

ADVANCED MARINE INVERTEBRATE STUDY

Presented by Chincoteague Bay Field Station
Wallops Island, VA



WEDNESDAY
AUGUST 9

4:30-6:00PM
6:30PM
7:00PM

Check In (Please eat dinner before arrival) _____ Red Knot Resident Hall

Welcome and Orientation _____ Education Center Lab

Marine Invertebrate 101

Dive deep into the vast and diverse world of marine invertebrates! With their biology spanning an enormous array of morphologies and life histories; we will emphasize common features among the different groups and pay particular attention to physiology, development, ecology, systematics, and behavior.

THURSDAY
AUGUST 10

6:30AM

Early Morning Collection Trip _____ Red Knot Lobby

Head out right at low tide into salt water creeks and marshes aboard our research vessel for a trip that will include trawling and benthic grabbing and topping it off with a trek onto an isolated mud flat to look for clams and other buried organisms. By the time you head back to dock, you will have a large collection crustaceans, mollusks, echinoderms, cnidarians, and ctenophores. After categorizing, measuring, and recording them all for use in our research database, your hard work will be rewarded with breakfast right on the boat. No other trip will prepare you more to be a marine biologist!

11:00AM

Marine Invertebrate Study _____ Education Center Lab

Once back at the station, you will spend the rest of the day participating in an advanced organism lab session working with microscopes and studying plankton from the water samples you just collected. Once a marine invert species has caught your fascination, we will provide the resources to study it even further.

12:30PM

Lunch _____ Dining Hall

1:30PM

Focus Species Presentation Preparation _____ Education Center Lab

It's time to create a solo or group presentation on your focus species. What is its life history? Does it have weird or unique biology? Is it facing conservation issues like climate change or overharvest? These are all questions you will hope to answer for your fellow learners!

3:30PM

Afternoon Snack

6:30PM

Beach Bash _____ Red Knot Lobby

Now that the hard work has been done, relax on the beaches of Assateague Island for a grill out dinner and camp fire by the sea.

FRIDAY
AUGUST 11

8:00AM

Breakfast _____ Dining Hall

8:45AM

Check Out and Clean Labs _____ Red Knot Resident Hall

9:45-11:30AM

Student Symposium _____ Education Center Lab

Whether your presentation is with PowerPoint, a movie, or other type of media, this morning is a chance to enlighten your fellow classmates on just how unique and interesting your focus marine invertebrate species is. Parents are welcome to attend our student symposium!

11:30AM

Parent Pick Up and Departure _____ Education Center Lobby

We hope you have enjoyed this new learning adventure and will join us for other rewarding educational programs in the future. Best wishes and safe travels!