



Curious Cephalopods Virtual Lab Information Guide

Dear participating teachers,

Greetings from the San Diego County Office of Education's Science Outreach Team! We are looking forward to connecting with you live from our Virtual Learning Space. Please familiarize yourself with the information detailed in this document.

The Science Outreach Team is excited to announce a new program, ***Curious Cephalopods Virtual Lab***, for the 2020/2021 school year! We hope that that this new experience will be academically enriching, relevant, and memorable for your students.

Please review the list below

1. Please submit the Program Schedule no later than 10 business days after your program date is confirmed by the SDCOE staff. scienceoutreach@sdcoe.net
2. All activities will be conducted from inside our Virtual Learning Space. We ask that your students are located in a space on campus, which can remain undisturbed during each session.
3. Each participating class should arrive promptly at its scheduled time. Each program session is approximately 60 minutes. There is a maximum of 30 students for each session. A maximum of four sessions can be scheduled per day. Please set the schedule with at least 10 minutes between classes. The first session may start no earlier than 8:30am. The final session may end no later than 2:00pm.
4. Have your students ready to interact with the instructor. During the facilitation of the activities, our staff will be asking questions. Please have yourself or another staff assist in selecting the students to answer the questions and monitoring student behavior. Station worksheets are available for the student to complete along with the instructor.
5. Please complete and submit the Program Receipt no later the 2 business days after the program. scienceoutreach@sdcoe.net

The program design of the ***Curious Cephalopods Virtual Lab*** will to 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

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

Please call (858) 290-5986 or email scienceoutreach@sdcoe.net if you have any questions. We are looking forward to connecting with you soon!

SDCOE's Science Outreach Team