



Age Range: Y3/4

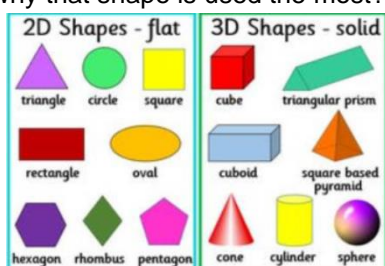
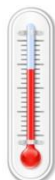
Extra Challenges

We know that for many of you, the five weekly Learning Grid activities are enough for your family to complete throughout the week. However, this week we have included some other activities if you would like an extra challenge for your child. These are very much optional so please do not feel pressured to complete all the activities. Any Oak National Academy videos included have been set up by teachers from across the country who have created groups of lessons for every year group during this period of school closure. These videos are very comprehensive as the lessons progress through the week. They are very child friendly with clear graphics for the children to follow at their own pace.

Weekly Maths Tasks Aim to do 1 per day as well as your weekly learning on [Maths Shed](https://www.mathshed.com/)
<https://www.mathshed.com/>

Weekly Reading Tasks (Aim to do 1 per day)
Log in to [Read Theory](https://readtheory.org/auth/login) Your child has an individual login for this. <https://readtheory.org/auth/login>

- YEAR 3: Watch the White Rose Summer Week 1 Lesson 4 and 5. Next, Summer Week 2, Lesson 1. Then, fill in the worksheets.
<https://whiterosemaths.com/homelearning/year-3/>
- YEAR 4: Watch White Rose Week Commencing April 20th Lesson 1, 2 and 3 (we're not following the WRM dates). Then, fill in the worksheets.
<https://whiterosemaths.com/homelearning/year-4/>
- Draw 20 random lines across a piece of A4 paper. Make sure that these lines overlap. Colour each section a different colour. What shapes can you see in your picture? What angles can you see in your picture?
- Research temperature at the North Pole and temperature at the equator (you may wish to use Kampala, Uganda as an equatorial town). Collect temperatures for each month of the year. Calculate the difference in temperature between the two places each month. At what point is there the biggest temperature difference?
- Use this website to answer the questions under the 'Understand fractions' heading. If you are not sure, click the button 'Learn with an example'. For free, you can answer 10 questions per day.
<https://uk.ixl.com/math/year-3>
<https://uk.ixl.com/math/year-4>
- Go on a shape hunt! How many of these 2D and 3D shapes can you find around your house? Which is the most common shape in your house? Can you reason why that shape is used the most?



- Complete the reading comprehension on the environment. We have attached 2 of these – one more suited to Year 3 and one for Year 4.
- Listen or read along to the poem 'Air' by Michael Rosen. Can you write your own verses about air? <https://childrens.poetryarchive.org/poem/air/>
- Challenge your child to complete an author study of one of their favourite authors. Can they create a list of their famous books and tick the ones they have read? Can they learn enough about the author to write a biography of their life?
- Can you recreate a book cover? Choose your favourite book and see if you can recreate the front cover using costumes and a camera! An example of this would be:



- Visit www.wizardingworld.com to hear Harry Potter actors read through the books! First up is Daniel Radcliffe reading The Philosopher's Stone.

Extra Challenge:

Watch this short clip:
<https://www.literacyshed.com/windmillfarmer.html>
Create an emotions line graph charting the farmer's mood from hopeful optimism at the beginning of the film, the joy of seeing his crop flourish, into despair after the destruction. Label with the feelings he goes through. How descriptive can you be?

Extra Challenge: Did you know that at the end of a television program the date that it was filmed is shown in Roman Numerals? As you are watching some of your favourite programmes, make a note of the Roman numeral date and convert this to our number system. Collect information about a number of programmes. Which is the oldest/newest?



Weekly Spelling Tasks (Aim to do 1 per day)

- Practise the Year 3/4 **Common Exception** words using the crossword puzzle attached.

http://www.crosslee.manchester.sch.uk/serve_file/253974

- Practise your spelling on **Spelling Shed**.

