapson teaches music on Tuesdays. This term we will continue to develop body coordination, conducting melodies using Solfege, fine motor skills, singing with accurate pitch and reading, writing and improvising rhythms through movement. Using tuned and untuned percussion, we will expand on high sounds, low sounds, loud and quiet sounds by using full Solfege and utilise rhythms that include more complex patterns.

### **Home Learning**

Home learning is given twice a week, typically on Tuesdays and Fridays. While children will be able

to complete a majority of tasks with little adult support, we encourage you to check the quality of presentation and completed work before hand-in.

**Spelling books:** Children are encouraged to practise the National Curriculum Spelling Lists for Years 5 and 6 and the spelling patterns and rules we study in class.

Please also encourage your child to read daily (age-appropriate book lists can be found on the school website). Children will also benefit from regular use of Times Table Rock Stars and Eedi (maths quizzes) – both log ins are at the front of children's diaries.

**Some key vocabulary for this term:**

Maths		English			
coordinates axis distance graphs interpret  area perimeter volume width length depth properties vertices radius circumference diameter		Class 4 Topic Web Summer 2023-2024 with Miss Ng, Mrs Khiervnejad and Miss Noonan			
		atmosphere	celebration	apostrophes	
		contrasting	community	contractions	
		high-wire artist	emotive	dialogue	
		newspaper report	festival	paragraphs	
		opinion	festivities	rhyme	
		performer	juxtaposition	rhythm	
		persuasive argument	non-chronological	structure	
		Philippe Petit	perspective	tense	
		RE		Art	D&T
		actions	interpret	textile	arch
		Akhirah	Islam	material	beam
		attitudes	Jihad	shape	bridge
		belief	morals	weave	pillar
		consequences	motivation	hapazome	strength
		context	scenario	effect	structure
		influence	struggle		truss
Computing		Geography	History	Science	
combine	debug	climate	impact	battery	friction
digital	function	country	local	circuit	gravity
edit	graphics	fairtrade	military	electricity	motion
jingle	program	features	soldier	investigation	resistance
record	me	human	sources	symbols	un/balanced
script	simulations	physical		volt/voltage	variables