



The Mystery of the

MISSING DINOSAURS

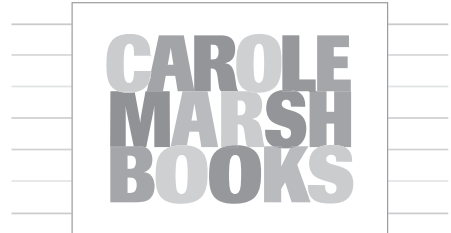
Teacher's Guide

by

Carole Marsh



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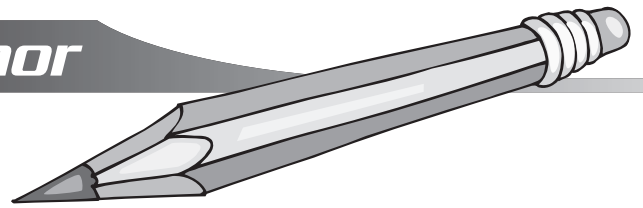
Published by Gallopade International/Carole Marsh Books.
Printed in the United States of America.



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|-----------------------------------------------------------|----------------------------------------------------------|
| #1 THE MYSTERY OF BILTMORE HOUSE | #25 THE WILD WATER MYSTERY OF NIAGARA FALLS |
| #2 THE MYSTERY ON THE FREEDOM TRAIL | #26 THE COLONIAL CAPER MYSTERY AT WILLIAMSBURG |
| #3 THE MYSTERY OF BLACKBEARD THE PIRATE | #27 THE MISSION POSSIBLE MYSTERY AT SPACE CENTER HOUSTON |
| #4 THE MYSTERY OF THE ALAMO GHOST | #28 THE MADCAP MYSTERY OF THE MISSING LIBERTY BELL |
| #5 THE MYSTERY ON THE CALIFORNIA MISSION TRAIL | #29 THE MYSTERY AT FORT SUMTER |
| #6 THE MYSTERY OF THE MISSING DINOSAURS | #30 THE MYSTERY ON THE GREAT LAKES |
| #7 THE WHITE HOUSE CHRISTMAS MYSTERY | #31 THE MYSTERY IN HAWAII |
| #8 THE MYSTERY ON THE IDITAROD TRAIL | #32 THE MYSTERY AT MOUNT VERNON |
| #9 THE MYSTERY AT KILL DEVIL HILLS | #33 THE MYSTERY ON THE OREGON TRAIL |
| #10 THE MYSTERY IN NEW YORK CITY | #34 THE MYSTERY AT YELLOWSTONE NATIONAL PARK |
| #11 THE MYSTERY AT DISNEY WORLD | #35 THE MYSTERY OF CAPE COD |
| #12 THE MYSTERY ON THE UNDERGROUND RAILROAD | #36 THE MYSTERY OF THE LOST COLONY |
| #13 THE MYSTERY IN THE ROCKY MOUNTAINS | #37 THE MYSTERY AT DEATH VALLEY |
| #14 THE MYSTERY ON THE MIGHTY MISSISSIPPI | #38 THE MYSTERY IN THE SMOKY MOUNTAINS |
| #15 THE MYSTERY AT THE KENTUCKY DERBY | #39 THE MYSTERY AT MOUNT RUSHMORE |
| #16 THE GHOST OF THE GRAND CANYON | #40 THE MYSTERY AT DEVILS TOWER |
| #17 THE MYSTERY AT JAMESTOWN | #41 THE MYSTERY AT HOLLYWOOD |
| #18 THE MYSTERY IN CHOCOLATE TOWN...HERSHEY, PENNSYLVANIA | #42 THE MYSTERY IN THE TWIN CITIES |
| #19 THE GOSHAWFUL GOLD RUSH MYSTERY | #43 THE MYSTERY AT MOTOWN |
| #20 THE COUNTERFEIT CONSTITUTION MYSTERY | #44 THE MYSTERY AT AREA 51 |
| #21 THE MYSTERY OF THE HAUNTED GHOST TOWN | #45 THE AWESOME ATLANTA MYSTERY |
| #22 THE MYSTERY IN LAS VEGAS | #46 THE BAFFLING BASEBALL MYSTERY |
| #23 THE MYSTERY OF THE GRAVEYARD OF THE ATLANTIC | #47 THE GREAT TRAIN MYSTERY |
| #24 THE GHOST OF THE GOLDEN GATE BRIDGE | #48 THE MYSTERY OF MIMI'S HAUNTED BOOK SHOP |



