



Key Facts:

- Climate change can occur naturally.
- Since the 1950s, scientists have noticed that climate change has been happening much too quickly.
- Climate change can cause species to become extinct.
- Human actions are causing the planet to become too warm too fast. This is called global warming.
- Global warming is mostly caused by too many greenhouse gases (carbon dioxide, methane, nitrous oxide and other gases) being released into the Earth's atmosphere. These trap heat which is warming the planet.
- Climate change can affect everyone.
- Fossil fuels (coal, oil and natural gas) continue to be burnt to create energy and electricity, which releases carbon dioxide into the atmosphere.
- Renewable energy such as solar power and wind power is much more sustainable.
- Deforestation contributes to climate change. It also destroys habitats.
- Transport is the largest emitter of greenhouse gas emissions in the UK.
- Everyone can play a part in reducing their carbon footprint to reduce climate change.

The Environment – Climate Change

Enquiry Question: How is the environment under threat?



Glossary:

Greenhouse effect	The process when gases in the Earth's atmosphere trap the sun's heat, making the Earth warmer.
Climate change	The long-term change to weather patterns across the world.
Renewable energy	Energy from a source that will not run out e.g. solar power from the sun.
Deforestation	Cutting down trees, often for farming and timber.
Fossil fuels	Non-renewable energy sources - coal, oil and gas.
Palm oil	An edible vegetable oil used in food and beauty products.
Endangered	At risk of extinction.
Sustainable	Being able to maintain/continue a process over time.
Extinction	The complete disappearance of a species from Earth.

Key Questions:

- Can the climate change on its own?
- Who is most impacted by climate change?
- How can we reduce our carbon footprint?
- Who is responsible for tackling climate change?
- What could the Earth be like in the year 3000?
- What species are at risk of extinction?
- How can renewable energy help?

CLASSES 5RS, 5OF and 5FM

Homework to be completed and returned by
19th July 2024

Dear Pupils, Parents and Carers,

Our topic this half term is the environment with a focus on climate change. We will be learning about the greenhouse effect, deforestation, plastic pollution and how we can make more sustainable choices. Homework can be completed with an adult or independently.

Spelling

Don't forget spelling rules for your spelling words will go home with you Friday for your test the following week!



Maths

Remember to revise your **time tables**.

Practice the **number facts** you are working on each week. You will be tested on these!

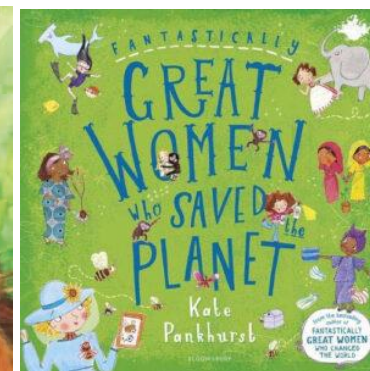
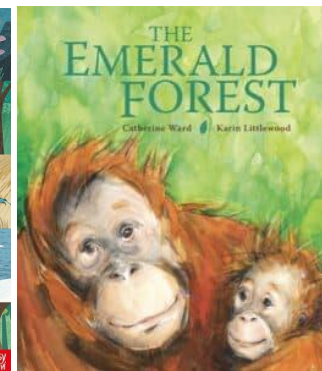
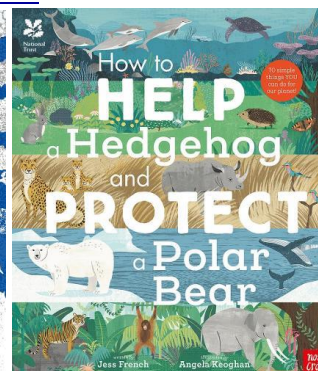
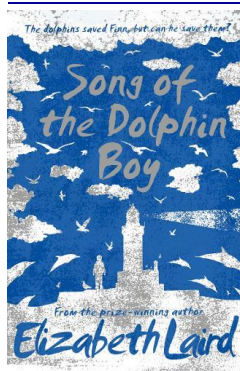
And please don't forget to log onto **Times Table Rock Stars!**



Places to Visit:

- **Green Cactus** – a café in Streatham using only Fairtrade coffee, built only using wood or recycled materials.
- **Jarr Market** – zero waste shop in Herne Hill
- **Kew Gardens**
- **Natural History Museum**
- **Community Gardens**
- **One of the many beautiful London parks**

Recommended Reads:



Home Learning Links:

<https://www.bbc.co.uk/bitesize/articles/z4g3f82#zvpqjsg>

<https://www.natgeokids.com/uk/discover/geography/general-geography/what-is-climate-change/>

<https://www.youtube.com/watch?v=IJoAcD0oUww>

<https://www.youtube.com/watch?v=7ZnvFkiZmDM>

<https://www.bbc.co.uk/teach/class-clips-video/articles/zd34hbk>

Homework:

You have a scrap book to use to complete your homework project. Over the next six weeks complete some of these activities or make some up of your own.

WRITING TASKS

1. Write a poem about a habitat of your choice
2. Research and write about a habitat of your interest – what living things call it home? What is the climate like there?
3. Can you avoid using plastic for a week? Write a diary about how hard or easy you are finding the challenge!
4. Write to persuade! Choose a favourite wild animal - can you convince others to love it as much as you?

CREATIVE TASKS

1. Make a landscape artwork of a chosen habitat (See Henri Rousseau's jungle artworks for inspiration)
2. Using recyclable materials, create a 3D model of your choice
3. Design a poster to persuade people to: use less energy, use less plastic, waste less, recycle more (or any other cause you care about!)
4. Using whatever medium you have at home, create a detailed portrait of an animal
5. Make a video explaining how the greenhouse effect works