Around the World
Voyage to Ulithi Day 1

TK-3RD GRADE

WELCOME

(5 min)

Instructions: Welcome your students. Say, "This week we get to travel to some very tiny islands in Micronesia called the Ulithi Atoll. The people on these islands are very friendly and they share everything they own. They depend on their reef for food and are working with scientists to understand how to manage their reef resource. Something you will hear as you sail to the islands is a lot of fun island reggae songs. We will start off our Journey to Ulithi with one of these songs!"

MUSIC TIME

(15 min)

Materials:

- Paper
- Ulithian song

https://soundcloud.com/motigtig/one-people-one-reef?utm_source=clipboard&utm_medium=text&utm_campaign=social_sharing

ULITHIAN MUSIC WALK

One People One Reef Song

Players will participate in a fun musical dance walk similar to the game musical chairs. Play the song "One People One Reef" and have fun dancing along to this island reggae song from the Ulithi Atoll.

Instructions: Set out papers for every player in a large circle. Have players stand on a paper. Play the "One People One Reef song and have them walk around the circle. When the music stops, take a paper away. The player without a paper is out. The game will continue in this pattern until only one person is left. Invite those who are out to have a dance party while the game continues.

One People One Reef Song:
https://soundcloud.com/motigtig/one-people-one-reef?utm_source=clipboard&utm_medium=text&utm_campaign=social_sharing

MOVIE TIME

(15 min)

STEMTAUGHT VISITS THE ULITHI ATOLL

Instructions: Tell students that they are getting to use some of the same materials that STEMTaught donated to 4 schools on the Ulithi Atoll. Here is a movie about the students on the Ulithi Atoll exploring the outdoors and using some of their new science equipment. STEMTaught was part of the science team funded by National Geographic and working with One People One Reef to study the water temperature, coral health, and fish species on the reef in order to help the people learn how to maintain this precious reef ecosystem that supports their life. Now you can try a fun temperature experiment.

STEM TIME
(60 min)

Materials:
- Octopus
- Container of water
- Paper
- Coloring utensils

OCTOPUS OBSERVATION

Instructions:

*STEM coach: Buy frozen octopus from the grocery store.
1. To prepare, defrost the octopus, and place it in a container of water.
Say: "This octopus was once a live animal that has feeling, and was very smart. Some people eat these animals, some don't. We need to be respectful of the octopus in the way we think about it and how we handle it."
2. Allow the students to take the hour to observe the octopus. Encourage them to draw and write about what they observe.
Ask: What do you notice? How does it feel? Do you see the suckers under it's tentacles?
3. Take pictures!

Facts to share during the observation:
1. They have 8 arms, called tentacles. Octo means 8. There are lots of suckers under each tentacle. These are suction cups that help them hold onto things. They also eat and taste through their suckers.
2. If a tentacle gets broken off, it can grow back.
3. Octopus have no bones. This helps them squeeze through small spaces and escape from sharks or dolphins that like to eat them.
4.They have three hearts.
5.They can shoot black ink when a predator is near. This confuses the other animals because they can't see, and the octopus quickly sneaks away.
6. They can change color to camouflage themselves and blend in so they can't be seen.
7. The mother lays lots of eggs. Then after her babies hatch she dies.

FREE TIME
(55 min)

Materials:
- Books
- Various board or card games
- Journals

GAMES, BOOKS, AND JOURNAL

Objective: Allow students time to connect with each other through a fun game. Spend some time reading some fun books with your class, and prompt your students to take a few minutes to write in their journals about what they did that day.

STEM TIME
(60 min)

Materials:
- Music
- A folded towel
- Ballon full of water and tied

SOUND EXPERIMENT

Instructions:
Ask: "Does sound travel through water? Let's experiment and find out!"
1. Prepare some regular balloons full of water as these are less prone to popping. Ideally do this experiment outside in case any balloons pop.
2. Put the water balloon against your ear. Plug your other ear with your hand.
3. Have a leader or friend hold a phone speaker against the balloon. Can you hear the music?
4. Now have a friend talk through the balloon. Keep your other ear covered with your hand. Can you hear them?
4. Then try the experiment with a folded towel pressed against your ear, instead of the balloon.
5. Ask: "Can you hear better through the water or towel?"