

### Discovery Lab Description:

Children will build small cities made from small wooden blocks, foam cubes, and packing peanuts, tooth picks and more to observe how different building materials affect the amount of damage during a simulated earthquake. At the end of the activity, the children will collaborate in groups to engineer a building to best withstand a simulated earthquake and enter their design into a competition with other groups.

### During the Discovery Lab students will be expected to:

- Sit in a large group and listen to instructions from the museum educator.
- Stay on task by completing their Guided Exhibit Exploration passport.

### It is important that teachers and chaperones:

- Help focus the students' attention at the various stations.
- 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 \_\_\_\_?

### Literary connection:

To get students excited about the upcoming Discovery lesson we suggest reading the following story with your students:

*COPE Books for Children: Earthquakes* by Martha Keswick, Mariko Jesse and Timothy Sim.

The COPE squad, Candy, Ollie, Ping and Eddy are a team of disaster risk reduction agents travelling all over the world to teach children how to be ready and prepared for natural hazards and disasters. Make the difference, be ready! COPE will teach children how to be ready for Earthquakes – Drop, Cover and Hold!

