

## **Structures and Mechanisms: Grades 1-3**

All of the following workshops fall under the Science and Technology portion of the Ontario School curriculum and are designed to meet both overall and specific expectations as outlined by the ministry.

### **Grades 1 & 2: Everyday Structures**

In this workshop the children will learn about what makes up a structure and experiment to see the differences between strong and weak structures. We will go on a shape scavenger hunt to look for shapes in structures throughout our indoor and outdoor gallery and then build structures of your own.

#### **What you can expect:**

- Hands on building and constructing of different structures.
- Exploration of the different exhibits and galleries inside and outside (please dress appropriately according to the current weather conditions).
- Students will gain a greater understanding of what makes a structure strong or weak and the differences between man made and natural structures.

### **Grade 3: Strength and Stability in Structures: Fall/Spring**

In this workshop students will learn about structures, the shapes that are involved in building structures and how we make structures more stable. We discuss the different types forces that are placed on structures and the differences between how these forces affect their stability. Then we will test our knowledge by creating some super structures.

#### **What you can expect:**

- Hands on building and constructing of different structures (both mini and macro structures).
- Stability and strength testing of their structures.
- Structure building outside (weather permitting) so please dress appropriately according to the current weather conditions.