

## Activity Instructions

### Growing Dominoes

The following items will be needed for this activity:

- set of dominoes (see *Prep Instructions*)

### Step 1

Place the tallest domino upright as shown in **figure 1**. Make sure that there is enough space behind it for the domino to fall without hitting people or objects.



Figure 1



Figure 2

### Step 2

To figure out the proper placement of the next smallest domino, figure out the width of the domino. Make note of this distance and place the smaller domino at a distance equal to its own width from the larger domino.

### Step 3

Repeat Step 2 until all the dominoes are set up in descending height order, as in **figure 2**. It may help to use tweezers to set up the last couple dominoes, given their small size.

### Step 4

Using a feather or a toothpick, gently push the smallest domino in the direction of the reaction. Stand back as the entire chain collapses.

## Climbing Dominoes

The following items will be needed for this activity:

- cereal boxes

### Step 1

Place a cereal box at the base of the landing. The cereal box should be set up at a distance equal to half its own width away from the first step.

### Step 2

Place two cereal boxes on each step making sure that they are aligned with the box on the landing. The first box should be placed at the edge of the step, and the second box should be midway between the edge of the step and its back (**Figure 3**).

### Step 3

Knock over the cereal box at the bottom of the stairs so that it collides with the one on the step above it. The dominoes will proceed to knock each other up the stairs.



Figure 3