Honorable Mention: Jasmine Johnson

Thurgood Marshall Elementary School
Teacher: Ms. Jennifer Watkins

Do you love robots and the environment? I do. My name is Jasmine Nalani Johnson and I am in fifth grade and I love robots. I got into this contest because I’m interested in learning about how animals react to currents in the Delaware Bay. Pretty cool right? Do the currents affect the animals’ movements, diet, or growth? Well I would like to do some research to find out.

One of the main animals I would study would be a very famous blue crab. Blue crabs are common in the Delaware Bay. They are a popular recreational resource and are important to the economy in Delaware. We can study how the crabs react to the currents in the Delaware Bay.

For this research, I chose to use the Autonomous Underwater Vehicle (AUV). One of the reasons I chose the AUV is because it can go into deep water like the waters of the Delaware Bay. Another reason I chose the AUV is because it takes video so we can see the crab’s movements. With the video, we can also monitor what the crabs eat. Photographs taken with the AUV may be helpful in measuring the crabs.

I want to use the Autonomous Underwater Vehicle to study the how the Delaware Bay currents affect the blue crabs’ movement, diet and growth. By studying the blue crabs, we can see how to make the Delaware Bay a better habitat for blue crabs. These are the reasons that I want to use the AUV to study the blue crabs in the Delaware Bay.