Home Learning Introduction: Topic 10 Let's Grow!

We hope you are all keeping safe and well.

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.

Wellbeing and Building Resilience

For resources to support this please click this link to our Padlet: https://padlet.com/HLTWellbeing/jukwcst2scmfbd7t or use this QR code:

Being Kind – Showing You Care

While We Can't Hug by Eoin McLaughlin, illustrated by Polly Dunbar, publisher Faber & Faber (2020)

Some children are now back at school and are seeing their friends from a safe distance. The Government has also said that up to six people from different households can now see each other but only outdoors keeping a safe distance from each other.

In the story 'While We Can't Hug', Hedgehog and Tortoise are best of friends. Just like us, they have to keep their distance from one another. This makes Hedgehog and Tortoise feel sad. Owl reassures them that they can still show each other they care for each other, even from a distance. So Hedgehog and Tortoise decide to: wave to each other, write each other a note and paint each other a picture. This makes Hedgehog and Tortoise smile and feel better as they now know how much they each care for each other!

Some ways you could show someone you care from a distance is:

- When you see that person tell them how much you have thought about them and how much you have missed them!
- If you still can't see that person, give that person a surprise by sending them a message or ringing them unexpectantly just to 'say hello'.
- Plan together a fun activity that you both could do together in the future. Being and feeling hopeful is very important too. How might you show someone you care from a safe distance? What have you been doing at school and at home?

Remember to show yourself that you care for you! Write yourself a letter! Start with 'Dear Me, I think I am special because.... Love me



Watch the story: <u>https://www.youtube.com/watc</u> <u>h?v=2PnnFrPaRgY</u>





Maths

Roots

When we think of the roots of a tree, they are the part of the plant that sit beneath the soil and make the tree. Let's think about square root. I know the number square number is 25 - but what root made it? In this case the tree is "25", and the root is "5" because 5x5=25.

-What is the square root of 9? 36? 64? 100? 169? -ls number 4 a square number or a square root? The square root is smaller than the square number – always, sometimes, never?



Did vou know? Did you know that: 1.85% of plant life is found in the

ocean! (What plants, do you think, live in our seas and oceans?) The country Brazil is named after a tree 3. 70 000 plant species are used in medicines! 4. Trees are the longest living

organisms on our planet!

5. The Stinking Corpse Lilv is the smelliest flower on earth! (What do you think it smells like Why does it have such a pungent

smell. do

you think?) 6. The fastest growing woody plant in the world is the bamboo plant - it grows just under 89 cm a day! (What animal relies on bamboo as their main source of

do. That's what will make the food?) difference. My little thing is 7. Many plants are carnivores! planting trees." (What do you think the Venus Flytrap plant eats?)

Mapping trees: 8. The word 'banana' is an Arabic There is a huge project happening word meaning fingers! to find out where trees are being grown. 9. Oak trees only produce acorns On your walk where you live. look for when they are 50 years old! trees that have been planted. Make a map 10. Cucumbers, avocadoes and showing where they are. Use a key to tomatoes are fruits, not show how many different trees there are. Can you mark on your map

"Until you dig a hole, plant a

tree, water it and make it

survive, you haven't done a

thing. You are just talking."

"It's the little things citizens

vegetables! (Why?) you think more should be? Can you make up a plant-based auiz for someone to answer?!

Deforestation maths

this month?

trees is that?

clear trees that were older than

2.5. The circumference of one

cleared or not?

Humanities

*Given that 40 football fields of forest *You have 24 seeds. Each disappear in the world every minute, seed will produce a flower. how many football pitches disappear You can use as many pots as in one hour? during the school day? you like but you must put * If 137 species become extinct every the same amount of seeds day, how many become extinct in a

week, how many will become extinct Draw pictures to show how many pots you could use. *75% of 120 trees were cleared for a How many different ways new building to be built. How many

Planting seeds

in each pot.

are there? What if you had 48 seeds? *A company were told they could What if you had 480 seeds? What operation did you use 18 years but had to leave the younger to work out this problem? trees. To work out the age of cedar Can you think of any more

trees you divide the circumference by of these types of calculations for an adult to cedar tree was 50cm. Will this tree be work out?



