

# EVERGREEN HERITAGE CENTER

## ACPS 6th Grade Field Trip: The Phenomenon Called Water

*In the fall of 2023, Allegany County Public School 6th graders visited EHC for a field trip to discover the importance of water on Earth. Students hiked across the property to observe where water occurs naturally and where it is being used by humans. Students also learned how water impacts the weather we experience. They looked at weather tools and used them to take measurements. Then, they learned about the water cycle and made lanyards to help keep track of different locations and states of matter that water can take. Finally, students ended their day by completing a STEM Challenge. They were divided into teams and worked together to design boats that could float and move, while focusing on the importance of water properties.*





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## ACPS 8th Grade Field Trip 2023: Energy it's ALL Around Us

*In the fall of 2023, Allegany County Public School 8th Graders visited EHC for a field trip focused on energy use. Students hiked across the property to observe different energy sources and how they have changed over time. Then, they completed rotations to learn about energy conservation, energy transformation, hydroelectric power, and solar power. Finally, students completed a STEM Challenge to design wind turbines that could successfully lift washers. Teams competed to determine which wind turbine could lift the most washers before time ran out.*

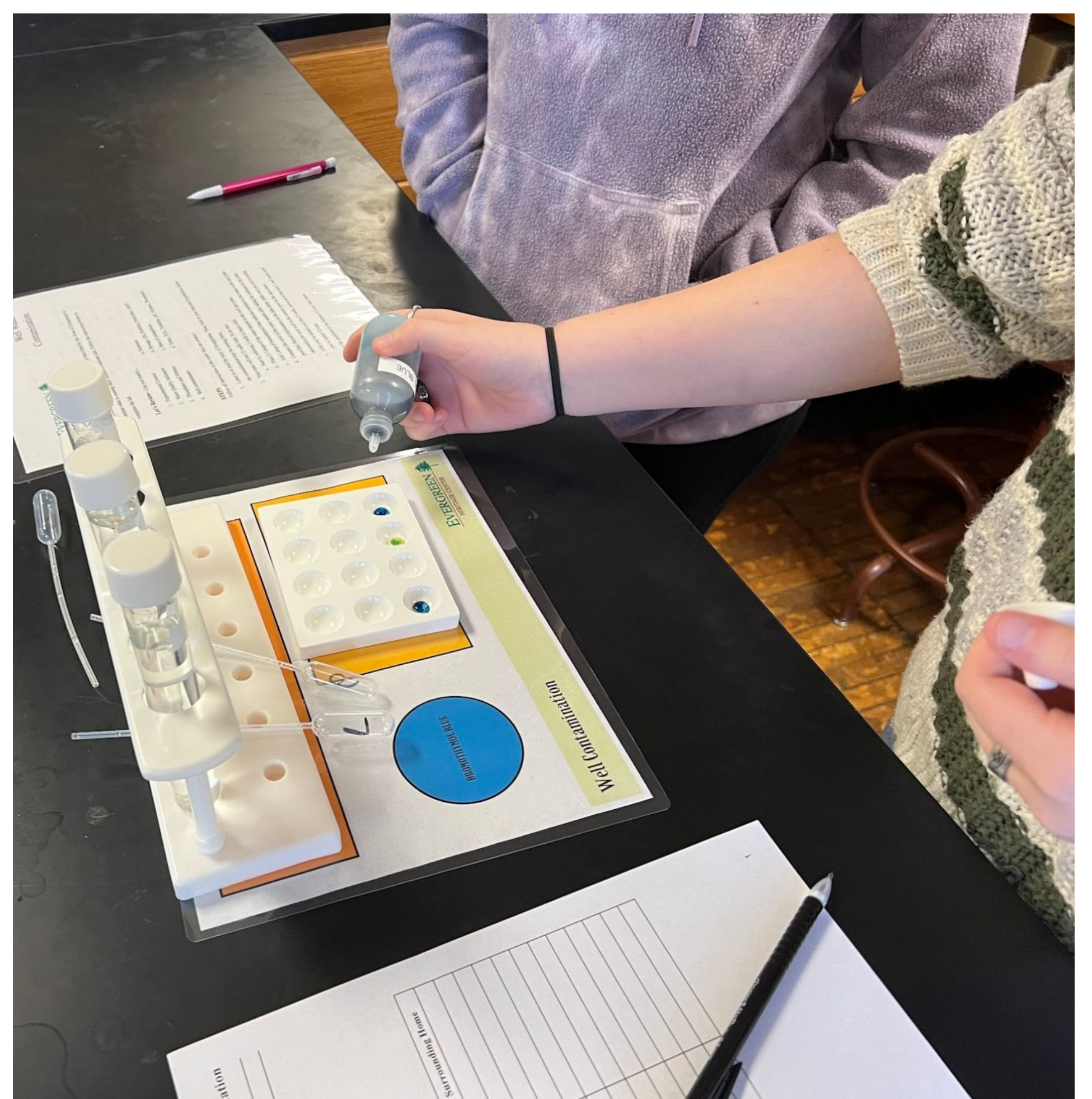
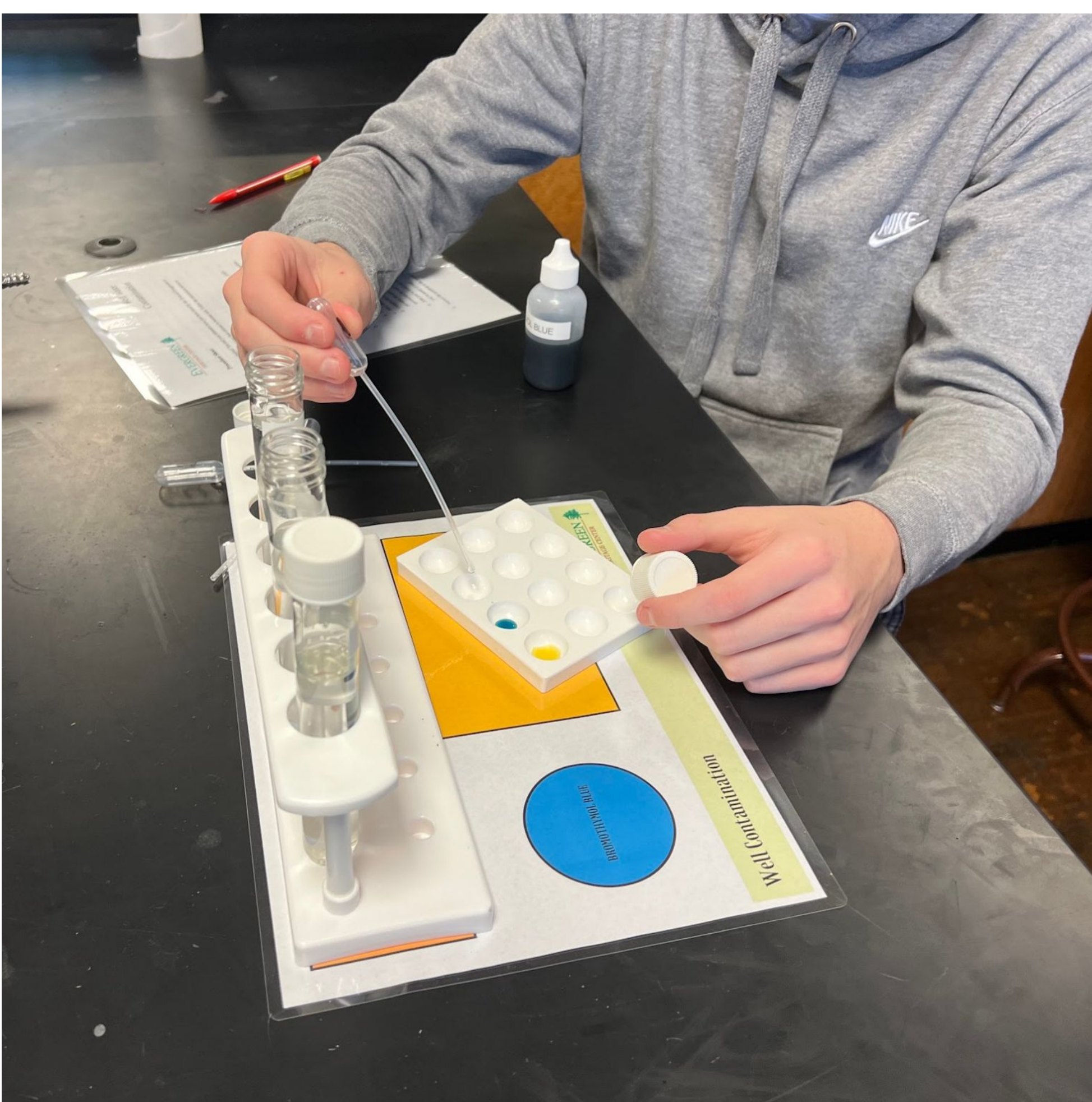
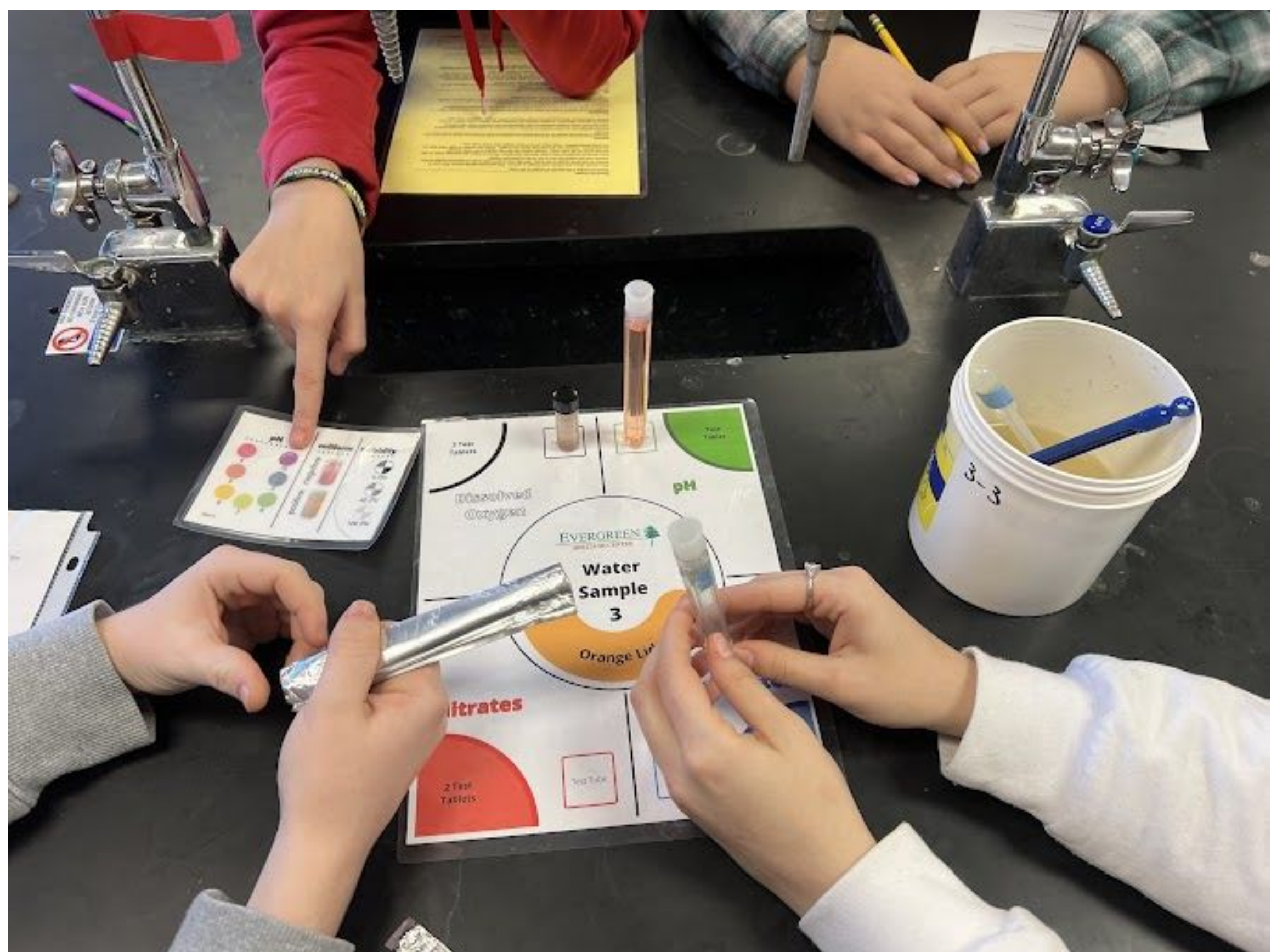
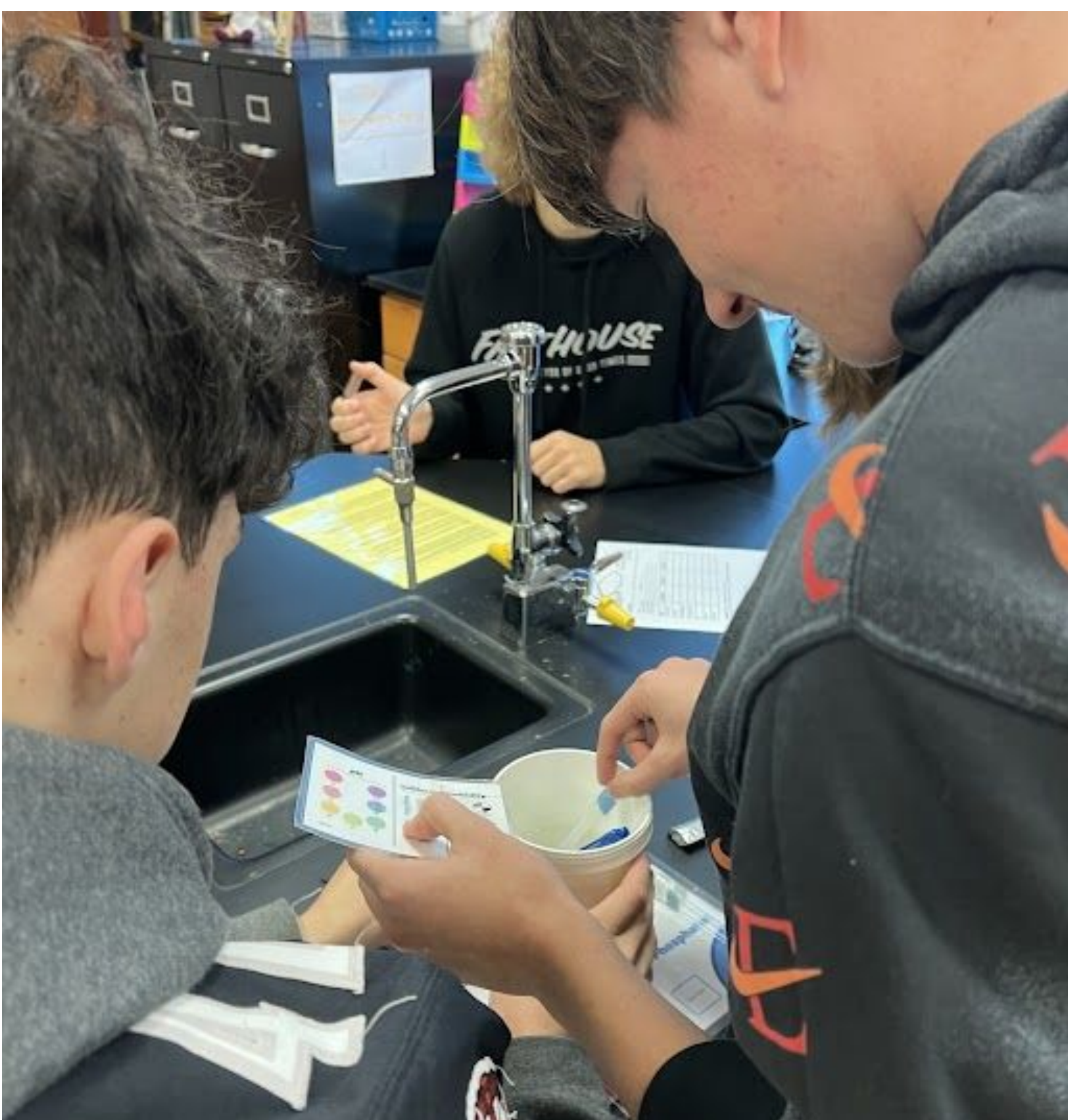