<https://www.spellingshed.com/en-gb>

YEAR 4:

Group 4 – Prefixes super- anti- auto- - Week 29

Group 2 – 'er' sound spelled with o or ar – Week 27

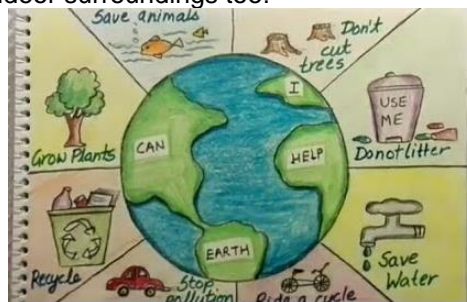
- Become a crystal explorer and improve your spelling. Can you list synonyms (words with the same meanings) for practised words?
<https://www.bbc.co.uk/games/embed/crystal-explorers?exitGameUrl=http%3A%2F%2Fbbc.com%2Fbit%2Farticles%2Fz6m8scw>
- Learn about word families. Your child can show their learning by designing a word family reminder poster. <https://www.bbc.co.uk/teach/super-movers/ks2-english-word-families-with-the-dumping-grounds-tyler-sasha/z7r6kmn>
- Learn how to spell the names of the seven continents of the world. Write them in alphabetical order and then write them in order of area size of the continents.
Challenge yourself with now learning how to spell all the world's oceans. There are five.

Extra Challenge: If you enjoyed finding out about the world's oceans, see if you can correctly spell the names of 20 different countries. You may wish to write them alphabetically or in order of distance from the UK.



Weekly Writing Tasks (Aim to do 1 per day)

- Write a diary entry to a family member telling them all about how your day or week has been.
- Write a persuasive letter to someone about an environmental issue. This could be about recycling, air pollution, food waste, climate change. Features of a persuasive text have been included below.
- Draw your dream destination and then write a postcard to someone you know, describing what it is like. A template is available on Purple Mash.
- Write/create an environmental leaflet/poster on the importance of looking after your environment. You may wish to write about your indoor surroundings too!



- Write a book/film review of a book/film that you have recently seen. Think about who the film was made for. Did you like or dislike it? Would you recommend it? Is it worth 5 stars? If you want to use it, that is a template on twinkl here (login information below):
<https://www.twinkl.co.uk/resource/t2-e-1438-film-review-writing-template>
If you want to stick with the environmental theme then films like Fern Gully: The Last Rainforest, Wall-E, Happy Feet or Over the Hedge all have important messages.

Extra Challenge: Can you write a poem, song or rap about recycling? It may be catchy, so people remember it or have crazy dance moves! You could have a look at the 5 lessons from Oak Academy for step by step help with this (scroll down to 'Persuasive writing'): <https://www.thenational.academy/online-classroom/year-4/english#subjects>

You may also wish to enter a writing competition! See the "Additional resources" section for more information.

Learning Project - to be done throughout the week

Remember to complete your [Purple Mash](https://www.purplemash.com/sch/standrewskt11) activities as well. <https://www.purplemash.com/sch/standrewskt11>

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.

- **Let's Wonder:**

What is the weather like around the world? Which countries are most likely to have a snowstorm, torrential rain, heat waves? Find out about natural disasters such as forest fires, earthquakes, tsunamis, floods and tornadoes. How is climate change having an effect on the weather and natural disasters? Watch a video on natural disasters here:

<https://www.youtube.com/watch?v=HaEmlakO7f4>

- **Let's Create:**

Using recycled materials to design and make a recycling mascot to spread the word about the importance and need to recycle. Think about what it is going to look like. Which materials are you going to use? How are you going to join the materials together? Once completed, remember to evaluate your mascot. What would you do differently next time? Which parts did you find the most challenging and why?



- **Be Active:**

Get into the garden and practise throwing and catching skills and keeping control of ball-based equipment like bats and balls. Inside, you could play balloon tennis. How many times can you hit the balloon between you without it touching the floor? How about trying the Toilet Roll Keepy-Uppie challenge.

If you have a smartphone, you may wish to download the app 'Seek'. This allows you to take photos of plants and animals and the app will tell you which species it is, along with lots of information. It's completely free and you can earn stickers and badges too! Go for a walk and see how many you can identify near your house.

