

## Mercury Home Learning Grid Week Beginning 27.4.20

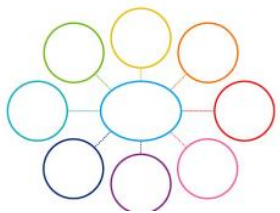
### How Can I Help Others?

#### Reading Themes

Reflect on the book you are reading or one you have read recently. Use *helping others* as your theme.

Set this out as a mind map. Can you find or recall 5 examples of when a character has helped another character or done something helpful?

For example, in Peter Pan Wendy helps Peter to care for the lost boys.



#### What Bin Does My Rubbish

##### Go In?

Create an information poster for your family to explain which bin your rubbish should go in.

Try to include at least 10 items that can be placed in each bin.

Use the Scottish Borders Council Website to help you find out more

[https://www.scotborders.gov.uk/info/20001/bins\\_rubbish\\_and\\_recycling/464/what\\_goes\\_in\\_each\\_bin\\_or\\_bag](https://www.scotborders.gov.uk/info/20001/bins_rubbish_and_recycling/464/what_goes_in_each_bin_or_bag)

#### Synonyms Spelling

How many different words can you think that mean the same or close to the same as help?

For example, assist and aid. Try to find six more of your own.

Check with an adult or use a dictionary or computer to check the spelling. Try to spell the words again, can you get them all correct? Try and test yourself three times over the week.

#### Write a Letter

Write a letter to someone who may need a little kindness (a lonely neighbour, grandparent missing you, a friend).

Let the person you are writing to know you are thinking about them. Why not tell them how you have been keeping yourself busy. What things you are looking forward to being able to do again when it is safe for everyone to leave their houses? Maybe you could include a picture?

#### Write your own Song

Choose a favourite song that you can sing already very well. Now use this tune and come up with different lyrics. You can choose to write a completely new song or to only change some words or sentences. Enjoy singing your song and give a performance.

For example, to the 'Spring Chicken' song:

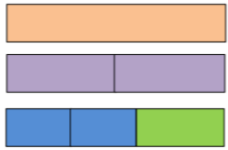
*I'm a brown doggie  
I jump and I play  
You can teach me to sit and  
also to stay  
My legs are not long, so I'll  
never be tall  
But I'm a real brown doggie  
and I'm having a ball.*

### Problem Solving

#### 1. The brick challenge

Each purple brick is 8cm long.

The green brick is 6cm long.  
How long is each blue brick?



#### 2. Zoe's Question?

Sam and Zoe are working out some subtractions.

Sam is working out  $74 - 56$

One of the numbers in Zoe's question is 15.

Sam's answer is double Zoe's answer.

What was Zoe's question?  
*(Use the three clues above to help you solve this problem)*

*(Answers to the Problem Solving can be found under the websites at the bottom of this document).*

### How To Add 9 Quickly

When we add 9 to a number in our heads it is easier to add 10 and subtract 1.

For example, for  $27+9$ , you would work out  $27+10 = 37$  then  $37-1 = 36$ .

Write down and work out ten of your own add 9 questions. Make a few of them three and four-digit starting numbers.

Can you think of a way to make adding 19 easier?

What about 29 or 99?

Write two questions each for adding 19, 29, 39, 49, 59, 69, 79, 89, 99 but don't write the answers! Save them for tomorrow or the day after to answer, will you be able to remember your quick way?

### Number Sequences

Work out the pattern then fill in the missing numbers.

Example

0	4	8		
---	---	---	--	--

The sequence is going up in 4s, so I add 4 to each number making the next two numbers 12 and 16.

Try to solve these

*(Answers next to problem solving answers)*

1.

3	6	9		
---	---	---	--	--

2.

6	11	16		
---	----	----	--	--

3.

53	63	73		
----	----	----	--	--

4.

		22	26	30
--	--	----	----	----

5.

		83	91	99
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Can you make your own sequences with two numbers missing either for someone else in your family to solve or leave them for you to solve yourself in a day or two?

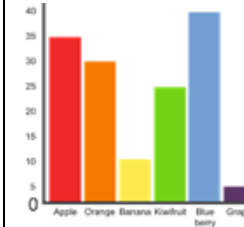
### Tally and Graph

This week is all about how to be helpful. For 5 days this week you are going to tally how many times you have heard or used the word 'please' in your house.



