

# PAPER BRIDGES

## STEM Discovery Toolkit

Discover why triangles are the strongest shape and design and construct your own bridges with just paper, tape and your own ingenuity! Watch out for paper cuts!

### Lessons Included:

- Accordion Fold Bridges
- Rolled Paper Beams
- High Bridge

### Life Skills Objectives:

Youth will gain critical thinking and problem solving skills by engaging in hands-on experiential learning experiences.

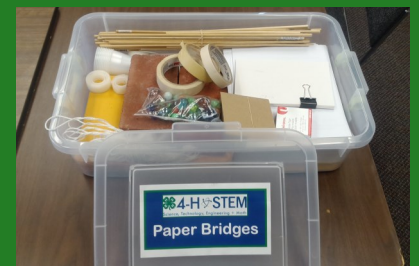
### Learning Science Through Inquiry:

Students will learn about compression and tension: the two forces that act upon a bridge, construct piers and pillars to support the towers of a bridge, as well as engineer various types of bridges to withstand specific weight loads.

To request a STEM Discovery Toolkit fill out the [Check Out Request Form](#)

### What's Inside?

- ⇒ Paper
- ⇒ Tape
- ⇒ Wooden Dowels
- ⇒ Additional Supplies



For more information about STEM opportunities from UW-Extension, or to request a STEM Discovery Toolkit, contact Annie Lisowski, 4-H & Youth Development Educator, 608-685-6256 or email [annie.lisowski@wisc.edu](mailto:annie.lisowski@wisc.edu)



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