

# SCIENCE 4 ME



## Construction

Explore your world with this Science-4-Me adventure!



Computer fun! Visit: Mr. Roger's Neighborhood <http://pbskids.org/rogers/buildANeighborhood.html>  
Have fun creating your own neighborhoods of make-believe.

### Picture Books:

leggy Peck Architect, Andrea Beaty  
Builder Mouse, Sofia Eldarova  
Rex Wrecks It, Ben Clanton  
Busy Builders, Busy Week, Jean Reidy  
Blocks, Irene Dickson  
Dreaming Up, Christy Hale  
Let's Build, Sue Fliess

### Early Readers

Oliver Pig and the Best Fort Ever, Jean van Leeuwen  
Dig, Scoop, Ka-boom, Joan Holub  
Around Town, ER Lego  
Construction Workers, Cari Meister, ER 690.092 MEI  
Homes Around the World, Max Moore, ER 728.MOR  
Mega Machines, Deborah Lock, ER 681.761 LOC  
Earthmovers and Diggers, Mary Kate Doman, ER 621.865DOM

### In-Depth

Skyscrapers,; a history of the world's most extraordinary buildings, Judith Dupre, Oversize, J 720.483 DUP  
Architecture According to Pigeons, Speck Lee Tailfeather J 720 TAI

### Non-fiction

Freaky Strange Buildings, Michael Sandler, J 720 GOL  
The Big book of Construction Machines, Heather Alexander, J 629.225 ALE

## LOCAL CONNECTION

### Hoover Dam

<http://www.usbr.gov/lc/hooverdam/>

Located 30 miles southeast of Las Vegas on the Nevada-Arizona border, the Dam is a National Historic Landmark and has been rated by the American Society of Civil Engineers as one of America's Seven Modern Civil Engineering Wonders.

#### Gibson Library

100 W Lake Mead Pkwy, 89015  
(702) 565-8402

#### Green Valley Library

2797 N Green Valley Pkwy, 89014  
(702) 207-4260

#### Paseo Verde Library

280 S Green Valley Pkwy, 89012  
(702) 492-7252

Lets Build something

# ACTIVITY!

If you've ever watched children at play, you know they're fascinated with building things—and with taking things apart to see how they work. In other words, children are natural-born engineers.

## What you need:

Blocks, or other building toys; pictures of building and houses

## Try these activities:

Use blocks to further thinking skills by having your child do the following activities/investigations:

Using pictures of buildings and houses, help your child figure out how to make a structure similar to the one in the picture. For added fun, find objects around the house that can be used—scarf for a roof, paper towel rolls for pillars, etc.

How tall can you make a building before it falls over? Have measuring device handy or an object whose height can be the goal. When the blocks fall over, ask if there is another way to build it that might help it be more sturdy.

Have your child sort the blocks into categories: color, shapes, size. Use the proper name for shapes—square, rectangle, cylinder, etc.

Build a simple structure with the blocks and have your child duplicate it; then have your child build a structure and you duplicate it.



Electronic Resources  
(download from [www.hendersonlibraries.com](http://www.hendersonlibraries.com))

C is for Construction  
Goodnight, Goodnight, Construction Site  
Minecraft, top 35 Minecraft mods you should know.  
Bubble Guppies, The Best Dog House Ever

*What's the connection between science and writing? Scientists are chronic writers! They write down hunches, observations, and they sketch whatever they are studying. Writing and sketching are important tools real scientists use to help themselves think.*

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If there is a construction site near you, watch what is happening. Return at a later date. Ask your child if anything is different. Draw pictures of how the building or construction site changes as time goes on.

What machines do you see?

What are the workers doing?