

Home Learning Introduction: Topic 3(a)



We hope you are all keeping safe and well. The following activities are based around the theme of **Earth, Wind, Fire and Water**. As there is a lot in this topic the next week will be a continuation. These may be of help to you, particularly if you are trying to manage several children's needs or have limited access to the Internet.

Page 1: activities – no IT needed

Page 2: web links - if you have internet access and some extension

The most important thing is that you are calm for your children and should only do whatever you can manage. Remember that children also learn a lot through play such as Lego and playing games and even through chores such as helping to prepare a meal. Great learning can happen when it's not always adult directed.

The following help with alleviating stress:

- Connect with others – arrange a time for your children to connect with friends (and you too!)
- Exercise
- Do things you all enjoy together
- Don't focus too much on the news
- Share and talk about feelings – all feelings are okay!

Maths

How much water do we use?

These are some approximate measurements for how much water we use in the house:
l = litres

Shower: 35 l
Bath: 80 l
Cleaning teeth (tap off): 1 l
Cleaning teeth (tap on): 6 l/min
Washing hands: 1 l
Flushing a toilet: 8 l

Washing up: 6 l
Filing up a kettle: 2 l
Washing machine: 65 l/load
Dish washer: 25 l/load

Tally up how much water you and your family use over 1 week. What is the total amount? Can you make a bar chart to show this?

A leaking tap!

A leaking tap or pipe can cost you money! Can you work out what money would be lost from a leaking tap?

'A tap is leaking at the rate of 2 litres of water every hour. The average cost of water is 0.2p per litre.'

How much water would be lost over 1 day, 30 days, 150 days and 365 days (1 year)?

What would the cost of that lost water be over 1 day, 30 days, 150 days and 365 days?

How many buckets?

During the Great Fire of London they had to fill buckets with water. Choose one large container to be your fire bucket (could be a bucket or washing up bowl) Then choose 3 smaller and each different containers e.g. mug, empty bottle, etc. Use these to fill up your bucket. Make an estimate before you fill them up, were you right? Which container was the quickest to fill up the bucket?

Challenge: If 1 pint of milk = 568ml

Estimate how much each container holds then work out what your 'bucket' held in total!



Literacy

Shakespeare's Birthday - Be a playwright too! Shakespeare was born on 23rd April. He wrote a play when he was in isolation from the plague.

Either: Write a play about the legend of St George and the dragon (St George's day is also 23rd April)

This is what happens:

A town was terrorised by a dragon which captured a princess. When George heard this he rode into the village, slayed the dragon and rescued the princess

Or write a scene from a play by Shakespeare - Macbeth

A young soldier won a battle for his king. On the way home he saw 3 old witches. They told him he would be rich and powerful **only** if he killed the king. His wife wanted him to do this so they could become King and Queen

Remember: only write down the characters say and in brackets (include what they do)

Earth Day 22nd April 2020

Earth day is to raise awareness of how to look after our environment. The focus this year is on having clean air. Could you make a poster showing our world full of clean air?

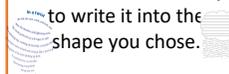
Create a family pledge (promise) as to how you will all be greener at home – is there anything you can **reuse** before throwing away? Can you **recycle** more? **Reduce** the amount of electricity, petrol, water, plastic?

Write notes on objects round the house to remind you e.g. switch me off on light switch.

Shape poems:

Poems can be written in a shape form to reflect what the poem is about. Choose Earth, Wind, Fire or Water and then decide on an image for it e.g. flame, tree blowing, cloud, wave, raindrop etc.

Think of all the adjectives, powerful words, look at the shape - what personification, similes or metaphors could be used to describe it e.g. licking up the wood with a tongue of red and gold. Once you have your ideas choose the best, make a line etc. And then try to write it into the shape you chose.



Science

Light of many colours

Many children across the country have been decorating their windows with colourful rainbows but do you know how are rainbows made?

Make an indoor rainbow at home!

What you need:

- A bright sunny spot near a window
- A white piece of paper
- A clear glass filled half with water

Place the glass on the paper in front of the window. Can you see the rainbow on the paper? (You may need to hold the glass of water up against the light – keep looking at the piece of paper for the rainbow!)

1. How many colours do you see? What are the colours?
2. Where do you think these colours come from?

Ext: What is refraction?



Solid, Liquid or Gas?

A liquid is a substance that flows and can be poured easily. A solid is a substance that can be picked up. A gas is a substance that floats around freely.

Make a table labelled with 3 columns: solids, liquids and gases. How many examples of solids, liquids and gases can you find around you?

Ext: What is a non-Newtonian liquid?
Quiz: What am I? A solid, liquid or gas?

1. The particles inside me are close together but random. They move over each other. What am I?
2. The particles inside me spread out and move quickly in all directions. What am I?
3. The particles inside me are closely packed together and vibrate. What am I?

Changing states

Solids can be changed into liquids and gases by changing its temperature.

Try at home:

What happens to water when it cools? What will happen to a piece of ice if you hold it in your hand?

Ask an adult to help you: What happens to water when it is heated up?

Ext: At what temperature does water change to ice?

At what temperature does water turn into water vapour?