Wangari Maathai: Mama Mati Crops and the slave trade Wangari Maathai was Kenyan and the first Slaves were people captured in Black African woman and Africa and sent to work on environmentalist to win a Nobel plantations (large farms) to help Peace Prize. She saw how deforestation grow crops that would make the

(cutting down trees) was affecting the soil plantation owners money. Being and crops for food could not be grown. She a slave means that someone got more and more women to plant owns you and you do not have seedlings all over Kenya to replace the any freedom. 70% of slaves trees that had been cut down. This was worked to produce sugar with called the green belt movement because others producing the trees looked like a green belt across tobacco, coffee/cotton.

Kenya. She protested and tried to stop the Some slaves wrote or told people government cutting down more trees, but about their experiences to try to she was arrested and put in prison. bring an end to the slave trade. Design a poster explaining to people why Two were Olaudah Equiano and they need to plant trees and how they Mary Prince. Hearing their help the environment? Make it colourful experiences began to change and bright. Include pictures and not too people's attitude towards slavery. People began to persuade others many words Use some of Wangari's quotes: to stop eating sugar/drinking

> coffee or wearing cotton as a protest against slavery. Write a letter persuading people to stop in protest

Or People began to design everyday objects with slogans and images on, that people bought to raise funds for slaves and raise awareness.

Could you design a teapot/teacup/badge/necklace or another object to raise awareness?



Topic: Let's Grow!

(+) Hackney #hackneyhomelearning @hackneysuccess

This topic is all about observing the natural world around us and growing something new! Have fun being a gardener on your windowsillor garden and grow as much as you can! Gardening is great for well-being too! Join in with some of the many projects happening such as the natural History Museum's ISpy nature! or the Wildlife Trust's 30 days wild!

Make sure you socially distance and don't touch plants or trees.

Lost Gardens of Heligan

The gardens were

created from the mid-18th

century to the beginning of

the 20th century in

Cornwall. The gardens were

neglected after the First

World War and restored only

in the 1990s. There

are various amazing gardens

within the whole

estate including an

ornamental, a vegetable, a

jungle and

there's even a scary rope

bridge that leads to a secret

woodland.

Imagine you have stumbled

into the Lost Gardens and

have just walked over

the bridge. Write a short

adventure story that begins

on the bridge. What does it

feel like? What time of day

are you there? Can you see

any hidden sculptures or

secret walkways within the

trees and vines? What else

can you see? Smell? Hear? Is

there someone with you on

this adventure? How do you

Poet-tree! Think about all the parts of a tree. Roots, Trunk, Branches, leaves, blossom, seeds

Brainstorm some words or phrases for each part of the tree. Adjective: describing words strong, sturdy, green Adverbs: describe a verb -

slowly, quickly, carefully Similes: describes something by comparing it to something else, using like or as: The branches were as curved as a giraffe's neck Metaphors: a word or a phrase used to describe something as if

it were something else: The tree is a giant Personification: Describing objects as if they are people or characteristics of people The leaves whispered softly in the wind (leaves can't whisper only people can) Once you have the words or phrases you need to make them



The great dilemma, questions to think and talk about (Philosophy for children: P4C)

Crops such as sugar and cotton were grown on plantations which used slaves. How would youhave felt being made to work on a plantation?

Wangari Maathai (see Humanities box) peacefully protested, like the protests that are happening now. She was arrested and put in prison. Why do you think this happened?

Do you believe that 1 small positive change you make could affect what happens in the world? Why or why not?

If you knew that some of the food you ate was available because of slavery what would you do? If your only source of income was growing crops that could harm people or the environment would you still grow them? E.g. tobacco for cigarettes or the use chemicals that could be harmful

Science

Grow your own food!

Did you know that fruit and

vegetables are all grown. You can

grow these at home too!

The next time you're cutting up a

tomato, save some of the seeds and

plant them in a small yoghurt pot or

cup with some soil. Put them on your

window ledge to get light. Give them a

little bit of water most days

(not too much).

What else could you collect seeds from

to grow?

Can you investigate which might grow

if you plant them in soil:

peelings

onion.

A clove of garlic

Potatoes: save and dry out the

Cut off the root of an onion/spring

If you are lucky enough to have an

outside space/garden growing your

own food is a great activity that you

Lettuce, green beans; chilli plants.

Creative Arts

get some seeds from a shop.

cress, spring onions;

peppers all grow

quite quickly.

0.00

can observe over time. Ask an adult to

What's Growing Near Me?

