Monday 1st March 2021		
LI: To be able to plan a fair test to investigate gases changing the temperature of the climate.		
Steps for Success	**Assessment**	
	P	**T**
1) I can look at the equipment that will be used to carry out an experiment.		
2) I can think how the equipment will be used. 3) I can complete an investigation sheet for the experiment.		
Next Step Question: Why do you think scientists carry out experiments and investigations?		

Key Vocabulary

Experiment – a test or a trial to discover what happens to something.

Investigation – a quest to find the answer to something.

Fair test - A **fair test** is a **test** that controls all but one variable when attempting to answer a **scientific** question.

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This lady is going to show us and experiment which is trying to find the answer to explain why the planet is getting warmer.

A quick recap….

Do you remember from last week's lessons, that we were learning about the layer of gas around the atmosphere that is getting thicker?

This is causing the earth to get warmer – it is like planet earth is wearing an extra thick blanket!

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This lady is going to show us and experiment which is trying to find the answer to explain why the planet is getting warmer.

The **gases** that go up into the **atmosphere** come from things such as cars, trains, planes, factories, and even landfill sites create gases.
One of these gasses is called **Carbon Dioxide**.
Carbon Dioxide is important in the **atmosphere** because it helps to keep the planet warm. We even breath out **Carbon Dioxide** when we breath! The earth <u>needs</u> **Carbon Dioxide**. Without it, the planet would be too cold to live on. But too much of it in the atmosphere is not so good because it is warming up the planet too much!

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This lady is going to show us and experiment which is trying to find the answer to explain why the planet is getting warmer.

Equipment Needed for Experiment:

- Two bottles that are exactly the same
- Two corks
- Two thermometers
- Vinegar
- Baking soda
- Measuring spoons
- Funnel
- Measuring jug (beaker)
- Tissues
- Two sun lamps

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We are now going to think about what the lady might do to carry out her experiment. We will use these pictures to help us.

First, we need to know that when you mix **vinegar** and **baking soda** together, it makes the **gas Carbon Dioxide**!

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KS 1 Investigation Write-Up

St John of Jerusalem
Church of England Primary School

This is an investigation to find out ...

These are pictures of what I will need:

This is what I will do:

I will make it a fair test by ...

I found out that ...

In class, we would be completing this Investigation Write-Up sheet.
We will complete the first part into our books.
(the first 4 boxes)

Tomorrow we will watch the experiment and then write what we found out afterwards.

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