

NAMES \_\_\_\_\_

# Arch Beam Experiment

DATE \_\_\_\_\_

Today you will build an arch and load 1 gram cubes onto it until it collapses. You will record the span, the height of the arch, and how much weight it held. You will add thickness to the arch by adding layers. You will work in pairs. Graph the results

	Span Distance cm	Weight Held in grams	height of arch above desk cm	Thickness of arch cm
1				
2				
	AVG >			
1				
2				
	AVG >			
1				
2				
	AVG >			

## Strength vs Thickness of a Simple Arch