Don't let me fall!

Choose a small toy and design a parachute for it. You want your parachute material to have air resistance to stop it falling too quickly.

Choose 3 different types of material and investigate which one will make the best parachute e.g. foil, paper, cloth. Make a prediction before you experiment! You will need to cut each material the same size. Make 4 holes in each corner Cut 2 pieces of equal lengths string and attach each length piece to 2 parallel corners (this is so it loops)

Decide the height you are going to test each material from.

Drop your toy from that height with no parachute. How many seconds does it take to fall?

Make a table to record your results and then attach your toy to one of your parachutes and test again.

Count how many seconds this time? Try each material out and count each time – which one was the best and made your toy fall more slowly?

Would it be the same for a different toy? Could you have a parachute race?



Humanities

St George's day 23rd April

St George is the patron Saint of England. He is represented as a courageous fighter who battles with evil and defends the weak. The story of 'St George and the dragon' is a legend so there are many versions. **Can you think of someone who might be a worthy Patron Saint today and why?** What symbol or emblem would they have? Could you design a flag for your patron Saint? Find out about other patron saints of countries around the world.



Where we live – Earth! Continent quiz!

- Can you answer the following quiz questions? Ask all your family members to help you!
1. How many continents are there?
 2. Name all the continents!
 3. Which is the largest continent?
 4. Which continent has the same name as its country?
 5. We live in Great Britain. What continent is Great Britain part of?
 6. Which continent includes all four hemispheres?
 7. Which continent is the most populated?
 8. Which continent is the flattest?
 9. Which continent has the most active volcanoes?
 10. Which continent has the largest rainforest in the world?

Answers can be found on the following page!

Wonderful weather Document the weather for one week.

Make a table and document the weather over the day and across one week. Across one day you could document the weather in the morning, the weather in the afternoon and the weather at bedtime. At the end of the week, how many sunny days were there? Rainy days? Cloudy days? Windy days? Stormy days?

Looking at your table, can you predict what the weather might be like for the following week? Then watch the TV weather or an online forecast to see if your prediction was right!

Ext: What causes weather? Why do you think our different weather patterns are so important? What is wind? How is rain formed?

Topic 3(a): Earth, Wind, Fire and Water Home Learning Hackney



Wellbeing, PSHE and Philosophy for Children:

Earth often describes a person as being loyal and practical.
Wind often describes a person who is adventurous and takes action!
Fire often describes a person as being passionate with lots of energy!
Water often describes a person who is ambitious and dreamy.



What kind of sign are you? Why?



What is happening this week?

- 21st April – the Queen's birthday!
- 22nd April – Earth Day
- 23rd April – St George's Day!
- 23rd April – Shakespeare's birthday!
- 23rd April - World Book Night!
- 23rd April – 23rd May - Ramadan



Things to practice/do every day
Reading, phonics/spellings, times tables, number bonds

Creative Arts

Earth, Wind, Fire and Water Dance:

Listen to a piece of music and decide on movements that you think link to earth/wind/fire/water? Perform your dance to your family!

Design pillars of the 4 elements!

How would you describe in drawings and/or paintings the four elements? Make four rolls from cardboard or paper. Decorate each roll into one element. What signs, symbols and colours would you use to describe each element?

Make the wind chime!

Wind chimes have been around for 1000's of years and believed to bring good luck. Can you make a wind chime mobile? Get a clothes hanger, some string/wool and then find some 'noisy' items. Cut string to different lengths to attach your noisy items. Tie them to the hanger making sure that when the wind blows they touch each other. For big items e.g. cutlery, attach one item. For keys or shells, attach them together.

Topic 3(a): Earth, Wind, Fire and Water

These are links to websites – please practice Internet safety with your children whilst accessing these websites.



Useful website for parents and carers:	The National Education Union has published a new website for providing advice, latest news and resources for parents and carers on the Coronavirus crisis: https://coronavirusandschools.org.uk/advice/ Earth Day 22nd April 2020 https://160g7a3snaig2i1r662yjd5r-wpengine.netdna-ssl.com/wp-content/uploads/2020/04/Menu-for-Homes-Final.pdf
Films and TV shows	Frozen, Wall-E, Planes: Fire & Rescue, The Little Mermaid, Finding Nemo and Finding Dory, Shark Tale, Moana
Websites	https://www.bbc.co.uk/teach/class-clips-video/physical-education--music-ks1-dance-with-the-elements/z7m2y9g https://learning-center.homesciencetools.com/article/four-elements-science/ https://corporate.thameswater.co.uk/about-us/community/schools/classroom-resources/primary-school
Companies/museums/places to visit	us/community/schools/classroom-resources/primary-school National Emergency Museum https://www.visitnesm.org.uk/homeactivities London Fire Brigade: https://www.london-fire.gov.uk/museum/ London Museum of Water and Steam https://waterandsteam.org.uk/at-home-activities/ National Waterways Museum https://canalrivertrust.org.uk/places-to-visit/national-waterways-museum/virtual-tour-of-the-national-waterways-museum

Wellbeing and PSHE

<https://youngminds.org.uk/>

<https://www.annafreud.org/what-we-do/anna-freud-learning-network/covid-19-support-our-tips-for-families-children-and-young-people-and-professionals/>

Religious Education

23rd April – 23rd May - Ramadan

Who observes Ramadan? What happens during the month of Ramadan?

