

Additional Resources

BOOKS

Grade and grade equivalents from Scholastic Books

Bridges by Seymour Simon.

Bridge Building: Bridge Designs and How They Work (High Five Reading) by Diana Briscoe.

Bridges: Amazing Structures to Design, Build & Test by Carol A. Johmann
(nonfiction; grades 2 - 9; grade equivalent - not available).

Bridges are to Cross by Philemon Sturges and Giles Laroche.

Bridges: The Science and Art of the World's Most Inspiring Structures by David Blockley.

Bridges and Tunnels: Investigate Feats of Engineering by Donna Latham.

Bridging the World by Robert S. Cortright.

Brooklyn Bridge by Lynn Curlee (Informational; grade 3 - 5; grade level equivalent 7.5).

Brooklyn Bridge by Elaine Pascoe and Elaine Pacoe (Nonfiction; grades 6-8; grade equivalent 7.5).

The Brooklyn Bridge: The story of the world's most famous bridge and the remarkable family that built it.
By Elizabeth Mann (nonfiction; grades 3-5; grade equivalent 5.5).

Building Big: Bridges by David Macaulay.

Building the Golden Gate Bridge (You Choose: Engineering Marvels) by Blake Hoena and Angie Kaelberer.

Building Toothpick Bridges (Math Projects: grades 5-8) by Dale Seymour Publications.

Engineering the ABCs: How Engineers Shape Our World by Patty O'Brien Novak.

Engineering the City: How Infrastructure Works by Matthys Levy.

Famous Bridges of the World: Measuring Length, Weight, and Volume (Powermath) by Yolonda Maxwell.

The Golden Gate Bridge by Jeffrey Zuehlke.

The Great Bridge: The Epic Story of the Building of the Brooklyn Bridge by David McCullough.

How to Read Bridges: A Crash Course In Engineering and Architecture by Edward Denison and Ian Stewart.

BOOKS (continued)

Mackinac Bridge: The Story of the Fie Mile Poem by Gloria Whelan and Gijsbert van Frankenhuyzen.

Twenty-One Elephants and Still Standing by April Jones Prince.

Pop's Bridge by Eve Bunting (Historical fiction; grades K-2; grade equivalent 3.4).

The World's Most Amazing Bridges by Michael Hurley.

You Wouldn't Want to Work on the Brooklyn Bridge by Tom Ratliff.

VIDEO

Brooklyn Bridge; Ken Burns America Collection, Ken Burns.

ONLINE VIDEOS

Bridge Building Video – National Geography video, shows arch, suspension and Cable Stay Bridge.

<http://www.sciencekids.co.nz/videos/engineering/bridgebuilding.html>

Official San Francisco-Oakland Bay Bridge Construction Time Lapse – shows the construction of the bridge in a 4 minute video.

INTERNET

Building Big: Bridges (information and interactives).

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

How Bridges Work by Robert Lamb and Michael Morrissey (Information).

<http://science.howstuffworks.com/engineering/civil/bridge.htm>

Everyday Science: Bridge Quiz (interactive).

<http://science.howstuffworks.com/engineering/structural/bridge-quiz.htm>

How Floating Bridges Work by Nathan Chandler (Information).

<http://science.howstuffworks.com/engineering/structural/floating-bridge2.htm>

Floating Bridges on the Brain: The Ultimate Floating Bridge Quiz (interactive).

<http://science.howstuffworks.com/engineering/structural/floating-bridge-quiz.htm>

FREE APPS

Bridge Constructor – construct bridges within a given budget.

Bridge Constructor Playground – similar to Bridge Constructor without budget constraints.

Fat Birds Build a Bridge! – build bridges to help overweight birds get home.