Key Stage 2 Home Learning Update: 30th March

This document is intended to guide parents with ideas for helping children to learn at home. This

is not essential and we do not require evidence to be sent. Unless you want to share your lovely work with

us! We would obviously love to see what you are doing at home on twitter or via email.

Week 1—Week Commencing 30th March

English	In English, we will be using this video—'For the birds' to inspire our learning. Video available here: https://www.literacyshed.com/for-the-birds.html https://www.youtube.com/watch?v=nYTrIcn4rjg Activities to try Writing to the smaller birds to tell them about their bad behaviour and convincing them to stop. (This could be a letter or a persuasive speech). Plan an new similar narrative but with new characters/settings. Write a playscript or write a conversation using direct speech —What would the birds be saying if they could talk?
Maths	In Maths, we will be learning about place value.

Year 3	Year 4	Year 5	Year 6
Recognising and representing numbers to 1000.	Roman numerals to 100.	Numbers to 1 million.	Numbers to ten million
Comparing and ordering numbers to 1000.	Rounding to nearest 10/100.	Roman numerals to 1000.	Compare and order any number.
Using hundreds, tens and ones.	Using thousands, hundreds, tens and ones.	Rounding numbers to 1 million.	Round any number
Counting in multiples of 4,8 and 50	Order and compare numbers beyond 1000.	Negative numbers	Negative numbers
	Negative numbers		

Other ideas and things to look out for

White Rose Maths hubs— Free maths lessons with interactive models and explanations. https://whiterosemaths.com/homelearning/

Jane Considine writing lessons online— Using videos to inspire writing with a lesson guided by a teacher. https://www.youtube.com/user/Devouefrenchbulldogs/featured

Week 1—Week Commencing 30th March	
Wider Curriculum Rainbows!	**Birds** **Maths/Science** Research UK garden birds. Then, make a tally of all the birds you see from your window in one day. Turn your tally into a graph. Write information about common UK birds. **Art** Bird Sketching and garden collages Origami birds **DT** Make a bird feeder to hang outside (You might get more birds for your tally then!). Could you make a birdhouse? Lot's of birds will need nesting spots right now. **YEAR 6** You have been reading Skellig. He is a hybrid creature—Part bird, Part human. Miss Whitehouse challenges you to design your own hybrid creature and write an information text to inform others about it.
Values	The value of the month is co-operation.

Non-screen activities you can do at home — Pobble

25 ideas!

What can you do when there's no school and you're stuck at home? Here are 25 fun ideas to choose from.
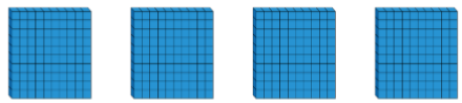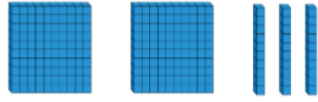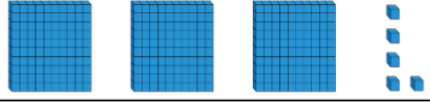
1 **How many different words can you make from the letters in this sentence, below?** Grab a pencil and paper and write a list! 'Learning from home is fun'

2 **Thank a community hero.** Think of someone that helps you in some way and write a short letter to thank them. Thanks!

3 **Get building!** You could build a Lego model, a tower of playing cards or something else!

4 **Can you create your own secret code?** You could use letters, numbers, pictures or something else! Can you get someone else to try and crack it?

5 **Start a nature diary.** Look out of the window each day and keep note of what you see. Birds, flowers, changes in the weather, what else?

6 **Hold a photo session.** Use a camera or a mobile phone to take some snaps. What will you photograph? Your pets or toys perhaps?

7 **Build a reading den.** Find somewhere cosy, snuggle up and read your favourite book!

8 **Use an old sock to create a puppet.** Can you put on a puppet show for someone?

9 **Make a list of all the electrical items in each room of your home.** Can you come up with any ideas to use less electricity?

10 **Design and make a homemade board game** and play it with your family.

11 **Do something kind for someone.** Can you pay them a compliment, make them something or help them with a task?

