

DISNEY Y.E.S. PROGRAM DESCRIPTION



“DISNEY’S WORLD OF PHYSICS: ENERGY AND WAVES”

PHYSICAL SCIENCE

Grade Levels:
3rd-12th

Program Length:
3 hours

Meeting Location:

Magic Kingdom Transportation and Ticket Center bus portico, located on the far right near the Magic Kingdom Group Sales Window.

This program is aligned with National Standards.

OBJECTIVE

Students gain real world understanding of the forces of light, sound and magnetism as well as gain an appreciation for how these forces can be manipulated.

KEY LEARNING HIGHLIGHTS

Waves, waves, waves

Students dive right in and explore energy in light, sound and magnetic waves.

Applications of Sound

Students experience how sound, combined with other special effects, can create a captivating multi-sensory experience.

- Students experiment with tools to demonstrate how sound waves move.

Electromagnetism

Students investigate electromagnetism and its applications in our world.

- Students use different types of magnets to study attraction, repulsion, and electromagnetism.

Light Effects

A peek behind the scenes unlocks the mysteries of *The Haunted Mansion* attraction and reinforces the principles of projection, reflection, ultraviolet light, and other special optical effects.

- Students examine the properties of light through the use of the electromagnetic spectrum, prisms, and scrimms.

THE DISNEY DIFFERENCE

- Students step behind the scenes to see how illusions are created.
- Trained and knowledgeable *Disney Institute* Cast Members facilitate this high quality and educationally sound program, while never forgetting that fun is a vital part of learning.