- **Time to Talk:**

Discuss environmental issues in the UK. **Air pollution, climate change, litter, waste, and soil contamination** are all examples of human activity that have an impact in the UK. What are the global environmental issues? Processes that contribute to the global environmental issues include pollution, global warming, ozone depletion, acid rain, overpopulation, waste disposal and deforestation. These processes have a highly negative impact on our environment. Decide as a family how you could 'do their bit' to look after their environment e.g. you could set up a recycling station in your home; Paper, plastics and glass.

- **Understanding Others and Appreciating Differences:**

Throughout our lives, culture and experience shapes worldviews. Children growing up in the Netherlands, for example, have a much different understanding of the role of water in their lives than their peers in the Sahara Desert. The difference between the amount of water in each of these physical environments affects every aspect of their respective cultures. Think about food. How do you think people view food in the UK compared to those living in Ethiopia for example? Research a country where food and water are scarce. Find out about charities that help people in need, [Red cross](https://www.redcross.org.uk/), [Christian Aid](https://www.christianaid.org.uk/), [Islamic Relief](https://www.islamic-relief.org.uk/) or other charities that are significant to them. <https://www.redcross.org.uk/> <https://www.christianaid.org.uk/> <https://www.islamic-relief.org.uk/>

Additional learning resources parents may wish to engage with

Vocabulary Ninja - This gives you a word of the day with synonyms and antonyms as well. Why not try to add a new word to your vocabulary each day! <https://www.vocabularyninja.co.uk/word-of-the-day.html>

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. <https://classroomsecrets.co.uk/free-home-learning-packs/>

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.

https://www.twinkl.co.uk/offer/UKTWINKLHELPS?utm_source=promo&utm_medium=email&utm_campaign=England_coronaviruss_schools_email&utm_content=offer_link

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

<https://www.headteacherchat.com/post/corona-virus-free-resources-for-teachers-and-schools>

Practise your times tables using [BBC supermovers](#). It is a good way to keep active too!

Year 3: focus on 3, 4 and 8 times tables.

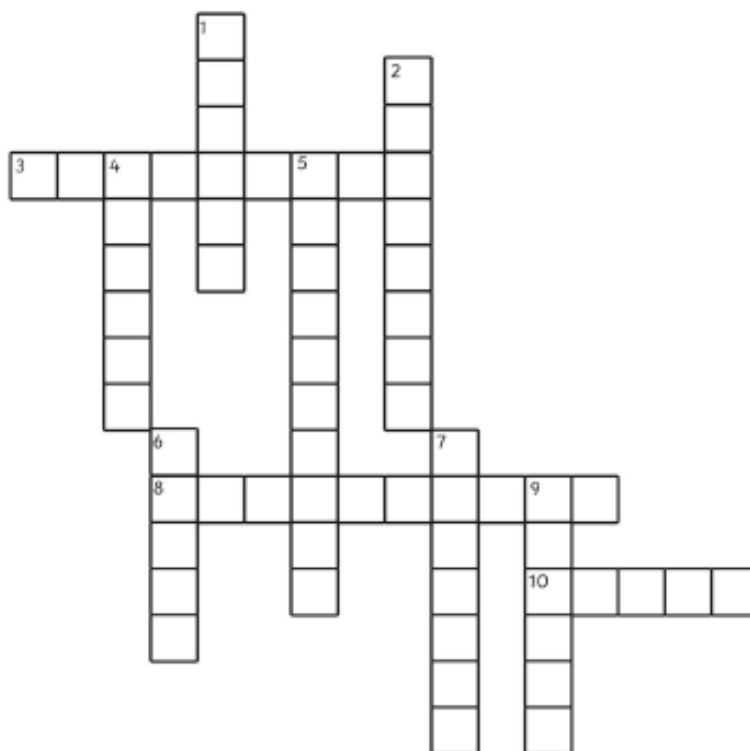
Year 4: Focus on all times tables but especially 6, 7 and 9 times tables.

<https://www.bbc.co.uk/teach/supermovers/times-table-collection/z4vv6v4>

Writing Competition! - Visit <https://authorfy.com/masterclasses/awritelaugh/> for details. You must write a story, of no more than 500 words, which makes you laugh. Competition closes on 31st May, but there are some awesome prizes to be won!

