

Year 4 - W.C. Monday 18th May

Hi Year 4,

Another week has passed. We still hope you are all staying safe and enjoying the extra quality time you are getting to spend with your families - this time is so precious. Try to enjoy it the best you can and you'll hopefully see your friends again soon.

Here are your activities for the week. We would still love to see what you are all up to. Keep up to date on daily challenges and catch up with friends and teachers via our blog:

<https://app.seesaw.me/#/login>

Enjoy and we shall see you all again soon,

Miss Spittlehouse and Mr Cummings <3

Xx

I'M SENDING YOU
HUGS
SMILES
SUNSHINE
RAINBOWS
AND BUTTERFLIES



Maths

The format of your Maths lessons will be a little different this week as White Rose Hub have started to consolidate lessons previously taught at the start of lockdown and we didn't want you to repeat these.

This week's lessons, you will access via the BBC Bite size page by following this link: <https://www.bbc.co.uk/bitesize/tags/z63tt39/year-4-and-p5-lessons/2>

This follows the exact same format as the White Rose Hub whereby you will be able to access a video before completing some activities.

Lesson One: Place value for 4 digit numbers (click on 20th April)

Lesson Two: Finding 1000 more or 1000 less (click on 21st April)

Lesson Three: Round numbers to the nearest 10, 100 and 1000 (click on 22nd April)

Lesson Four: Negative numbers (click on 23rd April)

Lesson Five: Friday Maths Challenge (click on 24th April)

Below are some difficult but engaging mastery activities for those children who fancy a challenge throughout the week:

Rounding

A whole number is rounded to 370
What could the number be?
Write down all the possible answers.

370

Two different two-digit numbers both round to 40 when rounded to the nearest 10

The sum of the two numbers is 79

What could the two numbers be?

Is there more than one possibility?

Whitney says:



847 to the nearest 10
is 840

Do you agree with Whitney?

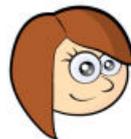
Explain why.

Counting in 1000's

Always, Sometimes, Never

- When counting in hundreds, the ones digit changes.
- The thousands column changes every time you count in thousands.
- To count in thousands, we use 4-digit numbers.

Rosie says,



If I count in thousands
from zero, I will always
have an even answer.

True or false?
Explain how you know.

Place Value

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

Use the clues to find the missing digits.

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The thousands and tens digit multiply together to make 36

The hundreds and tens digit have a digit total of 9

The ones digit is double the thousands digit.

The whole number has a digit total of 21

Negative numbers

Can you spot the mistake in these number sequences?

- a) 2, 0, 0, -2, -4
- b) 1, -2, -4, -6, -8
- c) 5, 0, -5, -10, -20

Explain how you found the mistake and convince me you are correct.

Teddy counted down in 3s until he reached -18

He started at 21, what was the tenth number he said?

English

Lesson 1 - Reading

Carefully read the article. Answer the multiple-choice questions at the end of the extract. Once you have completed this, can you have a go at writing your own multiple-choice style question?

Lesson 2 - Writing

Write a persuasive letter to a supermarket asking them to reduce the use of plastic on their products. Try to include all the persuasive writing techniques we have learnt throughout the year (AFOREST). Below is a list of each one and an example for each:

Alliteration – Seven silly swimmers swam straight.

Facts – Schools across England have been closed due to the coronavirus.

Opinions – Being off school is very boring.

Rhetorical Questions – Do you want to be responsible for killing all orangutans?

Emotive Language – If you do not stop cutting down trees, you are responsible for destroying our rainforest.

Statistics – 80% of people admit they waste too much plastic.

The Rule of Three – Exercising makes you feel fitter, happier and healthier.

Lesson 3 - Grammar

Re-write each sentence, using only the correct verb in each one.

- The Bolds was/were all enjoying the wet weather.
- Mr Bold's jokes was/were funny.

Which sentence is a command?

- Jump in that puddle.
- The Bolds jumped in the puddle.

Circle the adverb in the sentence.

The bird tapped on the window urgently.

Write the following verbs in the simple past tense. The first one has been done for you.

- Walk = Walked.

- throw
- understand
- laugh

Complete this sentence.

The hyenas couldn't play because . . .

Lesson 4 - Spelling.

Practice learning each of these words. At the end of the week, test yourself to see how many you can get.

Question	Sentence
Recent	Separate
Regular	Special
Reign	Straight
Remember	Strange

See the next few pages for some whacky ways to have fun whilst learning these...

Pyramid

E
Ex
Exa
Exam
Exam
Example



Spellings



Spiral Spellings!

