



Learning Project- Environment
Autumn 2- Week 2



Age Range- Year 5 and Year 6

Weekly Maths Tasks (aim to do one a day)

- Get your child to play on [Times Table Rockstars](#) .
- Ask your child to show everything they know about **measurement** on a piece of paper. This could be pictures, diagrams, explanations, methods etc. Get them to be as creative as they want to be.
- Here are some [maths tasks](#). Work through the addition and subtraction activities given for each day for their specific year group.
- Practise place value using [this game](#).
- Get your child to work on their [reasoning and problem solving](#) by practising past SATs questions that are broken down into topic areas and have videos linked to them that can be watched if needed. As these are older papers these are suitable for both years 5 and 6. Click on one of the topic areas listed to gain access to the questions.

Weekly Reading Task (aim to do one a day)

- Read the text at the bottom of this document about World Environment day.
- Answer the questions about World Environment Day.
- Ask your child to read a chapter from their home reading book or a book that they have borrowed from the library.
- Following this, ask your child to summarise the events from the chapter. They could bullet point what happened, create a comic strip or present the information in their own creative way.
- Encourage your child to note down any unfamiliar words from the chapter they have read. Explore the meanings of these words by using a dictionary, reading around the sentence or using print conventions.

Weekly Phonics/Spelling Tasks (aim to do one a day)

- Correct the spelling mistakes. At the bottom of this document, read the sentences and fix the spelling mistakes.
- Encourage your child to practise the Year 5/6 Common Exception Words (see list).
- Then ask your child to choose 5 Common Exception words. They can then write a synonym, antonym, the meaning and an example of how to use the word in a sentence.
- Practise spellings on [Spelling Frame](#).
- Get your child to proofread their writing from the day. They can use a dictionary to check the spelling of any words that they found challenging. This will also enable them to check that the meaning of the word is suitable for the sentence.

Weekly Writing Tasks (Aim to do 1 per day)

- Write a diary about everything that you use in a week that gets thrown away/ recycled. Is there anything you can do to reduce the waste?
- Research and write a fact file about Greta Thunberg.
- Research and write a letter to a local MP about Plastic Pollution. Include facts and solutions.
- Read and summarise [this information](#) about climate change and how it effects Penguins and Polar Bears.

Learning Projects (to be done throughout the week)

The project this week aims to provide opportunities for your child to learn more about the environment. Learning may focus on changes to different environments, the impact of humans on environments, climate change etc.

Do People Intentionally Damage an Area? - Ask your child to imagine that a new park, housing development, restaurant or other structure is being built on green land near their home. How might this be positive for the environment? How might this be negative for the environment? Create a poster that explains the pros and cons of this new development. Consider wildlife, air and noise pollution and jobs.

Air Quality Improvement - Air quality has been debated across the globe and many are concerned that pollution is making the quality of air poor in many countries. However, in Birmingham they are introducing 'Clean Air Zones' from around July 2020. With this in mind, ask your child to create a set of questions that they could ask their parents, grandparents or other family members about how their local area of Birmingham has changed over time. Afterwards, they can interview their family members and then make a video news report about what they have discovered.

Go Noodle- Each day choose a different Go Noodle activity. Remember you should be active for a least 2 hours a week.

Additional Learning

Classroom Secrets Learning Packs - These packs are split into different year groups and include activities linked to reading, writing, maths and practical ideas you can do around the home.

Twinkl - to access these resources click on the link and sign up using your own email address and creating your own password. Use the offer code UKTWINKLHELPS.

Headteacherchat - This is a blog that has links to various learning platforms. Lots of these are free to access.

World Environment Day 2019

World Environment Day is an important event that takes place on 5th June every year. Since beginning in 1974, the event has grown in popularity and is now celebrated in over 100 countries all over the globe. Each year, a different country is chosen to host the celebrations and a theme is chosen that highlights environmental issues in that country. This year, China is the host country and the theme is 'air pollution'.

World Environment Day aims to tackle air pollution by urging governments, industry, communities and individuals to explore new technologies and improve air quality around the world.

Why Air Pollution?

- Nine out of ten people in the world breathe polluted air.
- Approximately 7 million people die prematurely due to air pollution every year.
- £4 trillion a year is spent on care for people with illnesses related to air pollution, such as asthma and emphysema.

Causes of Air Pollution

There are several different causes of air pollution, and it is important to understand what they are, how they can affect our health and what can be done to improve the air around us. The five main types of air pollution are:



Household Pollution

Causes: When fossil fuels (coal, oil or natural gas) are burned to heat homes and cook food, they release dangerous chemicals into the air.

We can help by... using modern equipment and renewable energy sources, such as solar power.



Industrial Pollution

Causes: Producing energy (such as electricity) in power stations and diesel generators contributes to air pollution. Lots of factories use chemical processes and the mining industry also creates air pollution.

We can help by... switching to renewable energy methods, such as solar and wind power and saving energy by not using as much.

Transport Pollution

Causes: Vehicles are responsible for almost a quarter of carbon dioxide emissions. Diesel engines are the most dangerous as the fumes contain soot and other materials that cause harm to the human body.

We can help by... walking, cycling and using public transport where we can, as well as using electric cars, which do not give off exhaust fumes.

Agricultural Pollution

Causes: Gases such as methane and ammonia are created by farm animals and pollute the air. Also, the burning of animal waste releases harmful chemicals into the air.

We can help by... reducing our food waste. Farmers can feed their livestock (animals) high quality food to reduce the production of methane.



Waste Pollution

Causes: 40% of all waste is burned in landfills, polluting the air with harmful gases.

We can help by... recycling, reusing and composting as this will greatly reduce the amount of pollution created through disposal of waste products.



Did You Know...?

Volcanic eruptions, dust storms and other natural processes can also cause air pollution. Tiny particles from sand and dust storms can be blown thousands of miles. In October 2017, storm Ophelia hit the UK, causing the sky to look red because of dust particles from Europe and southern Africa!

1. Which year did World Environment Day start? Tick **one**.

- 1947
- 1973
- 1974
- 1993

2. Match each cause of pollution to its name.

Household Pollution ●

Industrial Pollution ●

Waste Pollution ●

● The burning of rubbish in landfills releasing chemicals into the air.

● The burning of fossil fuels in homes.

● Air pollution caused by the production of energy.

3. Give **three** examples of ways in which people can help prevent air pollution.

4. How much money is spent each year to care for people with air pollution related illnesses?

5. What is the theme for this year's World Environment Day?

6. Give an example of a fossil fuel.

7. Which cause of air pollution do you think would be the easiest to prevent? Why?

8. Which cause of air pollution did you find most surprising? Give a reason for your answer.

Year 5 and 6 Correct the Spelling Mistake

The spelling mistakes in these sentences have been circled. Write the correct spelling for each circled word in the box.

1. During the match, Billy scored an eksellent goal.
2. This term, we're learning all about the anshent Greeks.
3. The doctor used a thermometer to check Eli's tempricher.
4. A tomato is not a vegtible; it's actually a type of fruit.
5. Fourty cows escaped from a neighbouring field last week.
6. "I sujest that you stop that immediately," warned the teacher.
7. My gran uses an identitie card to get into her place of work.
8. What category does this book need to go in?
