



# MOANA

## A WAYFINDER'S JOURNEY

### A S.T.E.A.M POWERED SUMMER PROGRAM

SCIENCE TECHNOLOGY ENGINEERING ART MATHEMATICS



## Toddlers, Preschool, and Kindergarten

### Week 1: July 3- July 7 (July 4 –No School) Celebrating America

Our summer program this year will be filled with adventure and fun for our little explorers. We will learn why we celebrate 4<sup>th</sup> of July. We will weave a flag out of twine and twigs and use items we find in nature to create garlands for our Fourth of July parade at the end of the week. We will have watermelon slushies, water games, and an outdoor picnic.

### Week 2: July 10-July 14 Island Nations of the Pacific

Motunui, the fictional island where Moana lived, was inspired by the different islands of the South Pacific. Our journey begins by learning about the islands of Oceania, including those used as reference to create Motunui, such as, Tetiaroa, Fiji, Samoa, Tahiti, Moorea, Bora Bora, New Zealand, and Hawaii. We will also learn about their culture and traditions.

### Week 3: July 17 -July 21 Storytelling/ Mythology

Polynesians are among the best story tellers of all time. Before books or written language, stories of their culture, beliefs, and history were told through oral tradition. This week, we will learn about Polynesian mythology and learn how to craft a captivating story using a monomyth or a hero's journey. The younger students will learn how to tell a story using pictures, gestures, and sound.

### Week 4: July 24 – July 28 Motion of the Ocean: Waves

This week we will learn about ocean waves and the physics behind it. We will learn characteristics of sound waves and characteristics of waves of water. We will create our own wave maker to simulate waves. We will also look at what it took to animate the ocean in the movie.

### Week 5: July 31 – August 4 Wayfinding

Ancient Polynesians were one of the greatest sea voyagers. By using the earth's natural features, they were able to navigate the ocean and search for new lands to explore. We will learn how they did this, and how they sailed the vast ocean with their double canoe. We will make stick charts, engineer our own sea vessel, and learn to identify major constellations.

### Week 6: August 7– August 11 The Ocean and the Sea Turtles

In the movie, the ocean became Moana's calling, challenge and eventually a companion in her voyage to save her island. She also demonstrated compassion in ocean life, such as the sea turtle she protected. We will learn about the endangered sea turtles and take a look at the dangers of marine plastic pollution. In our own little way, we will devise a plan to help protect our ocean.

### Week 7: August 14 – August 18 The Art of Moana

Disney/ Pixar team of filmmakers, artists, and animators had a big task at hand. We will learn about story boards, visual development, character design, and the animation process. We will also look at why Maui has so many tattoos and what these tattoos signify. There will be lots of fun art this week.

### Week 8: August 21 – August 25 The Music and Dances of the Islands

This week we will explore the music and dances of Samoa, Tonga, Fiji, Tahiti, New Zealand, and Hawaii. We will listen to Tahitian drumming and learn how to play the to'ere drums. At the end of the week, we will have lots of food and plenty of fun with a luau. We will have a Polynesian dance troop and dance along with them.

