

Grade 4 – Level 2

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ZOOM SESSIONS scheduled for Tuesday at 10:00 AM – July 7, 14, 21, 28; August 4, 12, 2020

- Lesson 1:** **Jessica Peixoto** 7-07-20 Earth and Space Science
“The Effect of Ultra Violet Rays on Human Beings”
Students will locate from where ultra violet rays emanate and explore how UV Rays affect a human being’s body. Students will view a power point presentation focusing on the dangers of ultra violet rays and engage with inquiry questions as to how a person can and should protect their skin. This earth and space science experience will culminate with the creation of an “Ultra Violet Ray” detection bracelet.
- Lesson 2:** **Jessica Peixoto** 7-14-20 Life Science **“Introduction to a Crustacean, Homarinus americanus, the American Lobster”**
A power point presentation will be used to introduce students to the American Lobster. The anatomy of a lobster will be identified and discussed. Students will create their own cardstock lobster.
AN ADDITIONAL CHALLENGE: What did the Pilgrims use lobsters for?
- Lesson 3:** **Jessica Peixoto** 7-21-20 Physical Science **“Floating and Sinking”**
Students will be introduced to the property of water, “surface tension,” through a power point presentation. This characteristic enables some objects to float and some objects to sink. Inquiry questions and discussion of the results will culminate in the creation of “floating devices”.
- Lesson 4:** **Katie Almeda** 7-28-20 Life Science **“Salt Dough Fossils”**
Students will discuss the term “fossil,” and discover the difference between a “mold” and a “cast” fossil. Students will create a salt dough fossil. The recipe for salt dough will be supplied and is easily made from “kitchen” substances (salt, flour, water)
- Lesson 5:** **Katie Almeda** 8-04-20 Physical Science **“Fireworks in a Jar and Lava Lamps”**
Students will discuss a property of water, termed “density.” Understanding this characteristic of liquids, students will be able to explain how density allows for the separation of household liquids through the creation of two projects: “Fireworks in a Jar and Lava Lamps”

Lesson 6: **Katie Almeda** 8-11-20 Engineering & Technology

“STEAM Challenge - Spaghetti Tower” Students will utilize the engineering design process to plan, design, create, test, and redesign a tower using uncooked spaghetti and marshmallows.

