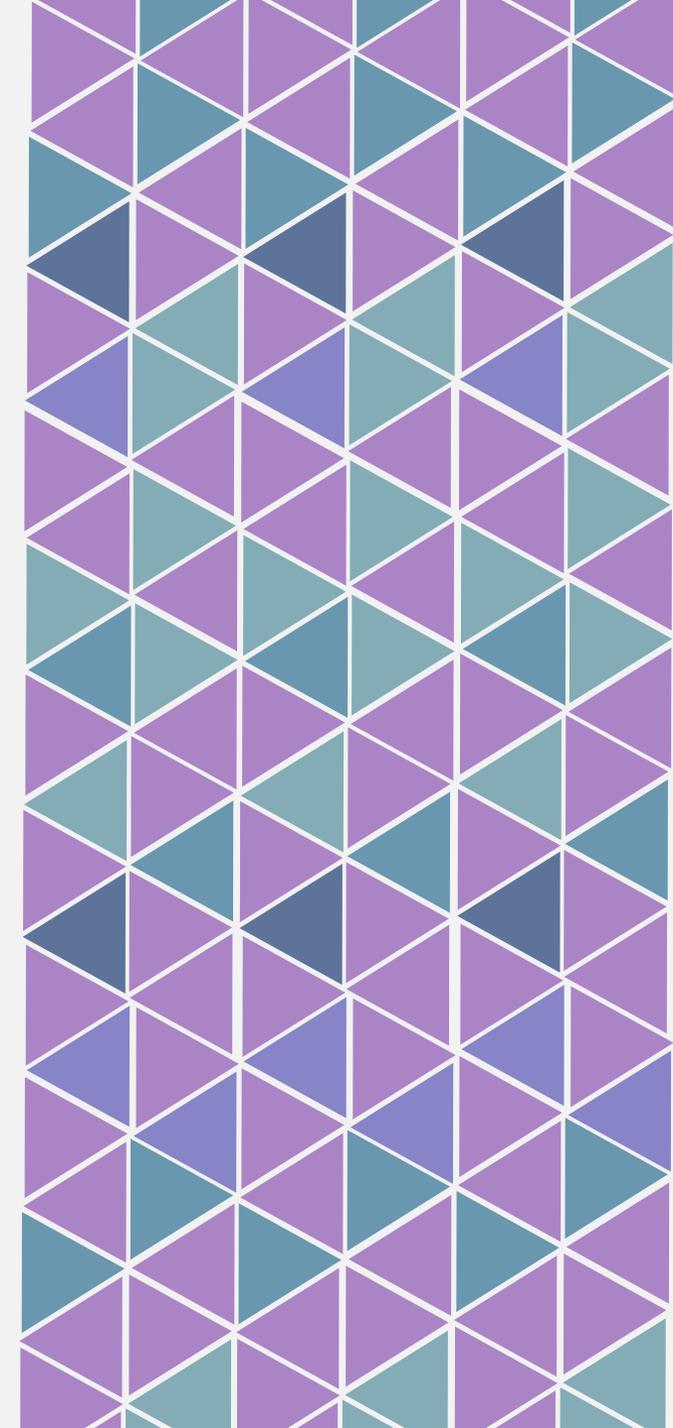


Physics Field Trip

Cedar Point

Sandusky, OH

**A Unique Learning Experience for 11th
& 12th Grade Physics Students**



Trip Details

Date: May 5th, 2025 - this date coincides with the Cedar Point Physics, Science, and Math Week

