



What is Bridge UP!?

Bridge UP! Is a free STEM curriculum for teachers, students or anyone interested in science and math. It provides classroom resources using bridge design and construction principles as the foundation for learning.

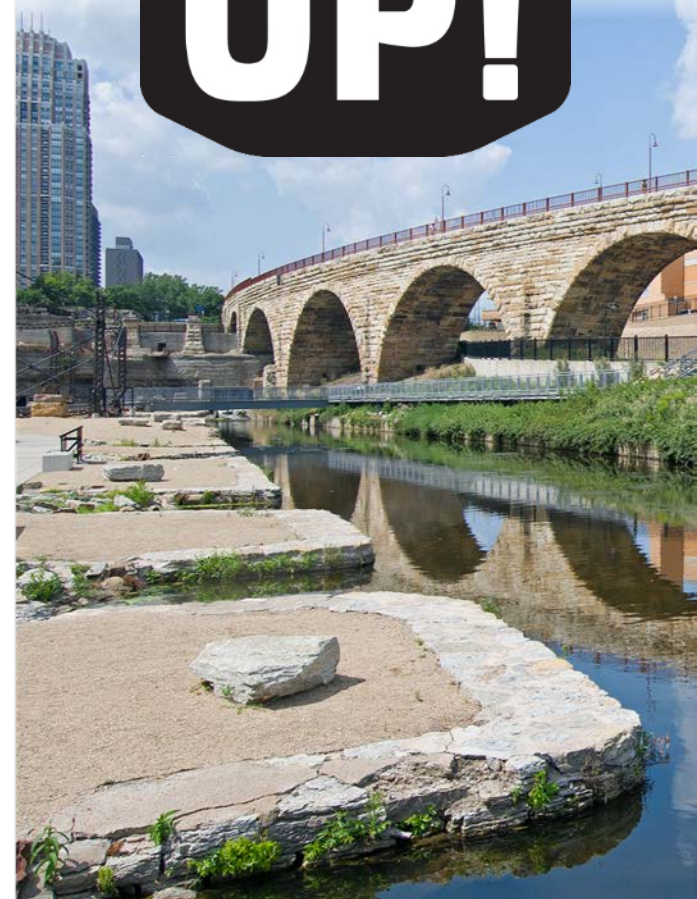
- iBook for grades K-3
- Web modules for grades 4-8
- Lesson Plans (pdf format) – Bridge UP! curriculum for grades K-12

Bridge UP! meets current Minnesota and Wisconsin education standards and benchmarks and is easy to use and customizable. It was written BY teachers, FOR teachers.



www.mndot.gov/stem

All materials are available to download for free.



A *free* STEM curriculum for teachers, students or *anyone* interested in science and math.

m DEPARTMENT OF
TRANSPORTATION



“*Bridge UP!* helps students become actively *involved* in bridge construction processes that *impact* and *change* communities.”

- Doug Petty Stillwater Area High School science teacher

Who is Bridge UP! for and when should I use it?

You can use Bridge UP! within your regular science curriculum, with no additional training. Other uses include:

- Some modules and lessons are great for substitute lesson plans.
- Excellent materials for after school programs and other extracurricular programs looking for fun STEM activities.

Why is Bridge UP! right for me?

Bridge UP! is FREE and a great way to connect kids to real life engineering that is all around us. Everyone travels over, around and near bridges.

MnDOT offers other resources such as field trips, speakers, mentors, fair and expo booths. Contact us!

Why is this important to MnDOT?

It is important to recruit and retain a diverse and talented workforce that reflects the make-up of Minnesota.

- 8% growth is expected in the Twin Cities STEM sector between 2014 and 2024, outpacing both overall job growth and the current talent pool entering STEM careers (Source: mncompass.org)
- Diversity in STEM related careers hasn't changed much in the last 20 years.

Need more info?

Marcia Lochner - Education and Outreach Coordinator

Email: stemoutreach.dot@state.mn.us

Phone: 651-366-3097