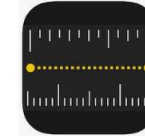
On the 6<sup>th</sup> day you are going to make a graph. Use squared or lined paper and make 5 columns. In the first column you colour the correct number of tallies for that day. The second column for the second day .... untill day 5.

On which day was the word 'please' used the most and on which day the least?



### Measuring Length

Using a ruler, tape measure or the measure app on a phone or tablet



Can you find an object in your home that measures

1cm  
2cm  
3cm  
4cm  
5cm  
6cm  
7cm  
8cm  
9cm  
10cm

If you find all of those why not try 10cm, 20cm, 30cm up to 1m?

### **Finger Spelling**

Not everyone can communicate through talking, sign language is a different way of communicating.

Use the alphabet below to help you to spell using British sign language. Maybe start off by spelling your name, then a family members name, your favourite food, a game.

BRITISH SIGN LANGUAGE - FINGERSPELLING



RIGHT HANDED

[british-sign.co.uk](http://british-sign.co.uk) LEARN BRITISH SIGN LANGUAGE ONLINE AT [WWW.BRITISH-SIGN.CO.UK](http://WWW.BRITISH-SIGN.CO.UK)

If you want a challenge why not try the 2 minute challenge, how many words can you work out in two minutes? <https://www.british-sign.co.uk/fingerspelling-game/>

### **Daily Helping**

You can be a help in your own house. Pick 3, 4 or 5 things you could do in your house that would be helpful.

For example, fed a pet, set the table, Hoover, make breakfast, load the dishwasher.

Write your 3, 4 or 5 helpful deeds down in a table and either tick or draw a smiley face for each day when you have helped.

Could you keep these up for a month?

### **The One Legged Challenge**

Mark out a line with a skipping rope or something similar. Along one, place cushions or toys at different distances away from the line.



Now stand on the line on one leg, put your arms out to balance yourself.



Jump along the line holding your pose, then pick up each item and move it to the other side – make sure your foot does not leave the line.

Be careful, if you lose your balance or drop anything you must start again.

Try the challenge on your other leg, now time yourself. Can anybody in your house complete the challenge in a faster time?

### **Fitness Challenge**

Help yourself become fitter. This will take you no more than 5 minutes everyday.

Count how many of these three activities you can do in 30 seconds. Give yourself at least a one minute break in between each

1. Sit ups
2. Lying on your front to standing up
3. Star jumps

Write down how many you can in 30 seconds. Do the same activities once a day all week, can you do the same or more each day?

Try doing the challenge at different times of the better, do you get more depending on what time of day you complete the challenge?

### **Litter Hero**

Put a pair of gloves on, grab a bag. Sadly, not everybody puts their litter in the bin and this can often end up lying around our town which isn't good for the environment and doesn't look nice.

On your daily exercise if you see any litter could you pick it up and put it in your bag then empty your bag into a bin when you come to one?

If you manage your and don't see any litter that is great news and means the people of your town are all litter heroes who take their rubbish home or to the bin.

Be careful when picking up litter if you find anything sharp ask an adult to help you.

Remember to wash your gloves and your hands if you have been touching litter as soon as you get home.

### **Food Chains**

If you can watch this video about food chains <https://www.bbc.co.uk/bitesize/clips/z96r82p>

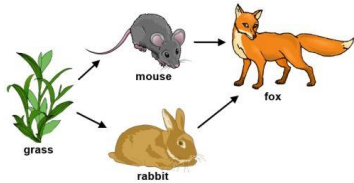
Think of 4 different animals. Can you make a food chain for each of your animals?



Grass → Rabbit → Fox

Why not add pictures of your animals to your food chains?

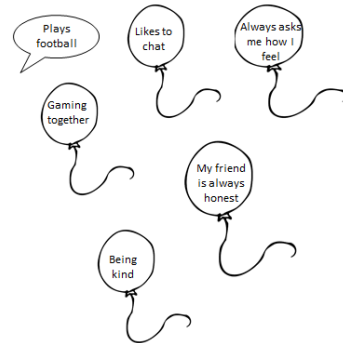
Can you extend your food chain by making it into a food web?



### **Being a Good Friend**

Think about all the things you like about your friends and what they like about you.

Make a poster and write these things down in an arty way. You can use speech bubbles, or balloons or flowers or anything you like. Hang the poster in your bedroom and try to do one thing a day.



