

Year 6
Home Learning 8

Here are some topics which you can work from at home. All work can be recorded in a way you choose.
The theme for this week is **The Environment**

Each day we put a 'Word of the Day' on the grid below. See if you can:

- Find the definition
- Use the word in a sentence
- List any synonyms
- List any antonyms
- Use the word in a different context
- Use an image to represent the word - be creative!

Day	Word	English	Maths	Science	Physical	Transition activities (ready for Yr7)
Monday	achieve	<p><u>Reading and Research</u> Have a look at the website:</p> <p>https://www.ducksters.com/science/environment/</p> <p>Can you answer the following questions?</p> <p>What is environmental science?</p> <p>What are Nutrient Cycles?</p> <p>Can you tell me an interesting fact about the environment?</p> <p>Complete the reading comprehension attached below.</p>	<p>Topic: Fractions <i>Representing Fractions</i></p> <p>https://www.thenational.academy/year-6/maths/representing-fractions-year-6-wk1-1</p>	<p>What is renewable and non-renewable energy? Complete the activities on:</p> <p>https://www.bbc.co.uk/bitesize/topics/zp22pv4/articles/ztxwqty</p>	<p>Start a challenge for this week.</p> <p>Challenge</p> <p>Step it up – This week your task is to start jogging. This can be around the house (you could jog on the spot) or in the garden. Each day try to increase the amount of time you jog for. This could be an extra minute each day.</p> <p>Balancing Act</p> <p>How to Play: Playing in pairs: One player stands with their arms outstretched.</p> <p>The other player has 1 minute to</p>	<p>Create a drawing of your special memory. You could frame this in a photo frame. You could draw a favourite lesson, a funny moment with friends, a school trip, their favourite teacher or a job role they were proud of.</p> <p>You could also capture your memories by creating a 'Memory Jar'. Using coloured paper write down your favourite memories. You can use different colours to show different categories of memory e.g blue for friendship, yellow for</p>

Tuesday	conscience	<p>SPaG.com Log onto SPaG.com and complete the online tasks.</p> <p>If you do not have access to the online resources. See the attached activity below.</p>	<p>Topic: Fractions <i>Understanding Equivalence</i></p> <p>https://www.thenational.academy/year-6/maths/understanding-equivalence-year-6-wk1-2</p>	<p>What is waste? Complete the activities on: https://www.bbc.co.uk/bitesize/topics/zp22pv4/articles/z2rhcj6</p>	<p>safely balance as many items on the first player as possible.</p> <p>✓ When the time is up, count how many items are balanced and then swap over. Who can balance the most items on their partner?</p> <p>To progress – difficult items can be worth more points.</p> <p>Equipment: Socks, tea-towels, books, coat-hangers, toys, etc.</p> <p>How to score: Award 1 point for each item balanced successfully. Or 1 point for easy items and 2 points for difficult items.</p> <p>The player with the most points wins.</p> <p>If an item falls off, it must not be</p>	<p>teachers, red for favourite lessons, green for school trips. Use a jam jar or a plastic bottle to collect your memories; you could even personalise your jar with decoration.</p> <p>During your time at secondary school, you will encounter a variety of different experiences. Interview someone about how they coped with some of the changes they faced at secondary school. This could be a member in your household. Consider what questions you could ask e.g. how did you make new friends? What did you do if you got lost? What did you do if you forgot your PE kit/forgot to do your homework?</p>
---------	------------	--	---	--	--	--

Wednesday	determined	<p>Writing Your task is to write a powerful speech about the environment.</p> <p>Choose an aspect of the environment you would like to write about, for example:</p> <ul style="list-style-type: none"> • Deforestation • Climate change • Pollution • Habitat destruction <p>Research facts about the topic. Introduce your topic in the opening paragraph and state your reason for writing. Ask rhetorical questions to grab your reader's attention.</p> <p>Start a new paragraph for each point made.</p> <p>Support each point with facts, quotes or statistics.</p> <p>Use emotive language and personal opinion throughout.</p> <p>Repetition of your main points will ensure your message is understood.</p> <p>Your conclusion should summarise your main points and leave your audience with a final thought to consider.</p>	<p>Topic: Fractions <i>Finding equivalent fractions</i></p> <p>https://www.thenational.academy/year-6/maths/finding-equivalent-fractions-year-6-wk1-3v</p>	<p>How do human beings affect the environment? Complete the activities on: https://www.bbc.co.uk/bitesize/topics/zp22pv4/articles/z2md82p</p>	counted.	
-----------	------------	---	---	---	----------	--