Look at plants and trees growing in your local area - Can you find out the names of any? Can any be grouped together because they are similar? Some plants flower like grasses are flowering plants and others are nonflowering plants, e.g. ferns and mosses

Look at where you find the plants and trees - how does their habitat affect them - some plants or trees prefer sunny or shady areas. What might grow in other countries you've visited? Seasons: We are moving from Spring into Summer – plants and trees that keep their leaves all year round are called evergreen and those that shed their leaves are called 'deciduous'- can you find some examples of each? Can you find the different parts such as leaves, flowers (blossom), petals, fruit. stems. trunks and branches? Make a table of vour observations: Plant Drawing Habitat Notes for starsunny places covered in rose black flies Bees like them



Make a mini Flower Press

To help preserve plants and flowers we need

to learn about them.

to preserve them.

about 6 cm by 6 cm

28 squares of paper

Create a stack with 2 pieces of paper

between 2 pieces of card

Put an elastic band around it - if it is too

loose then add some more cardboard and

paper

Now start collecting!

Head outside and look for flowers.

Take a little bit off the plant and then put it

You will need:

Artists inspired by Flowers Artists throughout history have been inspired by plants and Flower presses press flowers flowers. Georgia O'Keefe was an American female artist. She was inspired by nature and many of her paintings were of flowers, but she magnified

them to be much bigger. To draw like Georgia: Find a picture or a real-life

flower Take a an A4 (or bigger!) piece of plain paper

Imaging the sides of your flower have fallen off the page so your petals must touch all 4

edges of the paper. Draw the outline petals and the centre of your flower. Some of the petals might overlap. Look closely to include the correct shape or the petals

and any detail Once you have your outline



with compost once it starts to grow. What other beans can vou grow? The sounds of nature There are many nursery rhymes about plants such as 'Mary, Mary, Quite contrary' 'Here we go round the mulberry bush' 'Lavenders Blue' and 'Oats, Peas, Beans and Barley Grow.' Can you sing them or any others about trees or plants?

Growing a bean!

Take a jam jar and swirl some

water around it. Fold some

kitchen roll or use cotton

wool and put it in the jar,

making sure it's slightly damp

and place a bean on top. Spray

some water on it every day.

After a few days, the bean

should have some roots and

shoots and this is called

germination. Record and draw

what you can see each day.

What conditions do beans

need to grow? Do the same

experiment but put a jar in a

dark place and with another

don't give the bean any daily

water. What do you notice?

Think about air, light,

water, nutrients from

soil, room to grow and

temperature.

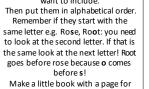
Move the bean to a pot

Some music has been written to sound like aspects of nature. Listen to 'The flight of the bumble bee' by Rachmaninoff-can you listen to this and move as if you

Listen to the sounds of nature could you create a piece of music to reflect the sounds you hear? What instruments could you use? Would it be fast or slow? Loud or

The Four Seasons are a series of concertos written by Antonio Vivaldi in 1716/7. Listen to each how do they represent each season? Which instruments can

vou hear/see? Hackney Music Service is currently running the '30 days of music' f 🐷 💼 🛸 🚞 🚬 sical ideas:



How Plants grow!

We find out how plants grow from

seeds in information books

You could:

Make a mini non-fiction book:

You could include:

contents, index and glossary pages,

headings or subheadings on each

nage

interesting facts in facts boxes.

instructions on how to plant seeds

photos or draw picture of your seeds

that you grew in science with

captions for them

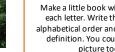
a labelled diagram of a plant/tree/

flower

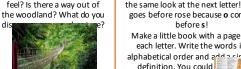
You could make a zig zag book by

folding an A4 namer

The best dictionary of plant, tree,



and flowers: First write down all the words you want to include. Paper • Cardboard • Scissors • Elastic band Cut your cardboard and paper into squares You will need 15 squares of cardboard and



each letter. Write the words in alphabetical order and add a simple definition. You could

picture too! 🐐

between your 2 pieces of paper between the card. Keep adding and keep the press tight! After 2 days have a look at your flowers. What can you see and observe?

You can use your dried flowers as pieces of collage in a flower/insect picture like the artist Helen Ahnornsiri

Remember! When collecting, take just a small amount and only collect when there are plenty of other flowers of the same type. Never uproot any plants. Ask an adult to help and wear gloves if you prefer.

are a bumble bee?

quiet?

