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8ENG7

The highlight of res for me was the Gibberagong excursion. I especially loved this excursion because it was so beautiful there. It kind of reminded me of going on bushwalks at home, when you drove in, you looked out over the water, and when you got to the destination, it felt secluded and secret. First we went looked at the differences of the two main types of mangrove (the river mangrove and the grey mangrove) and how they had adapted to living in a place such as theirs. The coolest things about the mangroves are their pneumatophores that are roots that come out of the ground so that the plant can breathe, the second thing was how the seeds didn't wash away, in the river mangrove the seeds were curved into hooks at the end and when they dropped they hooked into the ground, securing themselves so that the tide couldn't wash them away, and in the grey mangrove, the seeds pre-germinated, as in they started to grow when they were still on the mother plant, and then when they dropped they could continue growing straight away.

Next, we climbed up the hill, away from the mangroves into the bushland to look at the trees and wildlife. I was pleasantly surprised when i found out that all of the paths weren't concreated, like most bushwalks in Sydney. We went to see how they had adapted to survive fires and survive the destruction caused by native animals like bandicoots.

After this, we got to go and pick up and see what species crabs were, this was a very fun activity, however I was really bad at catching crabs and felt bad for stepping all over their homes. Continuing with the theme of crabs, we estimated, using the method of quadrants, how many crabs were in one hectare of this area, We did this by putting down a square 1m by 1 m and counting all of the crab holes that were inside it, using this method we both found out that there are more crabs closer to the water and that there are an estimated 490000 crabs in one hectare of the land.

To conclude our day, we did some water testing to see if the water was healthy or not, or results proved that the water was very healthy, as it was clear, the right temperature, a neutral PH level, and so on.