

In the article "In coral Skeletons, Microscopic Portraits of Resilience?", author proposed a question as title to draw attention of readers. The hypothesis is drawn in a form of question, with different scientific approach written in the article as support of evidence. Through out the reading, the three tenets of Nature of science in NGSS that are met in the article as below,

1. Scientific Investigation use a variety of methods
In the article, researches on the growth of coral from different aspects are given, together with evidence that each research collected. With one scientific research that emphasizes the importance of marine environment play in the growth of coral. Another contends that the major process of coral growing is primarily a biological process. With acidification of sea water, Coral will still sprawling due to its own biological nature.
2. Scientific Knowledge is open to revision in light of new evidence
After supporting evidence is given from different science approach from the beginning of article, it starts opening different possibilities that interfere growth of coral, which is ocean warming. Although carbon emission is the cause for both ocean warming and acidification, more evidence can be found out if temperature of ocean plays key role in growth of coral.
3. Scientific knowledge assumes an order and consistency in Natural system
Regardless which scientific investigation were made in this article, they all follow the scientific facts in the natural system. The different approach determines where the focus of the investigation. When the study puts emphasize on coral as a living objects, biology process becomes the focal point of their approach. When the study raise the questions on how the growth of coral is to the whole marine eco-system, fundamental rules of chemistry and physics play an important role in their findings.

In the article "Hurricane Matthew: Here are scenarios for the USA", it meets 3 math practices in Common Core Mathematics Practices.

1. Reason abstractly and quantitatively: The author was abstractly reasoning that there were two potential scenarios for Hurricane Matthew. The Hurricane Matthew could cause devastation on land based on what it did in the Caribbean and it would be directly hit near the South Carolina / North Carolina boarder by model prediction quantitatively using the speed and location of the hurricane. Another scenario will be sliding up the coast and never make the landfall.

2. Use appropriate tool strategically: The use of satellite cameras outside of International space station to capture and estimate the size and the speed of the Hurricane Matthew.
3. Construct viable arguments and critique the reasoning of others: The author argue that the ultimate determination on how close Hurricane Matthew come to the East coast depends on timing and strength of other large scale weather systems spinning over the US and the Atlantics. The unpredictability of forecast for Hurricane Matthew was criticized with viable arguments as it is difficult to pin down both the upper-level high and low pressure areas which will either act to help pull the store into land or push it out to the sea.