

AMANYARA



Seeking Future Science Explorers
and Environmental Keepers

Amanyara's partnership with the renowned Phillip and Patricia Frost Museum of Science (Frost Science) in Miami continues with the resort's youth activity program, Science Explorers and Environmental Keepers (SEEK). Located in Miami, the world-leading museum is dedicated to sharing the power of science, sparking wonder and investigation, and fueling innovation for the future.

Each camp takes place at Amanyara, with programmes tailored for children aged between five and ten, as well as for teenagers aged between eleven and fourteen. SEEK camps will focus on three primary themes: *Coastal Conservation*, *Reef Rescue and Sun, Moon and Stars*, with hands-on science activities and "out in the environment" guided experiences, such as kayaking and snorkelling led by Frost Science Educators.

Coastal Conservation

Thursday 18 - Thursday 25 March 2021

This theme will take a deeper look into the precious mangroves, sand dunes and marina life that call coastlines home. Young explorers will learn key conservation efforts and ways in which to help make a change. Activities will include kayaking or hiking through mangroves, building a coastline model, participating in a mangrove nursery scavenger hunt and a microscopic look at sand and plants.

The SEEK camp will be offered during this week, with a flexible daily drop in atmosphere.

Daily rate per child: USD 95 + 27% tax

Coastal Conservation

Thursday 18 March

7.30pm – 8.30pm

[SEEK Program Introduction](#)

Discover the excitement that awaits this week with a look at the stars with a telescope.

Friday 19 March

10am – 11am

[Parts of a Mangrove](#)

Discover what makes mangroves special as you build your own model.

12pm – 2pm

[Mighty Mangroves](#)

Explore a local mangrove forest with this exciting waterfront boat tour that takes you up close to a marine nursery.

4.30pm – 5.30pm

[Salt Water Density Experiment](#)

Explore differences in ocean salinity in this colorful experiment.

Saturday 20 March

10am – 12 noon

[Snorkeling](#)

Dive into the turquoise water to explore the corals and diverse marine life that call the shores of Amanyara home with this snorkeling experience.

3pm – 4pm

[Coral Polyp Creations](#)

Make a coral polyp to take home as you learn about coral reef ecosystems.

4.30pm – 5.30pm

[Marine Life Sorting and iMovie](#)

Sort and classify creatures of the reef and then make your own video to share.

Sunday 21 March

10am – 12 noon

[Costal Walk](#)

Walk along the beautiful coastline of Amanyara to discover all the interesting creatures that live along the shore.

3pm – 4pm

[Beach in a Bottle](#)

Explore the parts of a beach before making Make a beach in a bottle to take home.

4.30pm – 5.30pm

[Nature Walk Classification and Sorting](#)

Sort and classify coastal specimens you found on the nature walk in the morning, just like scientists do.

Wednesday 24 March

10am – 11am

[Waves](#)

Explore the science of waves through slinkies, ripple tanks, and more.

11.30am – 12.30pm

[Green vs. Gray Infrastructure](#)

Build your own model coastline to explore a real-world engineering challenge to protect coastlines worldwide.

4.30pm – 6.30pm

[Coastline Exploration](#)

Paddle along the coastline in a guided kayak tour of a mangrove nursery.

Thursday 25 March

10am – 12 noon

[Beach Clean-Up](#)

Join us for a special nature walk where we will be doing a marine debris coastal clean-up to give a helping hand to the environment

3pm – 4pm

[Sand and Microplastic Investigation](#)

Zoom into the beautiful, microscopic world of sand while learning about the problem with microplastics.

4.30pm – 5.30pm

[Rubber Ducky Experiment](#)

Discover how ocean currents move debris around the ocean by simulating a real-life rubber ducky's journey.



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Sun, Moon and Stars

Friday 26 March – Friday 2 April 2021

Young guests at Amanyara need only look upward to the starlit skies to witness the beauty of the cosmos. Frost Science Educators will explain the interesting properties of the sun and moon before launching into the science of the stars. Children will learn how we can use light to search for life on other planets as well as hear fascinating stories about the constellations. Activities will include night-time stargazing, constellations mapping, spectroscopy and creating moon models.

The SEEK camp will be offered during this week, with a flexible daily drop atmosphere.

Daily rate per child: USD 95 + 27% tax

Sun, Moon and Stars

Friday 26 March

7.30pm - 8.30pm

[SEEK Program Introduction](#)

Discover the excitement that awaits this week with a look at the stars with a telescope.

Saturday 27 March

10am - 11am

[Ancient Mariners](#)

Create your own map of an island nation based on methods used by ancient mariners.

3pm - 4pm

[Follow the Moonlight](#)

Get ready to jump and crawl to evade predators as you simulate the journey of a sea turtle on the beach through an exhilarating obstacle race!

6pm - 8pm

[Ocean Edge Sunset Experience](#)

Join us to admire the sunset while investigating the science of light and horizons. You may get lucky and even spy a green flash!

Sunday 28 March

10am - 11am

[Phases and Tides](#)

Identify the special relationship between the ocean tides and our moon by plotting the phases of the moon.

3pm - 4pm

[Lunar Explorers](#)

Investigate the physics behind the moon's surface in this messy replication of craters.