### **Look After the Environment**

Can you think of 5 simple changes you could make in your daily life that would help care for the environment? If you are not sure you could do some research on caring for the environment or ask an adult for ideas. For example, switch off the TV when I'm not watching it, take a bag to the shops so I don't have to buy a plastic one.

Write down your five ideas and see if you can manage to make 2 or 3 changes over this week or month. Maybe you could try to persuade members of your family to do the same?

### **Salt Dough Faces or Rainbows**

Make salt dough using the recipe below link <https://www.bbcgoodfood.com/howto/guide/how-make-salt-dough-recipe>

Before baking cut out circle shapes for faces or an arc for a rainbow.

Bake your dough on a low setting for 3 hours then once cool paint or use marker pens to decorate your creations.

Why not send one to a family member or a neighbour who is on their own, to help them know you are thinking of them.

### **Award Badges**

Design different badges that have to do with kindness in and around your house. For example:  
Today's Best Cook  
Tidiest Tidier of the Day  
Best Cuddle of the Day  
Patient Helper  
Best Worker  
Award at least one badge each day.

We are looking forward to seeing your badge designs on Facebook. How imaginative and creative can you be?!



Useful Websites

<p>Numeracy:</p> <p><a href="https://www.topmarks.co.uk/">https://www.topmarks.co.uk/</a></p> <p><a href="https://pages.sumdog.com/">https://pages.sumdog.com/</a></p> <p><a href="https://mathsframe.co.uk/en/resources/category/22/most-popular">https://mathsframe.co.uk/en/resources/category/22/most-popular</a></p> <p><a href="http://www.maths-games.org/">http://www.maths-games.org/</a></p>	<p><b>LITERACY:</b></p> <p><a href="https://www.literacyshed.com/home.html">https://www.literacyshed.com/home.html</a></p> <p><a href="https://www.topmarks.co.uk/english-games/7-11-years/spelling-and-grammar">https://www.topmarks.co.uk/english-games/7-11-years/spelling-and-grammar</a></p> <p><a href="https://www.doorwayonline.org.uk/literacy/">https://www.doorwayonline.org.uk/literacy/</a></p>
<p>HWB:</p> <p><a href="http://www.british-sign.co.uk">www.british-sign.co.uk</a></p>	<p><b>Topic:</b></p> <p>Caring for the environment video</p> <p><a href="https://www.google.com/search?ei=VNCExs7nDc3ygQb-gZfICg&amp;q=how+can+i+care+for+the+environment+ks1&amp;oq=how+can+i+care+for+the+environment+ks1&amp;gs_lcp=CgZwc3ktYWIQAzIGCAAQFhAeOgQIABBHOgIIADoICCEQFhAdEB5Q-f0PWOMCEGDphhBoAHACeACAAaEBiAGYBJIBAzAuNJgBAKABAaoBB2d3cy13aXg4AQM&amp;sclient=psy-ab&amp;ved=0ahUKEwjO4eTyrPnoAhVNecAKHf7ABakQ4dUDCAw&amp;uact=5#kpvalbx=XdGeXtP6KoSD8gKbxKSwBA44">https://www.google.com/search?ei=VNCExs7nDc3ygQb-gZfICg&amp;q=how+can+i+care+for+the+environment+ks1&amp;oq=how+can+i+care+for+the+environment+ks1&amp;gs_lcp=CgZwc3ktYWIQAzIGCAAQFhAeOgQIABBHOgIIADoICCEQFhAdEB5Q-f0PWOMCEGDphhBoAHACeACAAaEBiAGYBJIBAzAuNJgBAKABAaoBB2d3cy13aXg4AQM&amp;sclient=psy-ab&amp;ved=0ahUKEwjO4eTyrPnoAhVNecAKHf7ABakQ4dUDCAw&amp;uact=5#kpvalbx=XdGeXtP6KoSD8gKbxKSwBA44</a></p>

<p><b><u>Problem Solving Answers</u></b></p> <ol style="list-style-type: none"><li>1. The Brick Challenge The length of the blue brick is 5cm</li><li>2. Zoe's Question 15-6=9</li></ol>	<p><b><u>Sequences Answers</u></b></p> <ol style="list-style-type: none"><li>1. 12, 15</li><li>2. 21, 26</li><li>3. 83, 93</li><li>4. 14, 18</li><li>5. 67, 75</li></ol>
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