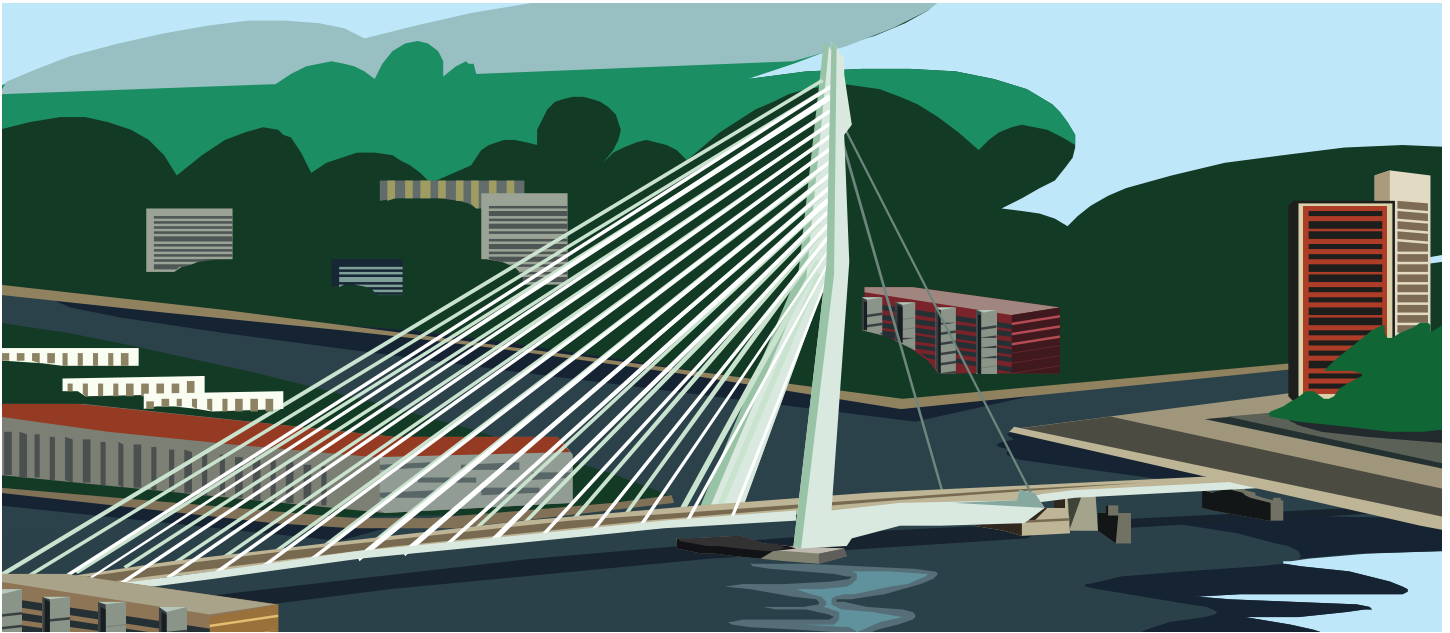


BRIDGE DESIGN

A Workshop for Middle School Students



Thursday, October 8, 2009

3:30 – 5:45 pm

Christian Brothers University

Nolan Engineering Center, Room 241

There are approximately 600,000 bridges in the United States, and we rely on them every day to travel over rivers, valleys, highways, and railroads. But do you know how a bridge supports its load? Did you know that over 75,000 of the bridges in the U.S. are structurally deficient? Structural Engineers must consider many things, like the distance to be spanned and the types of materials to use in building the bridge, before determining the size, shape, and overall look of a bridge.

Christian Brothers University invites all sixth, seventh, and eighth grade students to attend the workshop and:

- Learn how a bridge can withstand the forces of nature and traffic**
- Learn major types of bridges**
- Learn about the forces acting on a bridge**
- Learn how long a bridge can be**
- Learn how a bridge could make you seasick**

You will also get a chance to design, build, and test a bridge to failure.

To register online: Visit <https://forms.cbu.edu/engineering/bridgeworkshop>

For more information: Contact engineering@cbu.edu or (901) 321-3405

Hosted by:



Christian Brothers University
SCHOOL OF ENGINEERING