

# Science Instruction Using the 5-E Method to Implement the Next Generation Science Standards



# Some questions to consider...

1. How far is the moon from earth?

## Video Explanation:

- [Space Station](#)

## Explore More:

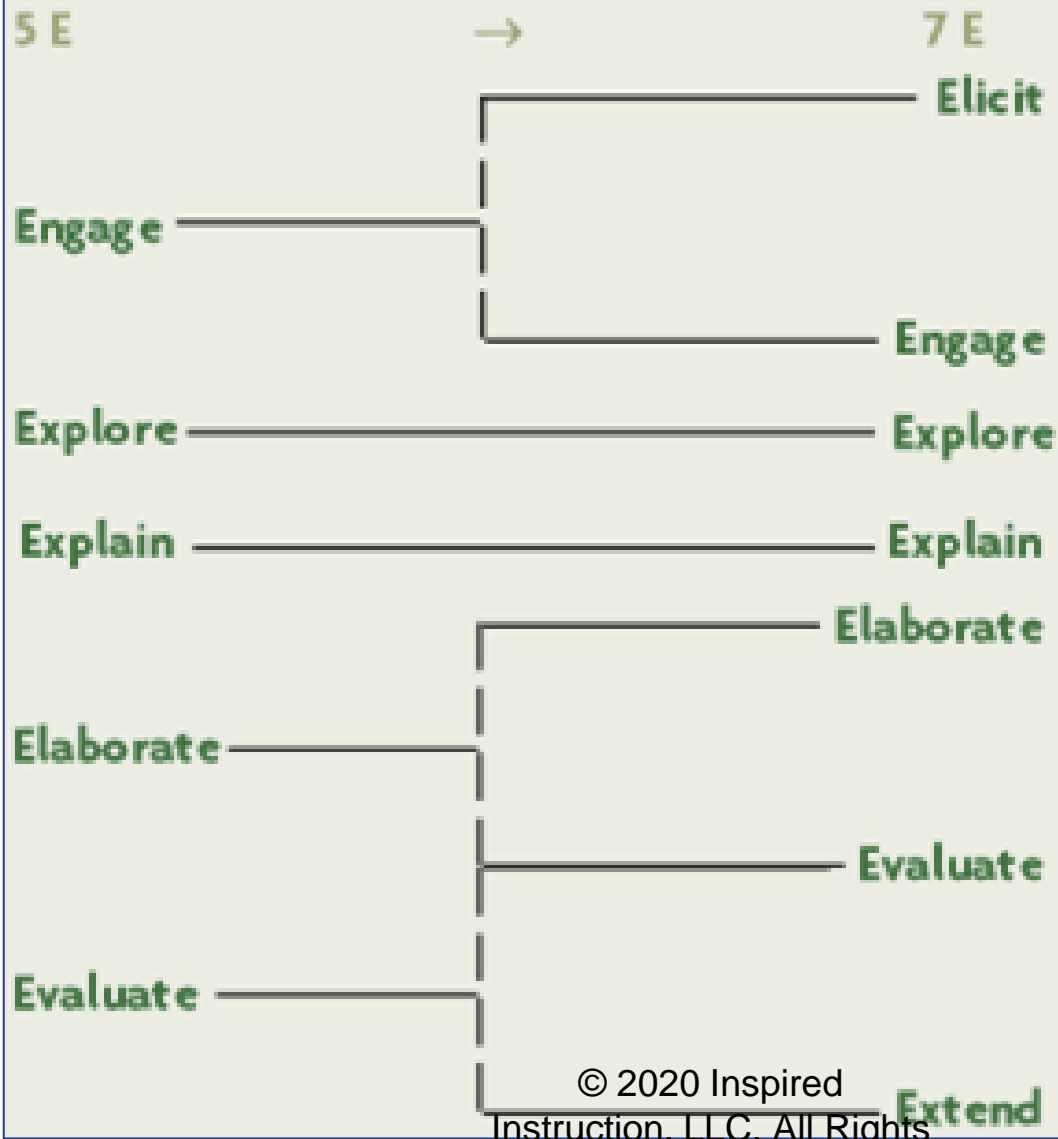
- [Solar Eclipse](#)
- [Moon Magic](#)



# What Would You Do?

- You ask a question and you get...
  1. Crickets...no one answers
  2. Only yes or no answers
  3. Wrong answers
  4. Answers no one understands
  5. Off topic answers
  6. Students who didn't hear answers

# The proposed 7E learning cycle and instructional model.



[Example Lesson](#)

Try it!  
Activity Bags

# Sample Assessment MS-LS2-3

1. Use the draw tool to show how the mouse survived when a mint plant is present even though no new oxygen ( $O_2$ ) could have entered the jar.
2. Based on your model, describe why the mouse survived when the mint plant is present even though no new oxygen ( $O_2$ ) could have entered the jar.



# Sample Assessment MS-LS2-2

## **Lionfish in the Atlantic (ID# 117-02-Y03)**

Some special groups work to protect native fish. Native fish are fish that are known to live in a certain area. One of these special groups works to protect native fish in the Atlantic Coast. They have found a new fish in the Atlantic Coast called the 'lionfish'. The group is trying to understand if the lionfish is going to be a predator for the native fish. To do this, they have collected data on the size of the lionfish population and the native fish population in the Atlantic Coast.



A native fish © 2020 Inspired  
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A lionfish

# Your Turn!

- ***Identify a topic*** – Physical Science: Law of Reflection
- ***State an objective*** – At the end of this lesson students will be able to apply the law of reflection.
- ***State a discovery*** - During this lesson the students will discover the law of reflection.
- ***Identify a discovery activity*** – Three mirror challenges
- ***Identify an “engage”*** – Ask students “Who do you see in the mirror?”
  
- **Sample Lessons: NASA’s 5E lessons**

# Want to Book This Workshop? Contact Us Today!



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