

Voice of the Sea TV Episode Guide — Through the 2020 School Year

TV - K5 (ch: 22 & 1022)	Episode	Description	Family Discussion Ideas
Sat April 11 @ 4pm Sun April 12 @ 5pm	<a href="#">Human Assisted Corals</a>	We're investigating how assisted evolution is increasing the resilience of corals in the Ruth Gates Lab at the Hawai'i Institute of Marine Biology, which is internationally famous for this cutting-edge research. We'll talk to the Gates Lab project manager, Genetics and Microscopy expert, Graduate Student Researchers, Lab assistants, and a high school intern — all playing a part in understanding and ensuring a future for coral reefs on our planet earth.	<ul style="list-style-type: none"> <li>- How might humans help coral reefs to survive bleaching events?</li> <li>- What are some ways that locally adapted corals might help reefs survive bleaching events?</li> </ul>
Sat April 18 @ 4pm Sun April 19 @ 2:30pm	<a href="#">Intertidal Algae and Invertebrates</a>	We're learning about different types of algae and invertebrates with researchers from Our Project in Hawaii's Intertidal (the OPIHI project), who are working with teachers and students around the state of Hawai'i to monitor the health of the intertidal environment	<ul style="list-style-type: none"> <li>- How many different types of limu can you name?</li> <li>- How might changes in the type or amount of limu at your local beach be an indicator of changes in water quality?</li> </ul>
Sat April 25 @ 4pm Sun April 26 @ 6pm	<a href="#">Hanauma Bay</a>	We explore above and below the water at Hanauma Bay—one of the most unique marine protected areas in the world. We talk to the education staff to learn about the most interesting organisms at the bay and how Hawai'i residents, visitors, and school groups can learn about fishes, corals, limu and the bay itself, both in person and online! Then, we chat with researchers from the University of Hawai'i who are working to understand the ecology of the bay, how it is impacted by visitors, and how the coronavirus pandemic is providing Hanauma Bay with an unanticipated period of rest—and how they are going to continue their research.	<ul style="list-style-type: none"> <li>- What fish would you most like to see at Hanauma Bay?</li> <li>- How do you think the bay will respond to its time without visitors?</li> <li>- How might your local ocean zone change during the corona virus stay-at-home time?</li> </ul>
Sat May 2 @ 4pm Sun May 3 @ 6pm	<a href="#">Marine Debris</a>	We're learning about marine debris—the problems and issues as well as what our island communities are doing to combat the problem. We'll visit the James Campbell National Wildlife Refuge, a grass-roots micro plastic clean-up effort on Kauai, and the Honolulu based Nets-to-Energy program. We talk with the NOAA Pacific Islands Marine Debris Regional Coordinator, Surfrider, Ocean Friendly Restaurants, Kōkua Hawai'i Foundation, and Mālama Learning Center about the efforts we can all take as individuals to help stop marine debris.	<ul style="list-style-type: none"> <li>- How does marine debris get to our beaches?</li> <li>- Where does marine debris come from?</li> <li>- How might the current corona virus pandemic affect the amount of marine debris?</li> <li>- How can you help prevent marine debris?</li> </ul>
Sat May 9 @ 4pm Sun May 10 @ 6pm	<a href="#">Hazard and Hurricane Preparedness</a>	We're talking preparedness with the scientists who wrote the Hawai'i Handbook on how to prepare for Natural Hazards. We visit the Central Pacific Hurricane Center to learn about how meteorologists forecast weather and what they do during hurricanes and tropical storms. Then, we talk to the Department of Emergency Management about what you need to know to stay safe during disasters! We also learn how to strengthen your home to withstand storms and high winds. We take a look at some of the different protection options available—for both single and double wall homes.	<ul style="list-style-type: none"> <li>- How is preparation for staying at home during the corona virus pandemic similar and different to preparation for a hurricane?</li> <li>- What supplies does your family need to gather to be better prepared?</li> <li>- What is your family plan for natural disasters (where will you go, who will you call, and where are your emergency supplies)?</li> </ul>
Sat May 16 @ 4pm Sun May 17 @ 6pm	<a href="#">Mapping the Freshwater of Hawai'i</a>	We learn how scientists use chemical signatures to track the flow of freshwater underground and into the ocean as part of the 'Ike Wai project's work to map and model the aquifer system of underground, stored freshwater in Hawai'i.	<ul style="list-style-type: none"> <li>- Why is it important to know about our underground supplies of freshwater?</li> <li>- How can your family make the best use of its freshwater?</li> </ul>
Sat May 23 @ 4pm Sun May 24 @ 6pm	<a href="#">King Tides</a>	We're talking about the exceptionally high king tides and citizen science with Senator Brian Schatz. King Tides were widely reported across the state this year, and UH's Dr. Mark Merrifield explains how sea level rise is increasing the amount of flooding associated with these high tides. We talk story with Matt Gonser and Maya Walton, to learn more about the Pacific Islands King Tides Project and how you can get involved.	<ul style="list-style-type: none"> <li>- Have you ever seen a very large high tide? What did it look like?</li> <li>- Where would you go to take the most dramatic picture of the upcoming King Tides?</li> <li>- How could you participate in the King Tides project while still social distancing?</li> </ul>