

# Jefferson Lab

## Open House Student Tour

### Itinerary



#### DAY 1 - Afternoon Arrival

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Stop at Busch Gardens Williamsburg for entertainment and dinner. While there, participate in their "Launch into Physics" program. Engage your students with the experience of physics in action as Dr. David Wright, Professor of Physics at Tidewater Community College, takes it to a new level. Our "science of thrills" experts will motivate your students by bringing physics to life in the exciting surroundings of the World's Most Beautiful Theme Park. Join us for this high-energy, live physics interactive show on select dates in the spring. Accelerometers are mounted on select rides at Busch Gardens.

#### DAY 2 - Day of Open House

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Participate in an exclusive tour of the Department of Energy's Thomas Jefferson National Accelerator Facility. This free Open House event occurs once every two years. During Jefferson Lab's Open House, the public can gain access to areas of the facility that are off-limits during operations and have one-on-one interactions with the people behind the technologies and research carried out at the Lab. Areas of interest include active research and development centers, cryogenic facilities and the lab's experimental research halls.

Some of the most popular tour stops include portions of the one-of-a-kind Continuous Electron Beam Accelerator Facility, where nearly 1,700 scientists from around the world carry out groundbreaking research to understand the basic building blocks of matter. In addition, hands-on activities and interactive demonstrations for children, including the very popular cryogenics show, are offered.

Then, take a visit to the Virginia Living Museum. Just one visit here brings you in contact with more habitats, wildlife, and plant species than would be encountered in a lifetime of outdoor adventures in Virginia! Participate in one of the Museum's environmental science labs that sparks the excitement of scientific discovery for students in grades 6-12. They are in-depth inquiry-based sessions in which students actively participate in conducting experiments, collecting data and analyzing results. The Wild Café will supply dinner for your group this evening.

#### DAY 3 - Depart By Noon

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Tour The Mariners' Museum and Park/USS Monitor Center. Designated by Congress as "America's National Maritime Museum," here you will discover fascinating stories captured in the priceless artifacts that celebrate the spirit of the open sea. See conservation in action as you tour the Batten Conservation Complex (BCC) and its laboratories. The BCC houses 210 tons of artifacts from USS Monitor, including cannons and the iconic turret. Tour is led by members of the Museum's Conservation staff.