Can you write your spellings in
a spiral shape?
Have a go in the boxes below!

begin, seed, sprout, stretch, gather, teach,
learn, spread, shelter, blossom, grow, uncurl, untidy,
transfer, fruit, blossom, uncurl, untidy,
begin, seed, sprout, stretch, gather, teach,
learn, spread, shelter, blossom, grow, uncurl, untidy,
transfer, fruit, blossom, uncurl, untidy,



example



A large, empty rectangular box with a dashed purple border, intended for students to write their spellings in a spiral shape.

Friday

For Friday's lesson we want you to write a diary entry. You are going to write down all the things you have been doing during this period away from school. Imagine you are going to read it again in 50 years time. Tell yourselves as much as you possibly can. Whilst doing so, can you include all our wonderful writing techniques:

Expanded noun phrases.

Similes

Fronted Adverbials

Rule of Three

Different sentence lengths

and of course...not forgetting our important punctuation marks ? ! . ' ,

We will be wanting to hear some when school opens again, so make sure you put in as much effort as we know you can!

Good Luck x

Science

So... you have been learning about 'States of Matter' for a while now. How much do you remember?



1. Name the three states of matter:

a. _____

b. _____

c. _____

2. Name three examples of each:

a. _____, _____, _____

b. _____, _____, _____

c. _____, _____, _____

3. Can you explain to your family how the particles in each state of matter move around?

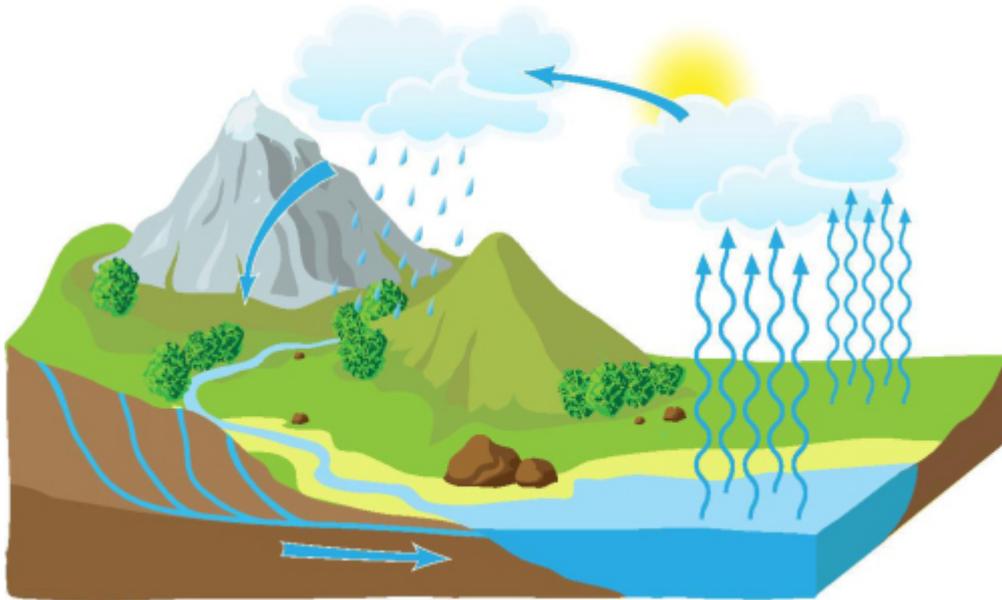
4. Can you draw this or act it out with your family?

5. Do you know why the particles act like this? What happens to the property of the state? E.g. why is a solid a solid?

6. Does a gas weigh anything? Explain your answer

7. Can you explain the water cycle to your family? What is happening?

The Water Cycle



Now, your Science wouldn't be Science without a fun experiment to try out, would it, hey? We won't disappoint. **Remember all experiments should be done with an adult to stay safe!**

Experiment one: Can you inflate a balloon with Baking powder?

1. Fill a balloon with 45g of baking powder
2. Fill a plastic bottle with approximately 230ml of vinegar
3. Attach the balloon to the mouth of the plastic bottle, then lift the balloon upright so the baking soda falls and causes a reaction.

What do you think is happening? Why?



SPOILER!!!! READ THIS AFTER YOU HAVE COMPLETED THE EXPERIMENT

So how does it work? The vinegar and the baking soda mix together to make an acid-base reaction. The reaction creates carbon dioxide gas that bubbles up from the mixture. The gas expands up and out of the bottle and inflates the balloon.

Another cool thing about these balloons is that carbon dioxide is heavier than air, so when you drop the balloon, you'll notice that it falls to the ground faster than a regular balloon filled with air! (So no, these balloons definitely don't float!) Why don't you fill another balloon with air and have a race?

Experiment Two - 'Biscuit Bashing'

'Solids are hard and keep their shape unless a force is applied to them.'

