

# STEM

**EDUCATIONAL  
FIELD TRIPS!**



## STUDENTS PARTICIPATE IN HANDS ON ACTIVITIES

### **SUPER SOUND ACOUSTICS & RINK DESIGN**

Students will learn how sound waves look and travel through different mediums.

Topics include: Sound Waves, Doppler Effect, Sound System Design  
NC Science Standard PS 2.2

### **SCIENCE OF LIGHTING**

Students will learn about the speed of light and how it travels. They will explore reflection, refraction, and absorption.

Topics include: Electromagnetic Spectrum, Light Waves  
NC Science Standard PS 4.3

### **HEART, HEALTH & FITNESS**

Students learn about basic human biology and how the body works from the inside out. They will focus on heart related anatomy, nutrition, and exercise.

Topics include: Basic Anatomy, Heart Health, Calculating Heart Rate  
NC Science Standard LS 3.1, LS 5.1

### **NEWTON'S LAWS OF MOTION**

Students will learn about Newton's three laws, how they relate to real world experiences and roller skating. They experience how force and mass play a large role in motion.

Topics include: Motion, Inertia, Gravity, Forces  
NC Science Standard PS1.1, PS 3.2, PS 4.1, PS 5.2

**BOOK YOUR SCHOOL TODAY**

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