Topic 10: Let's Grow! ↔ Hackney

These are links to websites - please practise Internet safety with your children whilst accessing these websites.

Useful websites for parents and carers:	Wellbeing, building resilience and PSHE: 1. While We Can't Hug: https://www.youtube.com/watch?v=2PnnFrPaRgy 2. Playing together but apart: https://classroom.thenational.academy/lessons/playing-together-but-apart-4e7276/# 3. Support for grieving families (for Father's Day): https://www.childbereavementuk.org/Event/donate4dads?utm_source=News%2C+events%2C+volunteering%2C+fundraising+updates&utm_campaign=0a81079ab- TWOPOINTSIXCHALLENGE April2020 COPY 01&utm_medium=email&utm_ter m=0 91395e89a6-0aa81079ab-67227679 4. Create a diary on yourthoughts and feelings during this time (in a comic!): https://www.makebeliefscomix.com/ 5. The power of kindness: https://www.redcross.org.uk/get-involved/teaching-resources/kindness-calendar 6. The CAMHS Alliance for Hackney has produced a comprehensive list
	for parents and carers: https://www.learningtrust.co.uk/sites/default/files/document/City%20and%20 Hackney%20CAMHS%20support%20for%20parents-carers.pdf 7. Talking to children who are worried about coronavirus: https://www.nspcc.org.uk/keeping-children-safe/childrens-mental- health/depression-anxiety-mental- health/?utm_source=Adestra&utm_medium=email&utm_content=Talking%20t 0%20a%20child%20worried%20about%20coronavirus%20%28COVID- 19%29&utm_campaign=CASPAR-2019-03-30 8. Resources for families around anxiety and stress: http://www.safehandsthinkingminds.co.uk/covid-anxiety-stress-resources- links/
Films and TV shows	The Secret Garden; The NeverEnding Story; The Jungle Book; The Lorax, Fern Gully: The Last Rainforest, Bee Movie, Wall-E

Learn the Spanish words for colours (you did this last week) and see if you can find a flower for every colour! Use the Spanish numbers to count how many you found!

https://rockalingua.com/videos/colors-and-numbers https://rockalingua.com/games/colors

Religious Education

Flowers have significance in several world religions. The main Hindu prayer rites are called 'puja' which means "the flower act". A very important flower for Hindus and Buddhists is the lotus flower which, for Hindus, symbolises purity and for Buddhists, symbolises the path to knowledge or enlightenment – lotus flowers begin in the mud below a pond just as people are born into suffering. Christians have flowers at ceremonies such as weddings, funerals and different colour flowers are associated with different events such as white lilies at Easter. The olive tree is a symbol of peace for many religions. Can you find out more about how flowers and trees are used?

Have you seen any examples of people using flowers and trees in your own/other peoples' religions?



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and

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Y2

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Y3-

Y6

est teacher guide.pdf

Estimating height of trees:

e.pdf

story, essay or article inspired by Anne Frank which shows how important it is that we all live together with kindness, respect and equality.	spy-nature vt&utm_m
Minibeast poems	Sounds of
http://brian-moses.blogspot.com/2020/06/mini-beasts-poetry-anthology-4th-of.html?m=1 Poems in form of trees	interactive
https://poetryroundabout.com/2020/06/05/wordsgrow-on-trees-art-and-poetry-idea-from-sue-hardy-	
dawson/	
Secret start to a story: https://www.literacyshed.com/the-mystery-shed.html Similes and metaphors: https://www.bbc.co.uk/bitesize/topics/zfkk7ty/articles/z9tkxfr Writing a story: https://www.theguardian.com/childrens-books-site/2016/jun/01/top-writing-tips	
Upper KS2 game: <u>https://www.saps.org.uk/primary/teaching-resources/207</u>	Growing to schools/far
Books Booktrust plants booklist	
https://www.booktrust.org.uk/booklists/p/plants-and-gardens/	Growing pl

WRITING COMPETITIONFOR YEAR 5 and 6!

