

Pre field trip suggestions for  
**They Shouted Push!**

**Grades:** Preschool & Kindergarten

In this Discovery lab students learn about the basics of gravity and engineering through some unconventional building challenges.

**Nevada Academic Content Standards in Science (NGSS): 2-PS1-2**

Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.

**Common Core:** W.K.2.2

Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic.

**Common Core Language Arts:** 1.K.4 I/L

Comprehend vocabulary using pictures, symbols, and environmental print

**During your Discovery Lab students will be expected to:**

- Sit in groups of 4 students per table.
- Students should be prepared to give their full attention to the Lab instructors when given the quiet signal.
- Share some materials with others at their table,
- Follow the hands-on procedures just as the Lab teacher or assistant explains them.
- Rotate from one station to station.

**It is important that teachers and chaperones:**

- Help focus the student's attention.
- Assist students with the hands-on activities and experiments when necessary,
- Engage students at a higher level by asking open-ended questions throughout the class,  
For example: "why did you choose \_\_\_\_\_?"
- Turn off cell phones and other electronic devices during the activity.

**Literary connection:**

To get students excited about the upcoming Discovery Lab we suggest reading experts from the following book with your students: *How Big Is a Foot?* by Rolf Myller. This book teaches students the importance of standard measurement by following the story of a king who wants to create a birthday gift for his queen.

