

DEARBORN HISTORICAL MUSEUM

# STEM SATURDAY

## BUILD-A-BRIDGE CHALLENGE

2ND THRU 5TH GRADE

### CHALLENGE

Design a bridge using items from the materials list that can hold 100 pennies for a minimum of thirty seconds!



### MATERIALS

Tape  
Scissors  
Note Cards  
Popsicle Sticks  
Paper Cups  
Straws  
String  
100 Pennies



### CRITICAL THINKING QUESTIONS

Is our bridge strong enough to hold the weight of 100 pennies?

What can we use to add support to the bridge?

What can we observe when looking at our bridge?

What type of bridge does ours look like the most?