



Ice-cream stick bridge

Materials

- ice cream sticks
- masking tape
- wood glue/PVA
- matchbox cars
- set of weights, heavy books

Instructions

The goal of this activity is to create a bridge out of ice cream sticks. The design must be solid enough to be able to hold a toy car or small weight without falling apart or dropping the object.

To make this more challenging you can limit the amount of sticks and tape each group can use to build their bridge.

To test the bridges, place them over a gap (two stacks of books or desks) and add the weighted object, either on top of the bridge or threaded through it.

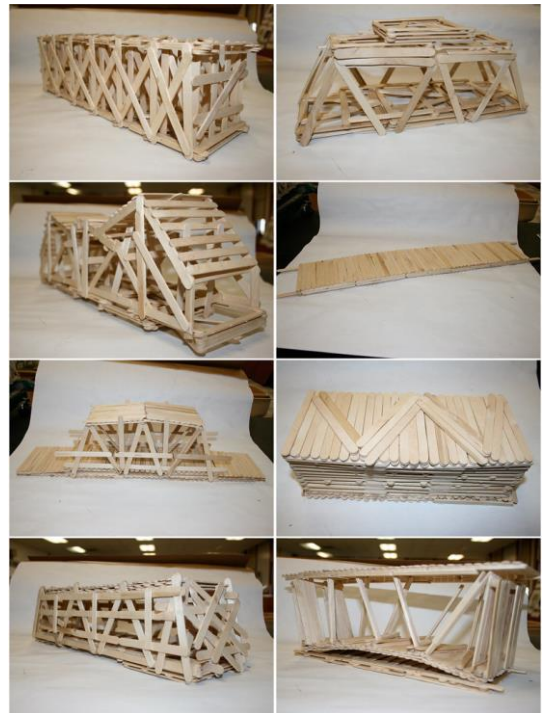


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Extended challenge

Test all the bridges that passed the first weight test and determine which bridge design can hold the most weight without collapsing.



Remember to take pictures of the bridges. They may collapse under the weight and be destroyed!