12 **Can you create a story bag?** Find a bag and collect items to go in it that relate to a well known story. If you can't find an item, you could draw a picture to include.

13 **List making!** Write a list of things that make you happy, things you're grateful for or things you are good at.

14 **Design and make an obstacle course at home or in the garden.** How fast can you complete it?

15 **Can you invent something new?** Perhaps a gadget or something to help people? Draw a picture or write a description.

16 **Keep moving!** Make up a dance routine to your favourite song.

17 **Write a play script.** Can you act it out to other people?

18 **Read out loud to someone.** Remember to read with expression.

19 **Write a song or rap about your favourite subject.**

20 **Get sketching!** Find a photograph or picture of a person, place or object and sketch it.

21 **Junk modelling!** Collect and recycle materials such as yoghurt pots, toilet rolls and boxes and see what you can create with them.

22 **Draw a map of your local area** and highlight interesting landmarks.

23 **Write a postcard to your teacher.** Can you tell them what you like most about their class?

24 **Draw a view.** Look out of your window and draw what you see.

25 **Get reading!** What would you most like to learn about? Can you find out more about it in books? Can you find a new hobby?
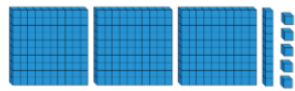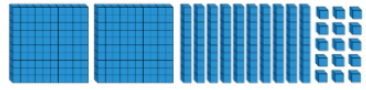
Pobble.com – More writing. More progress.

Bug Club

Times Tables Rock Stars

Year 3 Place Value Example Problems

Write down the number represented with Base 10 in each case.

Representation	Number
(4 hundred squares)	
(2 hundred squares, 3 ten rods)	
(4 hundred squares, 5 ones)	

Which child has made the number 315?

Dora (representation with base 10)

Mo (representation with base 10)

Explain how you know.

Dora and Mo have both made the number 315, but represented it differently.

3 hundreds, 1 ten and 5 ones is the same as 2 hundreds, 10 tens and 15 ones.

Estimate where seven hundred and twenty-five will go on each of the number lines.

(number line from 0 to 1,000)

(number line from 700 to 800)

(number line from 720 to 730)

Explain why it is not in the same place on each number line.

725 is in different places because each line has different numbers at the start and end so the position of 725 changes.

All three of the number lines have different scales and therefore the difference between 725 and the starting and finishing number is different on all three number lines.

I think of a number, add ten, subtract one hundred and then add one.

My answer is 256

What number did I start with?

Explain how you know.

What can you do to check?

The start number was 345 because one less than 256 is 255, one hundred more than 255 is 355 and ten less than 355 is 345
To check I can follow the steps back to get 256

Complete the statements.

$$600 + 70 + 4 \ > \ 600 + \_\_\_\_\_ + 4$$

Two hundred and five $<$ _____

Whitney has six different numbers.

She put them in ascending order then accidentally spilt some ink onto her page. Two of her numbers are now covered in ink.

214, ⬛ 243, 256, ⬛ 289

What could the hidden numbers be? Explain how you know.

The first number could be anything between 215 and 242

The second hidden number could be anywhere between 257 and 288

Circle and explain the mistake in each sequence.

50, 100, 105, 200, 250, 300 ...

990, 950, 900, 850, 800 ...

Year 4 Place Value Example Problems

Solve the following calculation:

$$XIV + XXXVI = \underline{\quad}$$

How many other calculations, using Roman Numerals, can you write to get the same total?

Answer: L

Other possible calculations include:

$C \div II = L$
$L \div I = L$

$X \times V = L$
$XXV \times II = L$

$LXV - XV = L$
$C - L = L$

$XX + XX + X = L$

Create four 4-digit numbers to fit the following rules:

- The tens digit is 3

- The hundreds digit is two more than the ones digit

- The four digits have a total of 12

Possible answers:

3,432
5,331
1,533
7,230

Say whether each number on the number line is closer to 160 or 170?