Thursday	exaggerate	<p>Speaking and Listening Prepare your speech by creating prompt cards. This will help you to remember key/important facts.</p> <p>Perform your speech to the people you live with.</p> <p>Can they ask you questions about your topic and can you answer them?</p>	<p>Topic: Fractions <i>Compare fractions less than one</i></p> <p>https://www.thenational.academy/year-6/maths/compare-fractions-less-than-one-year-6-wk1-4</p>	<p>Investigate what a carbon footprint is.</p> <p>Can you create a mind map with different ways to shrink carbon footprints?</p>		As you move to secondary school, it is important that you consider your hopes and concerns. Using an outline of a face, draw the aspects of secondary life that you are looking forward and what you are a little bit nervous about.
Friday	environment	<p>Spelling Choose 10 different Year 6 spelling words and write a paragraph which includes them all. Can your paragraph include information about the environment?</p> <p>Log on to Spelling Shed and complete this week's activities.</p>	<p>Topic: Fractions <i>Compare fractions greater than one</i></p> <p>https://www.thenational.academy/year-6/maths/compare-fractions-greater-than-one-year-6-wk1-5</p>	<p>You could have a go at filling in this carbon footprint questionnaire with the people you live with:</p> <p>https://footprint.world.org.uk/#/</p>		

Reading Comprehension Activity

World Environment Day

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.

It is clear that air pollution is having a serious impact on the Earth and on our health. Something needs to be done to reduce the amount of pollution that is in our atmosphere.

Causes of Air Pollution

There are several different types 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 Household pollution is caused by the burning of fossil fuels (such as coal, oil or natural gas) to heat homes and cook food. When these are burned, these fuels release dangerous chemicals into the atmosphere thereby polluting the air. We can help by... using modern equipment and renewable energy sources, such as solar power.	Industrial Pollution In many countries, the production of energy, such as electricity, can create air pollution. Coal-burning power stations and diesel generators are particularly to blame. Lots of factories use chemical processes and the mining industry also contributes to air pollution. We can help by... switching to renewable energy methods, such as solar and wind power and saving energy by reducing how much we use. power and saving energy by not using as much.
--	---



Transport Pollution

Almost a quarter of carbon dioxide emissions are caused by pollution from vehicles. Diesel engines are the most toxic 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; these do not give off exhaust fumes.

Agricultural Pollution

Methane and ammonia are gases released by farm animals, such as cattle, which both pollute the air. In addition, the burning of animal waste also contributes to air pollution.



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

Around the world, 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 the disposal of waste products.



Did You Know...?

Some causes of air pollution are natural – 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, greatly diminishing the quality of the air. A recent example of this was when storm Ophelia hit the UK in October 2017, when dust particles in the air from Europe and southern Africa made the sky look red.

Questions

1. Where is World Environment Day going to be hosted this year? Tick **one**.

- ☐ All around the world
- ☐ China
- ☐ London
- ☐ France

2. The word **prematurely** is closest in meaning to... Tick **one**.

- ☐ adult
- ☐ too soon
- ☐ pollution
- ☐ chemicals

3. Read the **Did You Know...**? section.

Find and copy a word that means **decreasing, reducing, or lowering**.

4. Explain in your own words why it is important to try to prevent air pollution. Use evidence from the text in your explanation.

5. What **two** things are the main contributors of industrial pollution?

6. What do you think you could do to help prevent air pollution? Refer to the text in your response.

7. Why do you think the popularity of World Environment Day has grown since 1974?

8. How could a farmer help prevent air pollution?

9. Which cause of air pollution do you think is the most dangerous and why?

SPaG Task

Is It a Noun or Is It a Verb?

Some words can be used as both as nouns and verbs, which can get very confusing! Try and remember this little trick to help you use these particular words in different ways within your sentences.

The word 'point' can be both a noun and verb. To use 'point' as a noun, put a determiner like 'a', 'an' or 'the' before it, e.g. Henry sharpened his pencil to a point. (noun) To use 'point' as a verb, put the word 'to' before it, e.g. The little girl started to point out of the coach window. (verb)

1. Read these sentences. Is the underlined word being used as a noun or a verb?

- a) Gemma wrote the email and pressed 'send'.....
- b) Standing by the computer, Adam waited for his friend to email him.
- c) Every time he told a joke, Amina's dad giggled to himself.....
- d) Isabelle liked to joke with her friends.
- e) Abigail quickly ate some breakfast – she knew she would need to race to school so she wasn't late.....
- f) Jumping as fast as he could, Daniel won the race.....

2. Now it's your turn. Use these words in two different sentences: one where the word is used as a noun and one where it is used as a verb.

- a) Write a sentence using the word 'smile' as a verb.

.....

- b) Write a sentence using the word 'smile' as a noun.

.....

- c) Write a sentence using the word 'pop' as a verb.

.....

- d) Write a sentence using the word 'pop' as a noun.

.....

- e) Write a sentence using the word 'fly' as a verb.

.....

- f) Write a sentence using the word 'fly' as a noun.

.....

- g) Write a sentence using the word 'look' as a verb.

.....

- h) Write a sentence using the word 'look' as a noun.

.....