



# Take a Closer Look

Take some time to look more closely at the patterns we can find in nature.

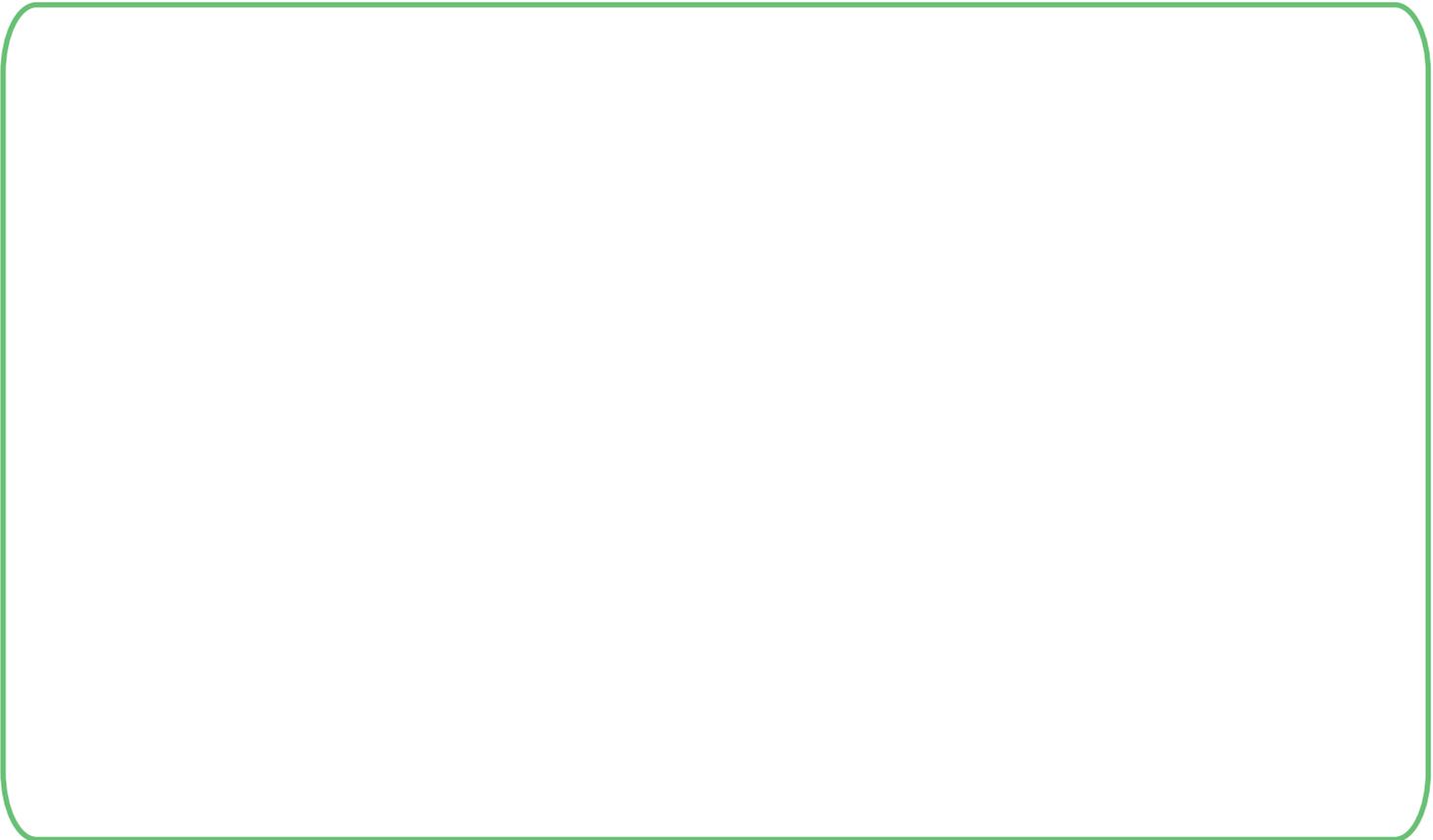
Did you know that there are thousands of naturally occurring patterns or sequences to be found in the natural world, in flowers, coral and shells, among other things? Some of these patterns follow the Fibonacci sequence, in which each number is the sum of the previous two.

The numbers are 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89...and so on.

You can find the Fibonacci sequence in the number of petals on a variety of popular flora and fauna.

The plant world has a preference for these numbers and for spiral geometries (known as the Golden ratio or section). These numbers and geometries are closely related.

Can you find any of these patterns? Sketch your findings in the space below



Inspiration: Simon Thomas's marble Moonbeam Sculpture features the Golden ratio in its shell formation and can be seen in the garden at Chatsworth.