160   163   166 167   170

Round 163, 166 and 167 to the nearest 10

Complete the table:

Start number	Rounded to the nearest 10
100 100 100 10 10 1 1 / 100 100 100 10 1 1 1	
851	
XCVIII	

Complete the table:

Start number	Rounded to the nearest 100
4 0 0 ▷ 5 0 ▷ 7 ▷	
994	
XLV	

Fill in the missing temperatures on the thermometers.

Complete the number lines

−5 −4   −1 0 1   3

−4   0 1

Year 5 Place Value Example Problems

2,567 to the nearest 100 is 2,500

Whitney

Do you agree with Whitney? Explain why.

I do not agree with Whitney because 2,567 rounded to the nearest 100 is 2,600. I know this because if the tens digit is 5, 6, 7, 8 or 9 we round up to the next hundred.

Teddy

4,725 to the nearest 1,000 is 5,025

Explain the mistake Teddy has made.

Teddy has correctly changed four thousand to five thousand but has added the tens and the ones back on. When rounding to the nearest thousand, the answer is always a multiple of 1,000

Complete the missing numbers.

$59,000 = 50,000 +$ _____

_____ $= 30,000 + 1,700 + 230$

$75,480 =$ _____ $+ 300 +$ _____

The bar models are showing a pattern.

| 40,000 |
| 25,000 | 15,000 |

| 40,000 |
| 20,000 | 20,000 |

| 40,000 |
| 15,000 | 25,000 |

| 40,000 |
| 10,000 | 30,000 |

| 40,000 |
| 5,000 | 35,000 |

| 40,000 |

| 40,000 |

Draw the next three.

Create your own pattern of bar models for a partner to continue.

Complete the table.

Start Number	Rounded to the nearest 10	Rounded to the nearest 100	Rounded to the nearest 1,000
1000 100 10 / 100 100 1			
(base ten blocks)			
DCCLXIX			

Whitney visits a zoo.
The rainforest room has a temperature of 32°C
The Arctic room has a temperature of −24°C
Show the difference in room temperatures on a number line.

Each diagram shows a number in digits, words and Roman Numerals.

500 / five hundred

1,000

CCCII

Complete the diagrams.

Complete the function machines.

CCC ⟶ + 10 ⟶ _____

_____ ⟶ − 1 ⟶ DCLXXV

Complete the table.

	Add 10	Add 100	Add 1,000
2,506			
7,999			
		6,070	

Year 6 Place Value Example Problems

Teddy's number is 306,042
He adds 5,000 to his number.
What is his new number?

A house costs £250,000
A motorised home costs £100,000
A bungalow is priced halfway between the two.
Work out the price of the bungalow.

Put a digit in the missing spaces to make the statement correct.

$$4,62 \_\_,645 < 4,623,64\_\_$$

Is there more than one option? Can you find them all?

The first digit can be 0, 1, 2 or 3
When the first digit is 0, 1 or 2, the second digit can be any.
When the first digit is 3, the second digit can be 6 or above.

Write five numbers that round to the following numbers when rounded to the nearest hundred thousand.

200,000   600,000   1,900,000

A company decided to build offices over ground and underground.

If we build from −20 to 20, we will have 40 floors.

No, there would be 41 floors because you need to count floor 0

Do you agree? Explain why.

Mo has £17.50 in his bank account. He pays for a jumper which costs £30
How much does he have in his bank account now?

Miss Grogan gives out four number cards.

| 15,987 | 15,813 | 15,101 | 16,101 |

Four children each have a card and give a clue to what their number is.

Tommy says, "My number rounds to 16,000 to the nearest 1,000"

Alex says, "My number has one hundred."

Jack says, " My number is 15,990 when rounded to the nearest 10"

Dora says, "My number is 15,000 when rounded to the nearest 1,000"

Can you work out which child has which card?

Tommy: 15,813

Alex: 16,101

Jack: 15,987

Dora: 15,101

Use the digit cards and statements to work out my number.

| 0 | 3 | 3 | 5 | 5 | 6 | 7 |

- The ten thousands and hundreds have the same digit.

- The hundred thousand digit is double the tens digit.

- It is a six-digit number.

- It is less than six hundred and fifty-five thousand.

Is this the only possible solution?

Possible solutions:

653,530
653,537
650,537
650,533