VIMS GK-12
Bringing Marine Science to the Classroom

What is GK-12?

- VIMS GK-12 (Graduate Fellows in K-12 Education) places young marine scientists in local middle & high schools.
- Fellows enrich STEM content with new activities based on the most current science.
- GK-12 improves teaching skills of the VIMS Graduate Fellows.

Learn More!

- VIMS (www.vims.edu)
- VIMS GK-12 (www.vims.edu/education/teaching/gk12/)
- VIMS Public Programs (www.vims.edu/public/)

Benefitting Teachers & Students

Incorporating marine science research into classroom lessons provides a unique opportunity:

- Learning about past and present issues in science
- Discovering more science, locally and globally
- Gaining hands-on experience through activities & labs
- Exposure to “cutting edge” science

York High School’s GK-12 Fellow

Amanda Knobloch

High School: Texas Academy for Leadership in the Sciences & Humanities, Beaumont, TX
College: Rutgers University, New Brunswick, NJ
Major: Marine Chemistry
Graduate School: Virginia Institute of Marine Science, College of William & Mary
My Research: The element carbon has many roles in the marine environment. Carbon can be a food source, it absorbs UV radiation, affects toxin concentrations, and influences chemical processes. Coastal marshes are areas of great carbon exchanges and transformations. My project aims to understand carbon in this ecosystem over different time scales, from days to years. This knowledge will highlight the importance of marshes to the coastal environment, as both sites of carbon interactions and important habitats.

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