

Using Resources

Students will explain how we can sustain resources for the future and how we can ensure access to drinking water. Students will explore how to reduce waste including the recycling of metals and life cycle assessments.

Magnetism

Students will apply their knowledge of magnetism to the behaviour of the earth, and everyday applications such as electromagnets and the electric motor.

Home Learning:

Look-cover-write-check one knowledge organiser page every week. Ensure the content on the knowledge organiser is learnt in preparation for a quiz given by your classroom teacher.

Key Questions: (A list of key questions)

Using Resources

- How can we sustain resources for the future?
- How can we ensure access to drinking water?
- How do we reduce waste?
- What is a life cycle assessment?
- What are the alternative ways of extracting metals?

Magnetism

- What are the effects of the earth's magnetic behaviour?
- How does the field look like around a wire and around an electromagnet?
- How do motors work?
- Why is electricity transmitted at high voltage?

Students will: (Success Criteria)

Using Resources

- Be able to explain methods to sustain resources for the future including drinking water.
- Be able to explain how we reduce waste including the recycling of metals.
Be able to explain how to conduct a life cycle assessment

Magnetism

- Be able to draw field patterns around magnets, electromagnets and wire
- Be able to explain how an electric motor works.
- Be able to explain the benefit of transmitting electricity at high voltage.

Diagnosis

& Smith Proforma

- Recall Quiz from knowledge organisers
- Short Diagnosis Test
- Feedback from teachers marking

Therapy

- DIRT lesson – Respond to teachers marking.
- Pixl 'Know It' slides and questions.

Testing

- Final end of topic test after each topic