

Citizen Science Requirements

The award recognizes Marine Eco Expedition scouts that complete every monitoring, engineering, and research project offered throughout the week. Scouts who earn this award are those who have a passion for research, are diligent in their reporting, and are willing to venture out into uncharted waters to seek new knowledge for the sake of our planet

Key West	Paddleboard & Kayaking	Snorkeling	Shark Fishing/Tagging	Island Time	ROV Construction
Complete all	Complete all	Complete 5 of 7	Complete all	Complete all	Complete all
<ol style="list-style-type: none"> 1. Visit Ft. Zachary state park and learn about the fort history 2. Visit Eco Discovery center (if open) 3. Identify the most invasive species in the Keys (iguana) 4. Show proper use of buddy system while navigating Key West attractions 5. Attempt to try a new local food! 	<ol style="list-style-type: none"> 1. Demonstrate proper terms of kayak/paddle board 2. Understand the BSA rules and safety review 3. Demonstrate proper loading and unloading from each Kayak/Paddleboard 4. Demonstrate proper control of paddles 5. Wear appropriate PFD 	<ol style="list-style-type: none"> 1. Complete REEF Fish ID survey completely and accurately 2. Complete BleachWatch survey 3. Complete SCLTD survey 4. Conduct water quality tests 5. Show proper knowledge of hand signals and effective buddy system communication 6. Demonstrate proper use of equipment 7. Return all snorkel equipment in good condition 	<ol style="list-style-type: none"> 1. Demonstrate proper use of equipment 2. Ability to self-sufficiently bait your own hook and remove fish from the line in a timely manner 3. Attempt to catch a shark/mahi mahi 4. If shark/mahi mahi is caught, attempt to successfully tag, measure, and record data 	<ol style="list-style-type: none"> 1. Conservation of freshwater 2. Successfully complete Munson Island Scavenger Hunt 3. Properly identify mangrove species 4. Properly identify poisonwood 5. Identify three plant or animal species that are edible, poisonous, or protected 6. Show proper respect to sensitive species of plants, animals, and marine life 7. Maintain a positive attitude while enjoying Island Time 	<ol style="list-style-type: none"> 1. Work as a whole team to build base frame of ROV 2. Construct brand new motors OR attach pre-built motors to ROV 3. Construct brand new remote control if needed 4. Demonstrate neutral buoyancy in ROV 5. Demonstrate the ability for ROV to move forward/backward, left/right, and up/down 6. Construct a team flag 7. Race ROV during luau