Central Idea

This statement ties the learning together to create connections and provide a context across pupils' knowledge.

Scientific and technological advances may impact environments.

Words in blue do not link to the central idea.

Lines of Inquiry

These inquiries are the phases of learning that take place, supporting the children to develop their understanding of the central idea.

- **How energy works (Function)**
- **Impact of energy on our daily lives (Perspective)**
- **How we create and use energy responsibly (Responsibility)**

Maths

Measurement: scaling, volume

Number: ratio, algebra

Geometry - shape

PSPE

PSHE: puberty, change and becoming independent

PE: Gymnastics

Computing

Coding - Scratch
World Wide Web

YEAR 6
MODULE 4

Science

Electricity:

- Create a circuit
- Compare components function
- Use recognised symbols when representing a simple circuit diagram.

Social Studies

History: sequencing technological advances
Geography: comparing the distribution of power across the globe (Google Earth); longitude and latitude
RE: ahimsa, grace and ummah

The Arts

D.T
Bridge building
Construction

English

Texts: 'The Boy Who Harnessed the Wind' by William Kamkwamba
Writing Outcomes:
Biographies
Narrative - suspense
Balanced argument

YEAR 6
MODULE 2
Home Learning Opportunities

Apps
Spelling Shed
TTRS
Maths bot Arithmetic

Visit
- The Science Museum in London
- Top Science/ Technology museums

Websites
- Rochester Bridge Trust website
- Medway Energy and Water Advice
- Renewable Energy

Get Creative
- Draw your ideal bridge
- Create a bridge of the future using your chosen materials

In the Car
- Heat exchange explained podcast
- Climate Change Podcast

STEM
- Create a circuit at home - with adult supervision
- PHET - circuits lab

Look Out For
- Renewable Energy Sources
- Solar panels

IT
Hour of Code (coding)

Get Outdoors
- Visit the Bridges in Medway