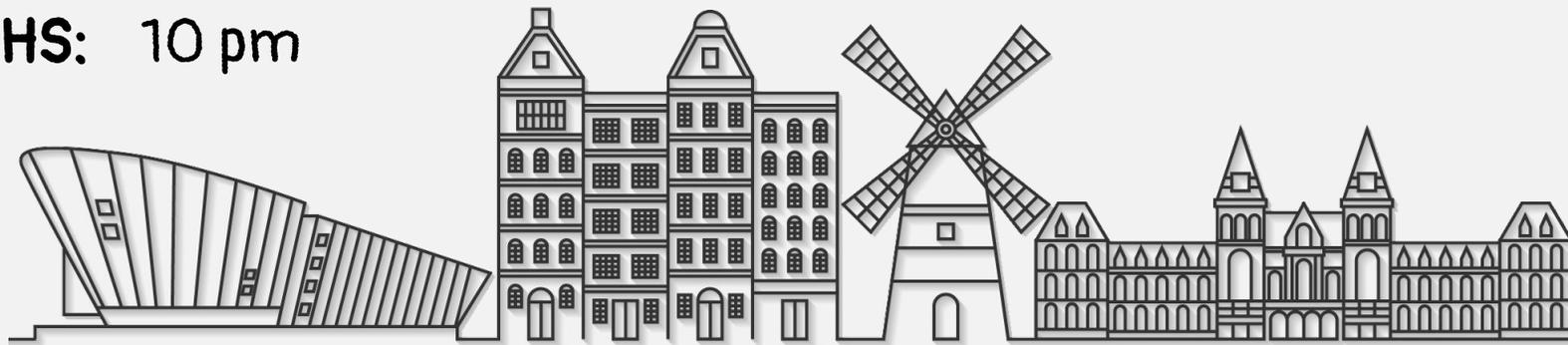
Transportation: Provided by Blue Lakes Charters (three bus bids were explored)

Student to Chaperone Ratio: 15:1 - chaperone tickets are complimentary

Cost: \$110 - Cost of trip sponsored by OHS for any students who could not afford the cost (two parents volunteered to sponsor a second student)

Students Depart OHS: 6 am

Students Return to OHS: 10 pm



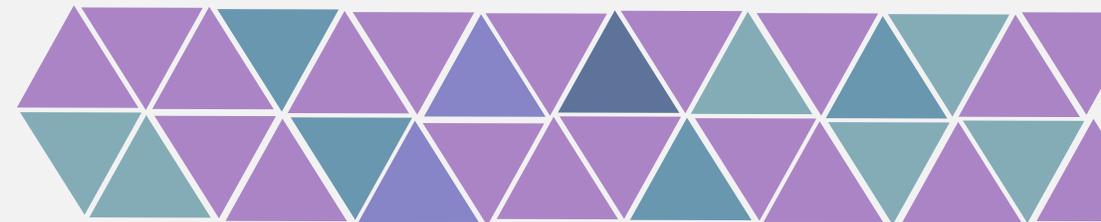
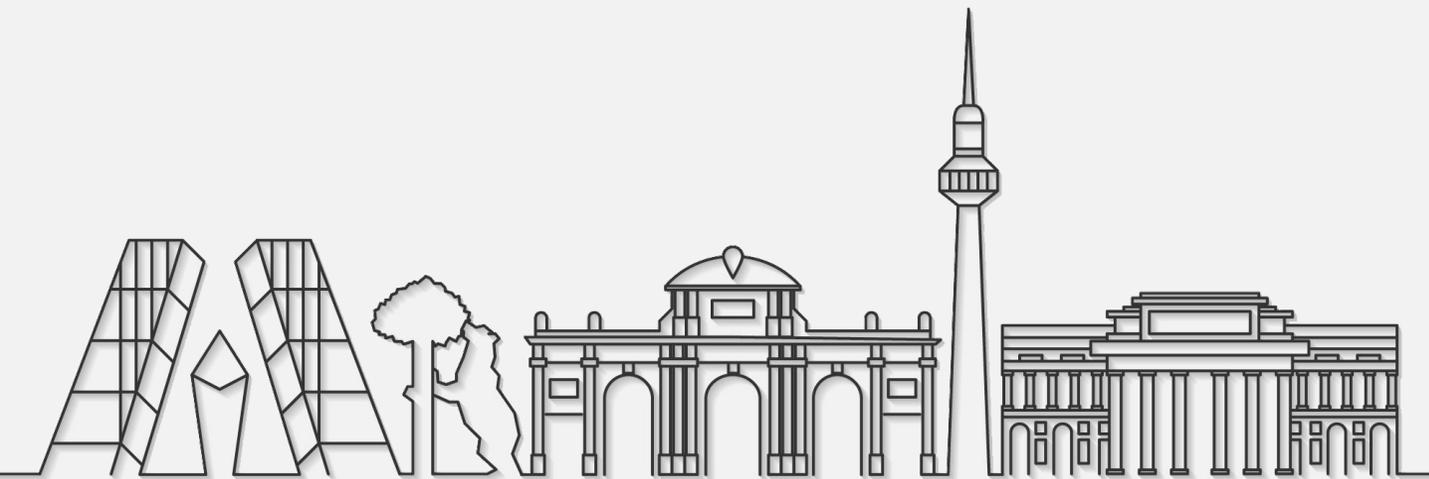
Cedar Point's Physics, Science, and Math Day Offerings

- **Special Programming:** Access to educational materials and live demonstrations.
- **Physics Workbooks:** Custom resources provided by Cedar Point.
- **Exclusive Opportunities:** Q&A sessions with industry professionals.



