

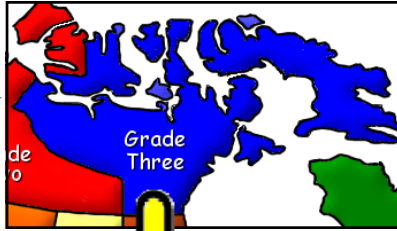
Student Link

Lesson Activity for Grade 3
(*Science*: Building With Materials)

Student Name: _____

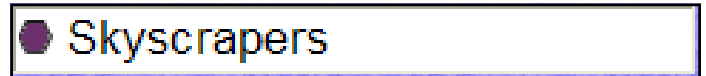
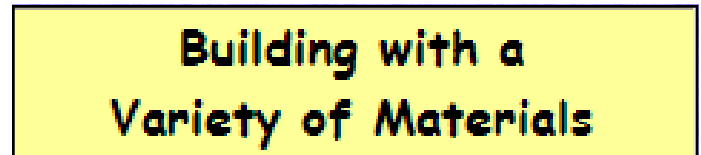
1.

Start Here!

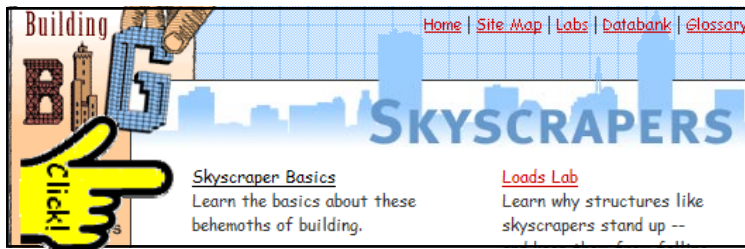


Have you ever wondered how big office towers are built?
Why are they so tall?
Let's explore the history behind sky scrapers!

2.



3.



Before you read the history, why do you think big buildings are called "Skyscrapers"?

4. See if you can find the answers to the questions below in the article...

1. What came before skyscrapers?

2. What kind of building material made skyscrapers possible?

3. What force of nature is the skyscraper's biggest enemy?

4. What is the name of the largest skyscraper?



Student Name: _____

5.



Now, let's try the Skyscraper challenge! Go back to the main page, then click on...

The Skyscraper Challenge
Struggling skyscrapers are your specialty. Here's three that need fixing ... fast!

Wonders of the World Databank
How long does it take to wash an 88-

and keep them from falling down -- in this hands-on workshop.

Who Builds Big?
Meet Susan Knack and Diana Nishi, two engineers who make skyscrapers soar!

6.

Let's try **Fire in Chicago** first.
Click on **Location 1**:



Location 1:
Fire in Chicago

Location 2:
Sinking Cathedral in New York

Location 3:
Potential Building Collapse in Los Angeles

7.

Why did the old building burn down?

Why is steel reinforced concrete the best building material? Why not stone?

Why is Chicago a difficult place to build skyscrapers?

Why do you think triangles are used in construction today?

8.

Click on the back button until you get to the skyscraper challenge again. Try the other scenarios out and see how you do!