'Liquids can pour and flow and they take the shape of a container'

Is this ALWAYS true?

Think about sand. Sand is made up of teeny tiny particles. Solid particles. However, they will pour and flow and take the shape of a container but each individual sand particle is a SOLID. You can still handle it and it won't break UNLESS a force is applied to it.

Try this experiment to understand this concept:

You will need:

- A digestive biscuit
- A sandwich bag
- Rolling pin



What to do:

1. Put the biscuit inside the bag.
2. 'Bash' the biscuit into teeny tiny particles that look like sand, using the rolling pin.
3. Once you have completely 'bashed' the biscuits, have a go at pouring it into different sized containers.

You started off with a solid biscuit. You applied force to turn it into finer particles. It is STILL a solid but now it pours and flows, like a liquid.

So...

1. Is it just liquids that pour and flow and fill the shape of its container?
2. Other than sand, can you think of any other solids that do this?

PE

To follow on from last week's Numeracy Week, let's continue to celebrate it whilst keeping super fit and healthy. Try to find some numbers in the real world whilst out on our daily walk.

- What numbers can you see?
- Can you multiply together the first number you see to the second number you see?
- Where can you find numbers?

- Can you make numbers out of nature? Use leaves, pebbles, twigs, our bodies - anything!
- Can you make up your own number challenge whilst you're out getting that well deserved fresh air and exercise?

RE

During this time, we have a lot to be thankful for. We are thankful for our parents and carers who are looking after us every day and teaching us when we can't go to school. We are thankful to all the nurses and doctors who are looking after people in hospital. We are thankful for our teachers for sending us work so we can learn, even though we cannot be in school. We are thankful for technology so we can still talk to and see our friends and family. We are thankful for our health and our happiness. We are thankful to god for looking after us all during this time. The list goes on.



Can you write a prayer to explain who you are thankful to and why?

We'd love to read them. Be sure to upload them onto the website so we can read them.

Music

<https://www.derbyshiremusicclub.org.uk/get-involved/music-at-home/junior/junior.aspx> Work your way through these fun and exciting music lessons created by Derbyshire Music Hub. They have designed some music lessons for you to enjoy specifically whilst you are working from home. Start from Week One. Enjoy 😊

PSHE/DT

This week is Mental Health Awareness week and the theme this year is KINDNESS.

Can you complete a random act of kindness every day this week? Below are some ideas however you might like to come up with your own timetable of activities:

Monday: Complete a chore around the house - make dinner, make yours and your sibling's beds, wash up, tidy around the house, Hoover, dust etc.

Tuesday: Make someone a social distanced cake. With an adult, bake a yummy treat and on your daily walk, drop it off at a friend/family member/neighbour's doorstep.

Wednesday: During your daily walk, go litter picking in your local park. Can you have a race to see who can pick up the most litter in your family? Make sure you wash your hands

Thursday: Write a letter of thanks to someone who is doing a great job. You could send it to a member of the NHS, a policeman, a fireman, a shop worker, a care worker - the list goes on - and on your next walk, post it to them.

Friday: Find some pebbles and paint them with positivity. Fill them with colour and rainbows and positive words. On your next walk, place them all around your local area so other people can pick them up and share the joy.

Saturday: Text/Face time 5 different people - friends and family - to tell them how much you love them and what you are thankful for. It will bring a smile to their day to know that you are thinking about them.

Sunday: Spend the entire day with your family. Stay off the Ipad's and the Xbox's and put your phone in a drawer. Spend the entire day with your family, baking, playing, eating and laughing. This time is precious. Take a moment to enjoy it.

Finally and most importantly, this week show yourself some kindness.

Topic/ Art

Thursday May 21st is World Day for Cultural Diversity. It is a day that celebrates all of the different races, cultures and beliefs from across the world. As part of the celebrations, we would like you to try some of these challenges:

- Draw two flags; the country either you or one of your parents were born in and your favourite other country. Take a picture of you holding them

and post it to either SeeSaw, SMA Twitter or send it to your class email.



- Write about a country you would like to visit that you haven't done already. Tell us why that particular country interests you the most and draw a picture of you there.
 - *"I would like to visit Egypt. I'd really like to go there because I'd love to be able to visit The Pyramids and see them for myself."*
- Find out what languages are spoken in these countries. Some are not as obvious as you think:
 - Holland
 - Austria
 - Brazil
 - Argentina
 - New Zealand
 - Canada
- Finally, have a look at the videos in the links below. Let us know what you think of them and how they made you feel.
 - [Everyone's Welcome](#)
 - [Celebrating Cultural Diversity](#)

We hope you enjoy learning about and celebrating our culturally diverse world.