Year 4: Our Environment
Term: Spring 2

Prime question: What is our environment like?

Subsidiary questions:
1. What does latitude and longitude mean?
2. How can we record observations about our local area?
3. What are the key features of our local area?
4. How can we make an electrical circuit?
5. What materials are good conductors and insulators?
6. Who was Thomas Edison?

Science - Electricity
- Identify that common appliance that run on electricity
- Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
- Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.
- Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- Recognise some common conductors and insulators and associate metals with being good conductors.

Geography
- Identify the position and significance of Latitude, Longitude, Equator, Northern Hemisphere, Southern Hemisphere, Arctic and Antarctic Circle.
- Use fieldwork to observe, measure and record the human and physical features in the local area using a range of methods including sketch maps, plans, graphs and digital technologies.

History
- A study of an aspect or theme in British history that extends pupils chronological knowledge beyond 1066 – a significant turning point in British history (Thomas Edison).

Art
-

DT
(Design and make a model home light up)
- Generate, develop, model and communicate their ideas through cross sectional and exploded diagrams and computer-aided design
- Understand and use electrical systems in their products (series circuit with switches, bulbs, buzzers and motors)
  Apply their understanding of how to strengthen, stiffen and reinforce more complex structures

Music
- Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.
- Listen with attention to detail and recall sounds with increasing aural memory.

Computing
We are HLTM editors
- Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.
- Use and combine a variety of software (including the internet service) to accomplish given goals, including presenting information.