



## Year 5/6 - Summer Term 5 Sticky Knowledge.

At Cirencester Primary School, we want children to remember the most important facts, concepts and skills from each unit of learning, we call this Sticky Knowledge. These key ideas are designed to stay in children's long-term memory and support future learning.

As we move into the Summer Term, here is this term's Sticky Knowledge for your child. These short facts are perfect for quick chats, mini-quizzes or simple games at home. Regular revisiting helps children recall key learning, build confidence and make meaningful links between school and the wider world. Just a few minutes talking about these facts can make a big difference to your child's learning.

### **Class text this term:** Letters from the Lighthouse by Emma Carrol

February, 1941. After months of bombing raids in London, twelve-year-old Olive Bradshaw and her little brother Cliff are evacuated to the Devon coast. The only person with two spare beds is Mr Ephraim, the local lighthouse keeper. But he's not used to company and he certainly doesn't want any evacuees. Desperate to be helpful, Olive becomes his post-girl, carrying secret messages to the villagers. But Olive has a secret of her own. Her older sister Sukie went missing in an air raid, and she's desperate to discover what happened to her. And then she finds a strange coded note which seems to link Sukie to Devon, and to something dark and impossibly dangerous.



### Science



- A cell is a single unit of energy; a battery is two or more cells stacked together.
- Adding more cells (or batteries) to a circuit will make bulbs brighter, buzzers louder and motors faster!
- Voltage is the force that pushes the electricity around the circuit; current is the rate at which the electricity travels around the circuit.
- The more components in a circuit, the more they share the energy from the cell. Adding more components to a circuit can mean their outputs decrease.
- Gaps in the wires or faulty components cause the circuit to be incomplete and the current cannot flow in a complete loop. Switches can be open or closed and this determines whether the electricity can flow in a complete loop.
- Scientists use symbols in a diagram to record their ideas.

### Art



- Artists have used self-portraits to explore identity and expression, often experimenting with different styles, materials and techniques.
- A self-portrait does not have to be realistic and can combine drawing, pattern and design to represent thoughts, feelings or personality.
- Zentangle uses repeated patterns and structured doodles to create detailed designs, which can be layered onto portraits to add texture, creativity and individuality.

### Geography



- The Earth is mapped using latitude and longitude to find exact locations
- The world is split into time zones because the Earth rotates, so different places have different times
- Natural resources are not found everywhere, so countries trade to get what they need
- Global trade connects countries but can be affected by distance, food miles and extreme weather

### Life skills

- Learning means remembering things for a long time
- We learn better when we keep practising and coming back to things
- It is okay to forget — trying to remember helps our brain grow
- Talking about our learning and thinking hard helps it stick
- The brain and body are connected and work together as one team.
- The brain has many functions and jobs to do.
- Different parts of the brain help me make decisions and cause certain reactions.



### PE

#### Forest School

- Work collaboratively with other children to create dens, set up tarpaulin accurately and correctly with purpose and make and create bird shelters and bug hotels using woodwork
- Listening to other children's ideas and working effectively together to produce an outcome
- Identify and classify minibeasts and insects
- Identify and classify trees and shrubs, from their leaves

#### Athletics

- Vertical jump – is the act of jumping upwards into the air. It may also be called a vertical leap
- Power – the ability to exert a maximum force in a short time as possible, as in accelerating, jumping and throwing objects
- Accuracy – is the ability to perform movements and skills with precision
- Strength – Muscular strength is the ability to exert force against resistance



### Computing

- Digital technology (email, social media, gaming and phones) can help people communicate, collaborate and feel part of a community, but it can also lead to risks.
- Safe and responsible online behaviour includes being respectful, protecting personal information and making balanced choices about how and when technology is used.
- Filtering blocks harmful or inappropriate content and monitoring tracks online activity, helping keep pupils and adults safe and ensure responsible use of the internet.
- Touch Typing uses the correct finger placement and key positions to type quickly and accurately without looking at the keyboard.



### World Views

- Muslims use the Qur'an, the example of Prophet Muhammad, and the Hadith to help them decide what is right and wrong.
- The Qur'an teaches Muslims to develop akhlaq (good character) and taqwa (God-consciousness) by choosing good actions and avoiding harmful ones.
- Muslims believe that God judges both actions and intentions on Judgment Day, and that God is forgiving and merciful.



### Music

- A composer is someone that writes music. A composition is the final piece of music we hear.
- The inter-related dimensions are the building blocks of music. How they are used can influence the mood or reflect the era when a piece of music was written.
- Music has evolved over time due to accessibility, cultural fusion and technology.
- A composition can be written using symbols, notation or digitally recorded.
- Music can make the listener feel a range of emotions, including support.
- We can have different opinions, likes and dislikes, about a piece of music.