St Andrew's Primary Learning Projects

Spellings Crossword



Across

- 3. Not identical.
- 8. Knowledge gained from what one has encountered.
- 10. To have control, rule, or influence.

Down

- 1. Not long past.
- 2. Starchy vegetables.
- 4. Renowned, has a widespread reputation.
- 5. A test or trial.
- 6. An organ that pumps blood around the body.
- 7. To have confidence in something without absolute proof.
- 9. A shape with one edge.

Persuasive Letter Writing Word Bank

Greetings

Dear Mrs May,
Dear Mr Brown,
Dear Sir or Madam,

Opening Sentences

I agree that...
It is my belief that...
Some people believe that...
Recent figures reveal...

Introductions

For this reason...
I am sure that...
It is certain...
In the same way...

Details

For example...
In fact...
In support of this...
Statistically...

Causal Conjunctions and Adverbials

accordingly
consequently
hence
thus
otherwise

Conclusions and Summaries

As you can see...
Without a doubt...
In brief...
On the whole...
Undoubtedly...

Closing Farewell

Yours sincerely,
Yours faithfully,

Vocabulary

arguments
unfair
support
persuade
imperative
pros/cons

Persuasive Letter Writing

	Self -Check
The sender's address is on the right.	
The recipient's address is on the left.	
The letter shows the date on which it was written.	
There is a greeting to the recipient.	
The opening sentence hooks the reader and explains why you are writing.	
There is an introduction.	
The text is organised into paragraphs, which each have their own point.	
Each point has arguments to support it.	
There is a conclusion which summarises the main point of the letter and reiterates the opinion.	
The letter finishes with 'Yours faithfully' if you do not know the name of the recipient or 'Yours sincerely' if you do.	

Air Pollution

Humans and animals all need to breathe. Sadly, the air that we breathe in is not always as clean as it should be. Over 7 million people around the world die early each year due to air pollution and nine out of ten of us do not breathe clean air. Air pollution is therefore 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.



What is Air Pollution?

Air pollution means that there are harmful chemicals in the air that can be very bad for our health.

There are five main ways in which air becomes polluted.

Household Pollution

We burn fossil fuels to heat our homes and to cook our food. This releases dangerous chemicals into the atmosphere.



Industrial Pollution

Large factories are a major cause of air pollution. They burn coal to produce energy and then pump dangerous materials into the environment.



Transport Pollution

Car and vehicle fumes are a big cause of air pollution. Diesel engines are the most dangerous as the fumes contain gases that cause harm to the human body.



Farming Pollution

Farm animals give off a gas called methane which damages our climate. The burning of animal waste also releases dangerous gases into the environment.



Waste Pollution

Rubbish pollutes the atmosphere. Waste products that are left in landfill sites naturally release harmful chemicals, even if they are not burned.



World Environment Day

World Environment Day is held every year on 5th June. It is the biggest yearly event that focuses on the environment and the need to take better care of it. In 2019, the theme is 'Air Pollution'. China are hosting it but over 100 countries will be involved. The aim is to encourage governments, industries and individuals to do more to improve the quality of the air that we all breathe.

What Can We Do to Reduce Air Pollution?

There are lots of things that people can do to help improve the quality of the air that we breathe. These include:

- using the car less; walk or cycle more;
- eating less meat;
- turning the heating down or putting on a jumper;
- driving electric cars;
- reducing the amount of plastic that you buy and throw away.



Questions

1. How many people around the world die early because of air pollution? Tick one.

- ☐ 9 million
☐ 7 million
☐ 2 million
☐ 7 thousand

2. Fill in the missing words.

Air pollution is therefore having a _____ impact on the earth and on our health.

3. Draw lines to match the types of pollution with how it is caused.

Household

burning animal waste
releases gases into the
atmosphere.

Industry

car fumes are a major
cause of air pollution.

Transport

burning fossil fuels to
heat our homes releases
chemicals.

Farming

rubbish and plastics
in landfill sites release
chemicals.

Waste

factories pump dangerous
materials into the
environment.