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## ACPS Chemistry/Matter & Energy Classroom Visits

*In the fall of 2023, EHC staff and AmeriCorps members visited ACPS Chemistry and Matter & Energy classes two times to teach lessons pertaining to water quality. Visit 1 focused on water quality testing. Students tested water samples from the Evergreen spring, pond, and mine opening. Students reviewed data from actual water quality tests performed by Maryland Department of the Environment and discussed the impacts of this water quality on day-to-day tasks at Evergreen. Visit 2 focused on water quality of wells, determining points on pollution, and the potential health hazards to humans that are associated with them.*





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## ACPS Earth & Space Science Field Trip

*In spring of 2024, Evergreen was visited by ACPS Earth and Space Science students for a full day field trip. Students learned about various land uses by creating a concept map and hiking the Coal trail to see uses in person. Then, they completed a topographic mapping activity where they answered questions about two different types of topographic maps. In the afternoon, students were split into groups which rotated through three different stations: Soil, Well Water, and Rocks, Minerals, and Mining. At the soil station, students completed various tests to determine the health of our soil. At the well, students took a water sample, evaluated the pH, and created aquifer models. And finally, at the rocks, minerals, and mining station students played a matching game to match rocks and minerals to their descriptions and names, then tested Evergreen spring water to determine the pH and water quality due to the properties coal mining history.*

