



## Fernbank Science Center

**Title:** 4<sup>th</sup> Grade Science Stations (4441)  
**Level:** 4th Grade  
**Location:** Outreach

**Type:** Outreach  
**Length:** 55 minutes  
**Limit:** 160

### **Program Description.**

This program will provide students with a chance to review some of the science content standards already taught this year, as well as introduce them to some of the concepts coming later in the year. Students will move through science stations and have an opportunity to interact and investigate 4<sup>th</sup> grade science concepts.

### **Standards**

S4E3c. Investigate how clouds are formed

S4P1a. Identify materials that are transparent, opaque, and translucent.

S4P1b. Investigate the reflection of light using a mirror and a light source.

S4P1c. Identify the physical attributes of a convex lens, a concave lens, and a prism and where each is used.

S4P2a. Investigate how sound is produced.

S4P2b. Recognize the conditions that cause pitch to vary

S4P3(b) Using different size object, observe how force affects speed and motion.

S4P3(c) Explain what happens to the speed or direction of an object when a greater force than the initial one is applied.

S4P3(d) Demonstrate the effect of gravitational force on the motion of an object.

### **Vocabulary**

condensation	rain	vibration	ROYGBIV
clouds	translucent	pitch	concave
fog	transparent	volume	convex
precipitation	opaque	waves	energy

### **Post-Visit Activity**

4477 Activity: This activity addresses GPS S4P3a,b,c,d

**Resources** McGraw-Hill, Science Unit F: Energy, Chapter 12, pp. F52-F61.