



# HERSHEYPARK<sup>®</sup>

## STEM/Physics Day - May 17, 2024

Sponsored by



Lebanon Valley College

### Activity 1: Quiz Show Competition hosted by The Whitaker Center

**Location:** Music Box Theatre

**Time:** 1 PM

*Whitaker Center for the Science and the Arts is proud to collaborate with Hersheypark<sup>®</sup> and offer a Physics Day Trivia Event! This event will allow teams of students from every participating school to compete against each other to test their STEM & Physics knowledge. Come prepared to do some math! A formula sheet and calculators will be provided. Cell phones are not permitted on stage.*

**How It Works:** This event is geared towards high school students. Two students from each participating school will compete in the Physics Quiz Show and will be asked a series of three questions, ranging in difficulty. Many questions will be math based; calculators, pens, paper, and formula sheets will be provided.

When the students solve the problem and believes they have the correct answer, they will "buzz" in to earn points for their school. Points will be awarded based on the difficulty of the question. The winning school will get a sweet treat!

Students can cheer on their classmates from the seating area. Space is limited.

Seating is first come, first served.

### [Registration Form](#)

Registration Deadline: May 1, 2024



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## Activity 2: "Wildcat's Revenge: Ground Breaking to Grand Opening"

**Location:** Music Box Theatre

**Time:** 2:30 PM

Did you ever wonder how a roller coaster is built? Hear first-hand from Hersheypark's Director of Engineering the process that goes into installing a world-class roller coaster during this exciting presentation! He'll take you through the twists and turns of how Wildcat's Revenge was designed, built, tested, and ready for opening day! Questions are welcome! The presentation will run approximately 30 minutes.

### [Registration Form](#)

Registration Deadline: May 1, 2024

## Activity 3: Scavenger Hunt

**Starting Location:** Carrousel inside Hershey's Chocolatetown<sup>®</sup> region

**Time:** Self Guided

*Participate in our self guided QR code scavenger hunt to learn more about how force, energy, mass and more bring the thrill to our roller coasters.*

**How it works:** Students will use their phones to scan the first QR Code located at the Carrousel to start their tour of *Hersheypark*. After each question is answered, the students will be provided a hint to the location of the next sign.

Please note, each sign will have a unique 4 digit code that the students will use to gain access to the next question. The questions will need to be answered in the correct order, and once all questions have been answered there will be a confirmation page for the students to screenshot and submit for proof of completion.



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## Activity 4: Front Row Classroom Videos

Prior to your visit to *Hersheypark*, we encourage classes to utilize the interactive Front Row Classroom videos as a learning tool outlining the principles of physics for your students to measure how force, energy, and mass keep our attractions running. During your visit, the students will be able to apply their learnings by riding the attractions. Scan the QR code to view the video playlist.



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