



The Great Dinkytown Bridge Challenge: An At-Home STEM Activity

Are you ready to take on the challenge of designing and building the greatest bridge Dinkytown has ever seen?

In [this video](#), your bridge mentor Logan Carstensen will help guide you through an at-home bridge building activity. Follow along with the video, and complete the tasks to design, build, and assess a model bridge that meets real-world regulations. And don't be nervous — real-life bridge engineers Brandon Day (from MnDOT) and Jim Archer (from Bolton & Menk) also will be there to help you along the way!

You can share your results by emailing your photo to ctsedu@umn.edu.

Supplies you will need:

- Paper and pencil
- Use what you already have at home for bridge materials:
 - Legos
 - Cardboard, glue, scissors
 - Popsicle sticks, glue
 - Toothpicks, glue
 - Spaghetti, glue, rubber bands
 - Cans, blocks, bricks, weights