

Dear Y5 families,

In our Sharing the Planet unit we have been exploring biodiversity through the concepts of connection, causation and responsibility. These activities are meant to help students support the learning they've achieved over the last few weeks.

In maths we have been exploring adding and subtracting. The investigation below into consecutive numbers should be fun and challenging!

We have separated the activities into two sections: 'must do' and 'could do'. It is not necessary that students complete all of the activities. Please let your child's teacher know if you have any questions.

Thank you,
The Year 5 Team

Must Do's

Advocacy Letter	Maths	Reading
<p>Write a letter to Mr O'Reilly explaining to him why our school needs to start taking action to better support biodiversity.</p> <p>Your letter should be written out on paper and include:</p> <ul style="list-style-type: none">• An opening paragraph which clearly explains why biodiversity is so important.• A paragraph that explains how people benefit from biodiversity.• A paragraph which explains how living things are interdependent.	<p>Consecutive Numbers</p> <p>Well I wonder how often you have noticed that there are numbers around the place that follow one after another 1, 2, 3 ... etc.? Sometimes they appear in reverse order when a countdown is happening for a launch of a rocket. But usually they happen in an order going up, like when you read through a book and notice the page numbers. These kinds of numbers are called consecutive numbers, you may have heard of the word before - it simply means that they are whole numbers that follow one after another.</p> <p>This investigation uses the idea of consecutive numbers and gives us other numbers to explore. You may very well discover things that NO ONE else has discovered or</p>	<p>Practise the 'tracking your thinking' reading comprehension strategy.</p> <p>You could do this with a book from home, or one of these Newsela articles listed below:</p> <ul style="list-style-type: none">• Greta Thumberg Travelling to America by Boat• Closing a Road to Protect Snakes• Can supporting biodiversity help reduce climate change? <p>To track your thinking while you read, make notes as you go about your connections, wonderings and background knowledge.</p>

- A paragraph which explains what action the school could take.
- Anything else you think is important to include.
- A closing paragraph which emphasizes how important biodiversity is.

Remember to write in a polite and respectful way using a correct letter format.

written about before, and that's GREAT!

So this is how it starts. You need to choose any four consecutive numbers and place them in a row with a bit of a space between them, like this:

4, 5, 6, 7

When you've chosen your consecutive numbers, stick with those same ones for quite a while, exploring ideas before you change them in any way. Now place + and - signs in between them, something like this :

$$4 + 5 - 6 + 7$$

$$4 - 5 + 6 + 7$$

and so on until you have found all the possibilities. Are you sure you've got them all? You should include one using all +'s and one that includes all -'s.

Now work out the answers to all your calculations (e.g. $4 - 5 + 6 + 7 = 12$ and so on).

Now try other sets of four consecutive numbers and look carefully at the sets of answers that you get each time.

Are you surprised by anything you notice?

It is probably a good idea to write down your 'noticings'. This can lead you to test some ideas out by

	<p>starting with new sets of consecutive numbers and seeing if the same things happen in the same way.</p> <p>You might now be doing some predictions that you can test out...</p>	
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Could Do's

Biodiversity: Taking Action	Art	Biodiversity poetry
<p>Help your Year One buddies understand biodiversity!</p> <p>Can you design a simple board or card game that would help the Year One kids to understand biodiversity?</p> <p>Some ideas</p> <p>You could design a game based on <i>Snap</i>, or possibly <i>Matching Pairs</i>.</p> <p>Maybe you could use <i>Monopoly</i> as an inspiration, or <i>Snakes and Ladders</i>?</p> <p>If you are feeling courageous, hire about trying to design a game that uses the concept of interdependence! Maybe players have to collect cards which represent a full ecosystem?</p> <p>You can have some really good fun with this task, and if you finish your design maybe you could even start creating a prototype of your game and bring it into school!</p>	<p>Create a piece of artwork inspired by Biodiversity</p> <p>E.g. Observational drawing, collage, watercolour painting.</p>	<p>Create a feelings poem about biodiversity.</p> <p>To do this you use a feeling and a colour in each line.</p> <p>E.g.</p> <p>Biodiversity is a green feeling of peacefulness</p> <p>Biodiversity is a fierce red feeling of life</p> <p>Biodiversity is a cool calm blue river flowing gently through a forest</p> <p>How many feelings and colours can you connect to biodiversity?</p>

Maths

Plenty of Pens

Amy went into her local stationery shop. Her mum had given her \$25 to spend.

Amy liked the look of some luminous pens, which cost \$1.50 each, and some fancy pencils, which cost \$1 each.

She bought four times as many pens as pencils and was given \$4 change.

How many of each did she buy?

Well Being

Try to make your own Daily 15 exercise routine, or design and make a healthy snack.

Sharing the Planet:

Please feel free to continue working on your personal inquiries.