

**Virginia Association of Science Teachers
2022 Professional Development Institute
"Reconnecting to Virginia's Space, Place,
and Contributions to Science"**



**TICKETED FIELD EXPERIENCES
NOVEMBER 10-12**

**Preregistration is required, cost is \$10.00 per field experience (nonrefundable),
The deadline to register for a field experience is October 31.
Register for a field experience when you register online for the PDI.
<https://vast.wildapricot.org/2022pdi>**

Thursday PM Field Experiences (3:15pm – 5:00pm)

FT #1: William and Mary field experience

Join faculty from William and Mary on campus for field-based investigation of a water site. Paddling, specimen collection, and analysis covering geological history and chemistry concepts. William and Mary Faculty

FT #2: Conservation Laboratory at the Colonial Williamsburg Art Museum

Tour the Conservation, Paint Analysis, Paper Conservation Lab, and Textile Labs, learning what behind the scenes work happens to create engaging museum exhibits. What science concepts are involved in art museum curation? Come find out! Colonial Williamsburg Art Museum Staff

Friday AM Field Experience (8:00am – 12 noon)

FT #3: Archaeology and Education at Fairfield Plantation

Join the Fairfield Foundation for a hands-on archaeological experience at Fairfield Plantation. Tour the c. 1694 manor house ruins, learn about the organization's educational programming both at the site and in the classroom, and get your hands dirty digging side-by-side with Fairfield archaeologists. All equipment and instruction will be provided. Participants should wear close-toed shoes and clothes they don't mind getting dirty. Dr. David Brown, Thane Harpole, and Anna Rhodes, Fairfield Foundation

Friday PM Field Experience (1:00pm – 5:00pm)

FT #4: York River State Park exploration of wetlands and global climate change indicators

A species rich series of wetland types occurs along a salinity gradient at York River State Park. Participants will contrast wetland types, core wetland trees, discuss evidence of sea-level rise and be invited to participate in a year-long Hands-On research collaboration with researchers at Christopher Newport University
Facilitator: Dr. Rob Atkinson, Christopher Newport University

Saturday PM field experience (2:00pm – 4:00pm)

FT #5: The Chesapeake Bay Foundation's Virginia Watershed Environmental Education Program
While paddling freshwater, non-tidal rivers and streams, students and educators examine the

relationship between human activities and water quality in the Chesapeake Bay watershed. Hands-on activities encourage sensitivity and knowledge of local ecosystems, giving relevance and greater understanding to classroom curricula. Our program staff provides opportunities for careful observations, data collection, analysis, and synthesis of information gathered during the field study experience. They encourage participants to explore the complexity of the watershed, and to see themselves as part of the solution. Come experience a mini field experience.

This field experience occurs after the close of the PDI, participants will provide their own transportation.

Cindy Duncan, Chesapeake Bay Foundation