

Energy & Waves Physics Lab 101



REGISTRATION Opens: November 3, 2015

REGISTRATION Closes: December 7, 2015 by 5:00 pm

► **NO late registrations or refunds will be processed after this date. NO EXCEPTIONS**

WHERE:

Disneyland
1313 S. Disneyland Drive
Anaheim, CA 92802

**MISSION:
IS POSSIBLE**



WHEN:

Thursday, January 7, 2016
Program Times: TBD
Program is approx. 2.5 hours

COST:

\$75.00 per person, program + same day Disneyland Park

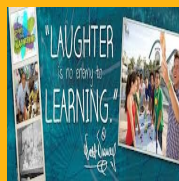
\$110.00 per person, program + same day park hopper

\$75.00 per guest, same day Disneyland Park

\$110.00 per guest, same day park hopper

PARKING:

\$ 17.00 per vehicle
(subject to change)



Special Guidelines: Program participation is limited; first serve basis. No use of membership passes can be used to participate on the program tour.

Program participation: Grades 3rd—6th . **(Strictly enforced)**

Students cannot use instructional funds if not participating on the program.

Due to the structure of the program, chaperon participation will be limited; no more than one adult per family. Additional adult guests purchasing tickets are encouraged to enjoy the park until the program is over .

- ◆ All Students must be accompanied by a registered adult through PayPal.
- ◆ **NOTE:** If you have multiple Homeschool students, each Homeschool student must be registered for all Field Trips using their own designated flex fund account. Any duplicate orders for the same field trip on one student's account will not be allowed.

Field Trip Photography Disclaimer: "Please be advised that photographs will be taken at this event for use on the SCS website, marketing materials, and all other SCS publications. If you do not want you or your child to be photographed please advise the Field Trip Coordinator.

PROGRAM INFORMATION

Discover light and sound as forms of energy and how to use them in practical application. See first-hand how these elements are a vital part of creating world class attractions and how Disney uses these physical properties to entertain and amaze guests from all over the world.

During this interactive field study, students will:

- Define the concepts of a medium, energy and work.
- Explain the phenomenon of binaural hearing.
- Describe and demonstrate a compression wave.
- Articulate and demonstrate how solids, liquids and gases affect sound.
- Illustrate how white light is composed of different colors.
- Discuss how different colors of light are made up of different wavelengths.
- Identify various historical figures and their involvement in specific events in chronological order.
- Apply a hypothesis through observation, experimentation, the recording of data and the drawing of a conclusion.
- Compare and contrast refraction and projection.
- Name the 7 forms of energy and demonstrate the Law of Conservation of Energy.
- Understand energy types, sources, and conversions and their relationship to heat and light



Educational links:

<http://www.disneyyouth.com/our-programs/education/sp/youth-education-series/program/yes-energy-and-waves-physics-lab-101-dlr/#categories-youth-education-series,locations-DLR> Click on Materials



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