4. When is World Environment Day?
- _____

5. What is the theme of World Environment Day in 2019? Tick one.

- ☐ Plastic Pollution
☐ Climate Change
☐ Respect for All
☐ Air Pollution

6. Which country is hosting this year's World Environment Day? Tick one.

- ☐ India
☐ UK
☐ China
☐ Australia

7. Name at least **three** ways in which we can all help to reduce air pollution.

Air Pollution

Year 4

The air that we breathe is not as clean as it should be. In fact, nine out of ten of people from around the world breathe in polluted air. Air pollution can cause both long and short-term effects on health and for people who have asthma and lung conditions, it can even be deadly. In fact, over 7 million people around the world die early due to air pollution. Air pollution is therefore having a serious impact on the earth and on our health and something needs to be done to reduce the amount of pollution that is in our atmosphere.



Causes of Air Pollution

Air pollution is a mix of harmful and poisonous pollutants that occur in the air around us, such as carbon dioxide, methane and soot. Most of the air pollution is caused by the burning of fossil fuels such as coal, oil and natural gas. Understanding the different types of pollution is important because it occurs everywhere. Most households burn fossil fuels to heat their homes and to cook their food. This releases



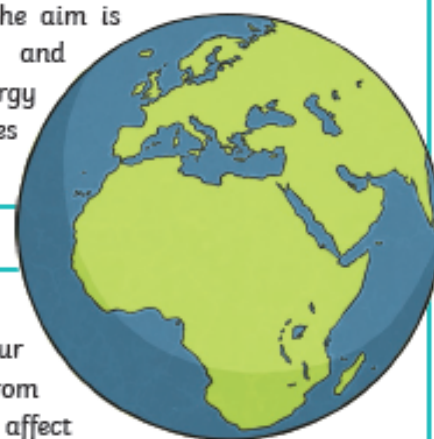
dangerous chemicals into the atmosphere. Large coal-burning factories are a major cause of air pollution. They pump dangerous materials into the environment which has contributed to climate change. One quarter of all air pollution is believed to have been caused by pollution from the vehicles that we drive. Diesel engines are the most dangerous as the fumes contain soot and other materials that cause harm to the human body. Livestock, such as cows, give off a gas called

methane which damages our climate when released. The burning of animal and agricultural waste also releases dangerous gases into the environment. When rubbish is burnt, it pollutes the atmosphere. Even if it isn't burned, waste products naturally release harmful chemicals, especially plastic products.



World Environment Day

On 5th June 1974, the UN (United Nations) introduced World Environment Day. This annual event is an opportunity for the whole world to consider how we can protect and enhance the world in which we live. China will be hosting this year's event and over 100 countries will be involved. The theme for 2019 is 'Air Pollution' and the aim is to encourage governments, industries and individuals to explore using cleaner energy and environmentally-friendly technologies to reduce air pollution.



Making Changes

Every time we drive to school, dry our hair, heat our homes or buy products from the supermarket, we make choices that affect air pollution. Therefore, we can all do our part to reduce air pollution and to improve the quality of the air that we breathe. Making a few small changes in our everyday lives will make a positive impact on improving the quality of air that we breathe. For example, we could all reduce the number of journeys we make in the car and walk or cycle instead. We could eat more plant-based products or by simply turning down the heating a degree or two, we will also use less energy. Another way to reduce air pollution is to stop driving petrol and diesel cars and start driving electric ones instead.

Questions

1. Name **three** chemicals and substances that are in polluted air.

2. What are coal, oil and natural gas? Tick **one**.

- ☐ chemicals
☐ fossil fuels
☐ waste products
☐ medicines

3. How much of all air pollution is caused by transport pollution? Tick **one**.

- ☐ 90%
☐ half
☐ one quarter
☐ three quarters

4. Which type of engine is the most dangerous?

5. Explain in your own words how agriculture contributes to air pollution. Explain your answer fully.

6. **Find and copy** a word that shows that World Environment Day occurs every year.

7. What do the United Nations hope will happen as a result of the 2019 World Environment Day? Explain your answer fully.

8. Explain how we are all responsible for contributing to air pollution and what we can do to reduce it.
