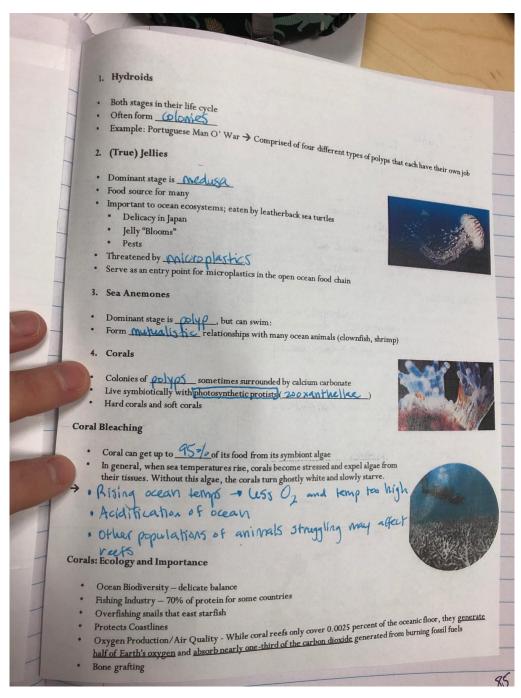
This was one lesson explored in my Life Sciences 11 class. We first discussed the morphological traits of Phylum Cnidaria and then used our scientific knowledge to connect to a bigger picture. For example, previously, we had explored the question "what is evolution and how does it occur?" and in this lesson, we aimed to answer more specific questions like "What evolutionary characteristics help corals to adapt and survive in their environments?" We continued including First Peoples' understandings of interrelationships between organisms and extended these understandings of interconnectedness into global processes such as climate change. We then engaged with questions like "How are corals being affected by climate change?" when we watched a TEDTalk on coral bleaching and restoration, and then "What can we do in our everyday lives to combat this?" when we created Public Service Announcements geared towards people in our own community.



→As citizens in this world, we should be informed enough to make smart everyday decisions for the betterment of ourselves, those around us, and the Earth itself.

Ted Talk (Youtube) Bringing coral reefs back to life | Dr. David Vaughan

- 1) What is happening to the world's coral reefs?
- 2) According to Dr. David Vaughan, what can be done to combat this?
- 3) What are coral nurseries? What are the limitations of these nurseries?
- 4) Why is it so hard for large corals to reproduce?
- 5) What percent of the world's corals have been lost since 1980?
- 6) What happened when Dr. David Vaughan broke the piece of coral? Why did the corals grow so much faster than usual?
- 7) Why don't the coral clones fight? What do they do instead? What is this process called?

What is the significance of these discoveries (why is it important to regrow these long-living corals so quickly?)

