

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, **Super Shapes**, should be fun, challenging and introduce elements of algebra.

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

Maths	Reading
<p>Super Shapes</p> <p>Each of the following shapes has a value:</p> <p> = 7  = 17</p> <p>The value of the red shapes changes in each of the following problems. Can you discover its value in each problem, if the values of the shapes are being added together?</p> <p>(a)    = 25</p> <p>(b)     = 51</p> <p>(c)       = 136</p> <p>(d)    = 48</p> <p>(e)        = 100</p>	<p><b>Reading</b></p> <p>Practise the 'tracking your thinking' reading comprehension strategy.</p> <p>You could do this with a book from home, or click on one of the links below to read about topics related to biodiversity</p> <ul style="list-style-type: none"><li>• <a href="#">World Biomes and Ecosystems</a><ul style="list-style-type: none"><li>• <a href="#">Recycling</a></li><li>• <a href="#">Desert Biomes</a></li><li>• <a href="#">Forest fires</a></li></ul></li></ul> <p>To track your thinking while you read, make notes as you go about key information, connections, wonderings and background knowledge.</p>
<p style="text-align: center;"><b>Ecosystem Diversity</b></p> <p style="text-align: center;">Watch this video, <a href="#">Ecosystem diversity</a> from the California Academy of Science.</p>	

Watch it one time without writing anything down then watch it one or two more times using the Cornell Notes method.

After making your initial notes analyse those and find the main points from your notes. Remember those should be facts that you are confident you understand and have revised accurately. Those go on the left hand part of your notes.

Then write a single sentence that summarises the big idea, the most important message the video is sharing.

Finally, use your notes to draft a piece of informative writing (like you did for the Wolves and Whales).

Do this on a Google Doc and then you can share it with a friend who can give you feedback!

### **Your writing should include:**

- An opening paragraph which clearly states the big idea.
- Paragraphs for each of the main points you have identified.
- A paragraph which explains how living things are interdependent.
- A closing paragraph which clearly restates the big idea.

### **Paragraph Success Criteria Checklist**

#### ***I've included:***

- a topic sentence (introduces the topic or main idea)
- supporting sentences (gives details about the topic)
- cause/effect linking words (because of, due to, as a result of, so, if, consequently)
- transition words (if it fits) (for example, also, first, second, next, then, finally, after that)
- a closing sentence (restates the topic sentence in a different way or is a thought that ties all the ideas together)

#### ***I also remembered to:***

- stay on topic
- proofread for punctuation, spelling and grammar

## **Could Do's**

<b>Biodiversity: Taking Action</b>	<b>Art</b>	<b>Biodiversity poetry 3</b>
<b>Spread the word!</b>	Create a piece of artwork, in any style,	Create a haiku poem about biodiversity!

<p>Can you design a poster that will teach people about biodiversity?</p> <p><b>Success Criteria</b></p> <p>Your poster will have:</p> <ul style="list-style-type: none"> <li>• A colourful image that gets people's attention.</li> <li>• A clear main statement in text, <i>e.g.</i> <b>Biodiversity is part of all our lives!</b></li> <li>• Will explain why biodiversity is important to humans.</li> <li>• Will explain at least one thing that causes damage to biodiversity.</li> <li>• Will explain at least one simple action people can take to support biodiversity.</li> </ul> <p><b>You can make your poster on paper or digitally.</b></p>	<p>contrasting rich and poor biodiversity Or you could even bake a cake with a biodiversity theme! (see below).</p>	<p>Remember, a haiku poem needs to have a structure of 5 syllables in the first line, 7 syllables in the second line and 5 syllables in the third line..</p> <p>E.g.</p> <p><b>Green leaves in the wind</b></p> <p><b>A river runs through the forest</b></p> <p><b>Bird song fills the air</b></p>
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<p style="text-align: center;"><b>Maths</b></p> <p><b>Close - call: An addition card game</b> <a href="#">Close-call: Addition card game</a></p> <p><b>Plenty of Cookies</b></p> <p>Amy went into her local cookie shop. Her mum had given her \$50 to spend.</p> <p>Amy liked the look of some chocolate cookies, which cost \$3 each, and some oatmeal cookies, which cost \$1.5 each.</p> <p>She bought four times as many chocolate as oatmeal and was given \$9.50 change.</p> <p>How many of each did she buy?</p>	<p style="text-align: center;"><b>Well Being</b></p> <p>Can you design a cake that represents biodiversity?</p>  <p>This is Elena's worm and soil cake, including: humus, topsoil, subsoil and bedrock!</p> <p>Can you design an exercise routine that goes with your favourite music.</p>
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**Sharing the Planet:**  
Please feel free to continue working on your personal inquiries.