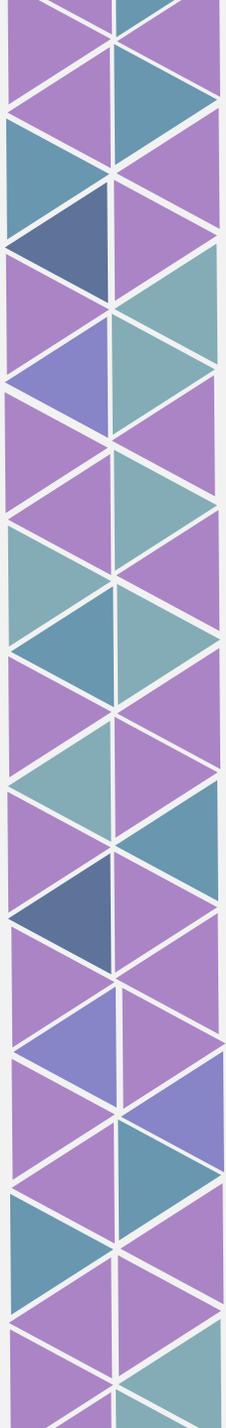
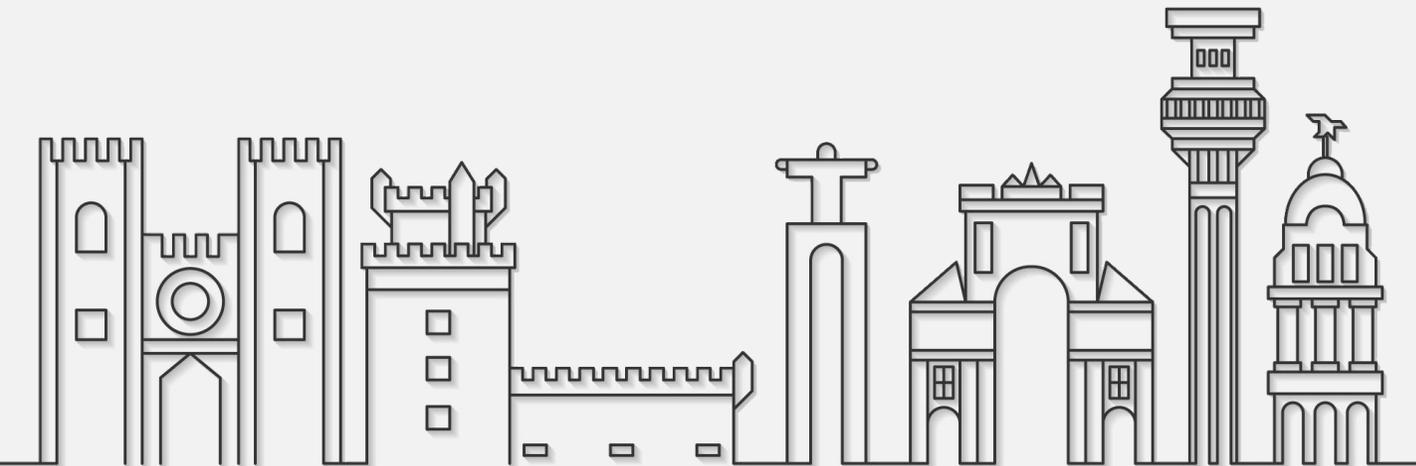
Purpose and Rationale:

- **Provide a Hands-On Learning Experience:** Apply physics concepts in real-world scenarios.
- **Interactive Environment:** Experience physics principles through roller coasters and rides.
- **Engagement & Inspiration:** Spark students' curiosity and passion for science
- **Experiential Learning:** Enhances classroom instruction with practical application.



Physics Concepts to be Addressed

- **Kinematics & Dynamics:** Study velocity, acceleration, and force.
- **Energy Transformations:** Analyze potential and kinetic energy shifts.
- **Centripetal Force & Circular Motion:** Explore the physics of loops and curves
- Concepts will be applied to a summative amusement park project that will be assigned after the completion of the trip.



Questions?