In this time of lock-down, when people are separated from each other, we invite you to write a poem.

https://annefrank.org.uk/the-anne-frank-creative-writing-awards-2020/

Ten Seeds: Ruth Brown Titch: Pat Hutchins The tiny seed: Eric Carle Jaspar's Beanstalk Nick Butterworth to I dil wedane Jim and the Beanstalk: The Little Gardener: Little Guide to Wildflowers: Emily Hughes Raymond Briggs Charlotte Voake Wangari's Trees of Peace: N TRUES A seed is sleepy Jeanette Winter Dianna Aston Great kapok tree Ready Steady Grow: The Boy who grew Royal Horticultural dragons: Lynne Cherry Andy Shepherd Society 100 Facts, The Secret Garden: Rainforests Toby Alone: Frances Hodgson Timothee De Fombelle Burnett Plantopedia:

Maths

Deforestation Maths: http://www.mathematicshed.com/uploads/1/2/5/7/12572836/rainfor

https://www.saps.org.uk/attachments/article/141/SAPS How to find the height of a tre

Digital roots investigation: https://www.primaryresources.co.uk/maths/pdfs/digitalroots.pdf

Plants – garden plan investigation: https://nrich.maths.org/36

Square roots: https://www.mathsisfun.com/square-root.html

Tiles on a patio investigation: https://nrich.maths.org/35

SE

Science (Also apps for plant and tree identification)

Wildlife trusts 30 days wild festival during June: https://action.wildlifetrusts.org/page/59240/petition/2 Natural History Museum I spy Nature Festival: https://www.nhm.ac.uk/events/family-festival-i-.html?utm_source=fb-image-post-20200523edium=social&utm_campaign=family-festival wildlife: https://www.theguardian.com/environment/ng-/2020/may/20/relax-to-the-sounds-of-british-wildlife learning https://www.kew.org/learning/learning-at-home Botanical gardens: https://www.botanic.cam.ac.uk/educationmilies/athome/ to help nature: https://www.littleinventors.org/ omatoes: https://www.rhs.org.uk/education-learning/gardening-childrenmilv-activities vw.saps.org.uk/primary/beyond-the-classroom lants: https://www.bbc.co.uk/bitesize/topics/zpxnyrd London tree map - not much for Hackney currently: https://www.london.gov.uk/what-wedo/environment/parks-green-spaces-and-biodiversity/trees-and-wo odlands/london-treemap Growing beans; https://www.science-sparks.com/bean-in-a-iar/ The world's largest flower:https://www.youtube.com/watch?v=R0WmkoOZ6ZE How does rice grow? https://www.youtube.com/watch?v=Yb4AMwr0vNE Humanities The trans-Atlantic slave trade http://www.show.me.uk/editorial/5663-the-trans-atlantic-slave-trade https://www.liverpool museums.org.uk/schools-and-groups-resources-transatlantic-slavery Teachers pack from Anti-Slavery museum https://images.liverpool museums.org.uk/2020-01/International-Slavery-Museum-teacherspack 0.pdf Teaching History with 100 objects: http://www.teachin.ghistory100.org/objects/about_the_object/thomas_clarksons_campaign_chest Information on the slave trade https://ldhi.library.cofc.edu/exhibits/show/africanpassageslowcountryadapt/introductionatlant icworld/plantations before the transat Wangari Maathai https://kidworldcitizen.org/introduce-kids-to-nobel-peace-prize-winner-wangari-maathai https://www.brainpop.com/health/conflictresolution/wangarimaathai/ https://thekidshouldseethis.com/post/wangari-maathai-i-will-be-a-hummingbird http://internationaltreefoundation.org/wp-content/uploads/2017/11/Tree-Power-Ed-Pack-2017.pdf Reading of Wangari's Tree of Peace https://www.youtube.com/watch?v=08PbLwOtZJA

Creative Arts

Making a Flower press and other activities: https://www.botanic.cam.ac.uk/educationlearning/families/athome/ Art using dried flowers: https://www.thisiscolossal.com/2020/05/helen-ahpornsiri-botanic-illustrations/ Georgia O'Keefe https://www.okeeffemuseum.org/creative-activities/color-me/ https://www.tate.org.uk/kids/explore/who-is/who-georgia-okeeffe https://www.okeeffemuseum.org/creative-activities/ Andy Goldsworthy: https://classroom.thenational.ac.ade.my/lessons/to-investigate-the-colours/ Hackney Music Festival: http://www.hackneymusic.co.uk/join-us-for-30-days-of-music-making-in-<u>iune/</u> Vivaldi: https://www.voutube.com/watch?v=YD-JvMChuDg&feature=voutu.be Rachmaninoff: https://www.voutube.com/watch?v=M93gXQWaBdE&feature=voutu.be