

Technology Resources for Building Bridges



Brain Pop

<http://www.brainpop.com/technology/scienceandindustry/bridges>

This child friendly video shows how bridges are put together, the distances they can span, and the physical principles behind them. It explains the differences between the three main types of bridges--beam bridges, arch bridges, and suspension bridges.

West Point Bridge Designer Software

<http://bridgecontest.usma.edu/index.htm>

This site contains a free download of West Point's bridge designer software. Your students may also enter a bridge design contest.

Building Bridges Video Clip

<http://www.newtonsapple.tv/video.php?id=1286>

This video explains why engineers choose one type of bridge over another, depending on the situation.

NOVA- Super Bridge

<http://www.pbs.org/wgbh/nova/bridge/>

The NOVA program chronicles the building of the state-of-the-art Clark Bridge over the Mississippi River. On this Web site, you can test your engineering skills by trying to match the right bridge to the right location.

Matsuo Basic Bridge Types

<http://www.matsuo-bridge.co.jp/english/bridges/index.shtm>

Learn about basic bridge types on this site.