Curious Cephalopods Virtual Lab Program

Goal: Increase in knowledge of the structure and function of highly specialized group of marine invertebrates.
Objective: Examine the adaptations of the marine organism class of Cephalopoda through experimentation and observation.

Rotation Timing

Introduction – 5 minutes
Stations – 50 minutes
Conclusion – 5 minutes
*Please not all time are approximate

The program design of the ***Curious Cephalopods Lab*** will introduce students to scientific principles, investigative techniques, and unique marine organisms. The students will be engaged with hands-on, inquiry-based activities that will address key concepts, such as anatomical structures and functions and adaptations. Our instructors will facilitate each station's content through the 5 E's framework. The stations are connected to Next Generation Science Standards for 3rd through 5th Grade.

Your students will become marine biologists to examine how a group of highly adapted animals thrive in the marine environment. This program strives to empower them to become active stewards of the environment.

Activity Station Overview

Squid Dissection
Students will observe and participate in the dissection of a California Market Squid. They will understand the functions of the internal and external anatomy of the animal.

Octopus Anatomy
Students will examine the anatomy of a preserved octopus. They will identify key structures and determine the function of each.

Cephalopod Adaptations
Student will compare and categorize cephalopod adaptations. They will determine the role each adaptation plays in the survival of these amazing organisms.