

**One big question:** What are the natural and human causes of air pollution and how do these contribute to global warming?

**One big product:** Our environmentally friendly rollercoasters

**One big community deed:** Calculate family's carbon footprint and discuss ways to reduce

**VIP: (Very Inspirational Person):** Leonardo DiCaprio

**As artists we will...**

...research and evaluate the work and life of Vincent Van Gough  
...experiment with oil pastels, including adding light and shade to add depth.  
... create a big art to celebrate our topic using recycled materials which we will display around school.

**As computer scientists we will...**

... create stop frame animation videos to demonstrate the effects of global warming  
...make presentations to explain the different aspects of global warming.  
...use computer programmes to collate and display data relating to our carbon footprint.  
... create websites about our VIP

**As geographers we will...**

... identify levels of pollution around the world and its causes including natural and man made  
...understand the causes and effects of global warming  
...calculate our carbon footprints and compare them with each other's.

**Y5 Fighting for our Future topic – What are the natural and human causes of air pollution and how do these contribute to global warming?**



***Aim: To inspire, motivate and challenge our learners to explore the environment, value its purpose and feel empowered to become a responsible global citizen.***

**As designers we will...**

... look at current environmentally friendly theme parks around the world and why they have chosen to make environmentally friendly changes  
...use our scientific knowledge of forces and materials to design a recycled rollercoaster  
... make the rollercoaster  
... make changes to our designs and prototypes after testing elements  
...evaluate the final product.

**As historians we will...**

... order and research different transport events over history and how these have impacted the rising levels of air pollution

**As mathematicians we will...**

... create graphs to compare pollution levels around the world.  
... measure materials in our DT project.  
...compare the different years of transport events and the time between them.

**As philosophers we will...**

...identify what is precious to our Very Inspirational Person and what his main beliefs are.  
...discuss the main factors that affect our environment and what we could do to make a change.

**As writers we will...**

...use the text 'The Varmints' to base our writing around.  
...write texts such as: descriptions, poems, diary entries, letters and persuasive discussions.  
...write letters to our local government to make them aware of the things we have learnt and the things they could do to bring air pollution levels down.  
... write a speech to persuade people to do something about the current environmental crisis.