<https://www.bbc.co.uk/teach/class-clips-video/religious-education-ks2-my-life-my-religion-ramadan-and-eid-ul-fitr/zdv7pg8>

<https://www.bbc.co.uk/bitesize/clips/z434wmn>

<https://www.bbc.co.uk/bitesize/topics/zpdt5bk/articles/zjc2bdm>

Literacy

Shape poems:

<https://www.dkfindout.com/uk/music-art-and-literature/poetry/shape-poems/>

<https://www.youtube.com/watch?v=RRG0WBGlvM>

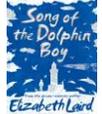
Shakespeare:

<https://www.shakespearesglobe.com/learn/playground/>

St George:

<https://images.scholastic.co.uk/assets/a/20/a9/dragon-pcps-217327.pdf>

Books

EYFS N and R	The Wind Blew: <i>Pat Hutchins</i> https://www.youtube.com/watch?v=jOGegRI079o 	Storm: <i>Sam Usher</i> 	Mr Gumpy's Outing: <i>John Burningham</i> 
KS1 Y1-Y2	Toby and the Great Fire of London: <i>Margaret Nash</i> 	The Street beneath my feet: <i>Charlotte Guillian and Yuval Zommer</i> 	Greta and the Giants: <i>Zoe Tucker, Zoe Persico</i> 
KS2 Y3-Y6	Fantastically great women who saved the planet: <i>Kate Pankhurst</i> 	Song of the Dolphin Boy: <i>Elizabeth Laird</i> 	Mr William Shakespeare's Plays: <i>Marcia Williams</i> 

What is happening this week?

21st April – It is the Queen's birthday! Do you know how old the Queen will be? The Queen 'officially' celebrates her birthday again on the second Saturday in June! Why?

22nd April – Earth Day - how we can better look after our environment?

23rd April – St George's Day! St George's Day is not just celebrated by the English! Do you know the other countries that celebrate St George's Day? What traditions do these countries have in celebrating St George's Day?

23rd April – Shakespeare's birthday!

23rd April - World Book Night! Join millions nationwide reading together for one hour! <https://worldbooknight.org/news/reading-connects-a-nation-in-self-isolation>

Maths

<https://www.anglianwater.co.uk/siteassets/household/in-the-community/05-using-water-at-home.pdf>

<https://www.bbc.co.uk/teach/class-clips-video/math-ks2-capacity-and-measure/z7gkq3>

<https://www.bbc.co.uk/teach/class-clips-video/math-ks2-understanding-how-rainwater-can-be-harvested-using-maths/zm2nrj6>

Science

Light: Rainbows and refraction:

<https://www.youtube.com/watch?v=Cm9ZkYtCNE>

Changing states:

<https://www.dkfindout.com/uk/science/solids-liquids-and-gases/changing-states/>

Parachutes

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

<https://funandeducationalactivitiesforkids.com/home/parachutehttps://www.bbc.co.uk/Science>

<https://www.bbc.co.uk/teach/class-clips-video/ks2-ks3-operation-awesome/z6mrt39>

Humanities

General Websites: <https://www.dkfindout.com/uk/>

St George's day: <https://www.bbc.co.uk/cbeebies/watch/lets-celebrate-st-georges-day>

<https://www.youtube.com/watch?v=IWWt93Uu3iM>

Geography: Quiz answers! Song: <https://www.youtube.com/watch?v=K6DSMZ8b3LE>

1. How many continents are there? **7**
2. Name all the continents! **Africa, Antarctica, Asia, Australasia and Oceania (Australia), Europe, North America and South America**
3. Which is the largest continent? **Asia**
4. Which continent has the same name as its country? **Australia**
5. We live in Great Britain. What continent is Great Britain part of? **Europe**
6. Which continent includes all four hemispheres? **Africa**
7. Which is the most populated continent? **Asia**
8. Which continent is the flattest? **Australia**
9. Which continent has the most active volcanoes? **Antarctica**
10. Which continent has the largest rainforest in the world? **South America**

Weather patterns: What causes weather:

<https://www.dkfindout.com/uk/earth/weather/what-causes-weather/>

An introduction to wind: <https://www.bbc.co.uk/programmes/p0113zqf>

How is rain formed?

<https://www.bbc.co.uk/bitesize/clips/z8qtfg8>

<https://www.metoffice.gov.uk/weather/learn-about/met-office-for-schools>

Creative Arts

Music: <https://www.classicfm.com/discover-music/latest/classical-music-inspired-fire/henry-v-walton/>

Dance: <https://www.bbc.co.uk/teach/class-clips-video/physical-education--music-ks1-dance-with-the-elements/z7m2y9g>

Wind Chimes: <https://www.growingajeweledrose.com/2013/04/spring-art-for-kids.html>



Spanish

<https://www.youtube.com/watch?v=U7W5oKx6g2l&v=en>
<https://www.youtube.com/watch?v=pewoNVDfvik>