Sunday 28 March contd.

7.30pm - 9.30pm

[Majestic Moon](#)

Behold our planet's natural satellite through one of our telescopes and enjoy some pizza and s'mores while learning all about the moon through science storytime

Wednesday 31 March

10am - 11am

[Solar Rovers](#)

Test your engineering skills to put together a rover powered by just solar energy! Then, compete in a race for the fastest rover on the island.

12pm - 2pm

[Mighty Mangroves](#)

Paddle through a mangrove nursery in a guided kayak tour showcasing the relationship between the sun and these important coastline plants.

4.30pm - 5.30pm

[Power of Plants](#)

Use the sun's energy to race through the photosynthesis process plants use to make their own food. Complete the race for a sugary surprise and get the chance to view a plant's green organelles under a microscope.

Thursday 1 April

10am - 12 noon

[Coastal Exploration](#)

Energize your day by walking along the beautiful coastline of Amanara while playing with the sun's shadow to plot time.

Thursday 1 April contd.

3pm - 4pm

[UV Science](#)

Just how powerful are the sun's rays? Experiment with various materials to find the right protection for your UV sensitive model and make your own UV bead bracelet to take home.

4.30pm - 5.30pm

[Earth, Moon and Sun System](#)

Dig into the special relationship between the earth, moon and sun by creating an orbital model. Then use light and other props to understand the science behind eclipses.

Friday 2 April

10am - 11am

[Science of Spectroscopy](#)

Use your observational skills to view the emission line spectra of various gases and learn what stars are made out of!

3pm - 4pm

[DIY Telescope](#)

Gain a new perspective on light and magnification as you make your own telescope tool.

7.30pm - 9.30pm

[Under the Stars](#)

Take a moment to admire the wonders of the night sky using a telescope. Then, make your own star constellation lantern to take home.

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Coastal Conservation & Sun, Moon and Stars Monday 5 - Saturday 10 April 2021

This theme will take a deeper look into the precious mangroves, sand dunes and marine life that call coastlines home. Young explorers will learn key conservation efforts and ways in which to help make a change. In addition, Frost Science Educators will explain the interesting properties of the sun and moon before launching into the science of the stars. Children will learn how we can use light to search for life on other planets as well as hear fascinating stories about the constellations. Activities will include kayaking through the mangroves, building a coastline model, participating in a mangrove nursery scavenger hunt, a microscopic look at sand and plants, night-time stargazing, constellations mapping, spectroscopy and creating moon models.

The SEEK camp will be offered during this week, with a flexible daily drop in atmosphere.

Daily rate per child: USD 95 + 27% tax

Coastal Conservation with Sun, Moon and Stars

Monday 5 April

7.30pm - 8.30pm

[SEEK Program Introduction](#)

Discover the excitement that awaits this week with a look at the stars with a telescope.

Tuesday 6 April

10am - 12 noon

[Snorkeling](#)

Dive into the turquoise water to explore the corals and diverse marine life that calls the shores of Amanyara home with this snorkeling experience.

3pm - 4pm

[Coral Polyp Creations](#)

Make a coral polyp to take home as you learn about coral reef ecosystems.

4.30pm - 5.30pm

[Marine Life Sorting and iMovie](#)

Sort and classify creatures of the reef and then make your own video to share.

Wednesday 7 April

10am - 11am

[Phases and Tides](#)

Identify the special relationship between the ocean tides and our moon by plotting the phases of the moon.

3pm - 4pm

[Lunar Explorers](#)

Investigate the physics behind the moon's surface in this messy replication of craters.

Wednesday 7 April contd.

7.30pm - 9.30pm

[Majestic Moon](#)

Behold our planet's natural satellite through one of our telescopes and enjoy some pizza and s'mores while learning all about the moon through science storytime

Thursday 8 April

10am - 12noon

[Coastal Walk](#)

Walk along the beautiful coastline of Amanyara to discover all the interesting creature that lives along the shore.

3pm - 4pm

[Beach in a Bottle](#)

Explore the parts of a beach before making a beach in a bottle to take home.

4.30pm - 5.30pm

[Nature Walk Classification and Sorting](#)

Sort and classify coastal specimens you found on the nature walk in the morning, just like scientists do.

Friday 9 April

10am - 12noon

[Mighty Mangroves](#)

Paddle through a mangrove nursery in a guided kayak tour showcasing the relationship between the sun and these important coastline plants.

Friday 9 April contd.

3pm - 4pm

[Solar Rovers](#)

Test your engineering skills to put together a rover powered by just solar energy! Then, compete in a race for the fastest rover on the island.

4.30pm - 5.30pm

[Power of Plants](#)

Use the sun's energy to race through the photosynthesis process plants use to make their own food. Complete the race for a sugary surprise and get the chance to view a plant's green organelles under a microscope.

Saturday 10 April

10am - 11am

[Ancient Mariners](#)

Create your own map of an island nation based on methods used by ancient mariners.

3pm - 4pm

[Follow the Moonlight](#)

Get ready to jump and crawl to evade predators as you simulate the journey of a sea turtle on the beach through an exhilarating obstacle race!

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[Ocean Edge Sunset Experience](#)

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