

Year 2 Summer Key Stage 3/4

Theme: Awesome Earth

Topic: Recycling & Sustainability



English Core Text

The Iron Man (Ted Hughes and Chris Mould- Illustrated version)

Mankind must put a stop to the dreadful destruction by the Iron Man and set a trap for him, but he cannot be kept down. Then, when a terrible monster from outer space threatens to lay waste to the planet, it is the Iron Man who finds a way to save the world.

Supplementary texts:

Fiction- The Tin Forest (Helen Ward)
Tidy (Emily Gravett)
Michael Recycle (Ellie Bethel)

Non-fiction- A Planet Full of Plastic (Neal Layton)
What a Waste (Jess French)
Plastic Sucks (Doug Poytner)

Genres to be covered:

- *Expository: Instructions
- *Narrative: Story (including storyboards, narrative stories, comic strips, speech bubbles, etc.)
- *Persuasive: Advertising (including posters, leaflets, reporting for film, radio etc)

Science (Energy)

Suggested activities: Models for sustainable energy. Properties of materials

Practical Action STEM Project: Wind Power Challenge

What materials are/ are not recyclable? Pros and cons of recycling
"The Science of Plastic"

<https://www.sustainablelearning.com/resource/science-plastic-ks2-0?destination=teaching-resources>

Foundation knowledge: Purpose and use of materials.

Next steps: Setting up simple practical enquiries, comparative and fair tests.

Design Technology

Suggested activities: Research, design, make and evaluate an anemometer (wind measure device)/ wind or balloon powered cars.

Foundation knowledge: Safely use and explore a variety of materials, tools and techniques, experimenting with design and function.

Next steps: Measure materials to use in a model or structure.

Maths (My Money Week- June)

Number:

KS3- Fractions/ Number Sequences

KS4- Positive and Negative Numbers/ Fractions/ Decimals/ Linear Equations

Measures:

KS3- Properties of Shape and Angles/ Money Problems and Application

KS4- Perimeter/ Parallel and Perpendicular Lines/ Angles

Statistics:

KS3- Charts/ Tables/ Averages

KS4- Use, draw and analyse graphs and tables

Curriculum Links Outlined on FHS Maths Progression Document

Geography

Suggested activities: Investigate sustainable energy source providers. Siemens visit/ experience. Wind turbine/ beach visit. Deforestation.

Foundation knowledge: Make some observations about why changes to the environment happen e.g. pollution and how we can help.

Next steps: Demonstrate an understanding of rainforests and deforestation. Main human and physical differences between developed and third world countries.

Creative Arts

Suggested activities: Research, design and make a piece of art from recycled materials e.g. junk model cars.

Create a picture of what the Iron Man would look like using different materials e.g. foil

Foundation knowledge: Making a representation of something else

Next steps: Explore a range of drawing mediums to create art.

PSHE

College Meetings
School Council
Sports Day-
teamwork
Friends of Freddie
Leavers
Transition

Jigsaw

Relationships
Changing Me

Computing

Suggested activities: Design an information poster about the pros and cons of renewable energy
Safety poster about using tools

Foundation knowledge: Select and use age appropriate equipment for a specific purpose

Next steps: Use technology purposefully

RE

Suggested activities: Find out about people who serve the community.
Work together to improve the school community e.g. flower bed/ gift/ event

Know about similarities and differences between themselves and among communities