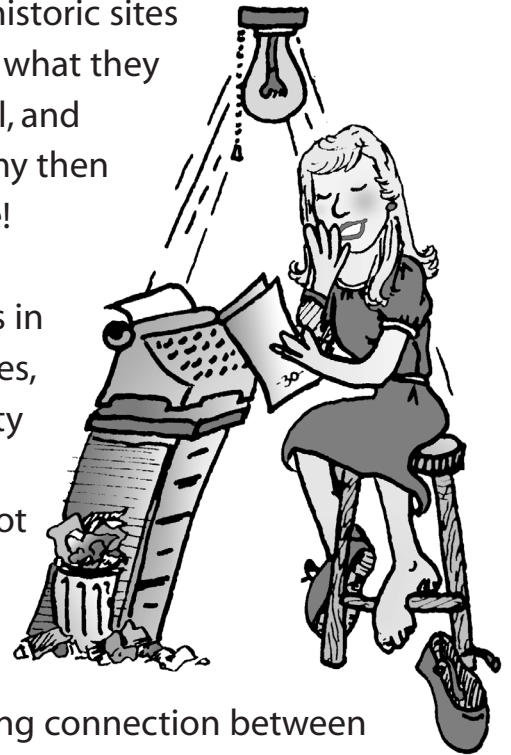
A Word from the Author



Dear Teachers,

In 1979, I began writing children's mysteries set at historic sites that still existed—primarily so that kids could go and see what they had read about. Frankly, I found no more fun, educational, and stress-free (actually, just plain joyful!) activity to do with my then school-age children than to visit a fascinating historic site!

People say that Chicago is one of the greatest cities in America. Everyone should visit this place at least once! Yes, there are a lot of tourist attractions in Chicago, but this city also one gigantic history lesson. I tried to introduce the who, what, when, where, why, and how for every place. Not only has it been surprising to me how fascinated the kids are in real life, but it is amazing to also witness the depth of their interest. The first set of these magical experiences eventually transcended into a lifelong ongoing connection between me and my children.



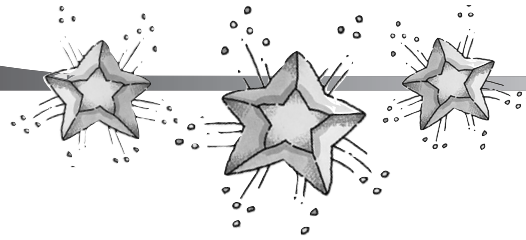
We learned a lot, but what we learned best is that kids and adults can learn together. Reading and going and seeing and doing is what education is all about, and most especially, that “adopting” a subject or place leads to a lifelong interest in an era, a place, the people, and all the fascinating facts that made up their lives. We learned that history is still “living” and is not lost on kids! In fact, it is quite a revelation!

Enjoy your Chicago dinosaurs mystery and studies,

Carole Marsh



Table of Contents



Chapter Guide: #1-2	7
Chapter Guide: #3-5	8
Chapter Guide: #5-6	9
Chapter Guide: #6-7	10
Chapter Guide: #8-10	11
Chapter Guide: #10-13	12
Chapter Guide: #13-17	13
Chapter Guide: #17-21	14
Chapter Guide: #21-22	15
Discussion Questions	16
Find It!	17
Calculate It!	18
Write It!	19
Spell It!	20
Create It!	21
Cook It!	22
Reproducible Dino Maze	23
Reproducible Pair Up	24
Reproducible Dinosaur Dip	25
Reproducible Clue Scramble	26
Reproducible Word Search	27
Reproducible Fill-in-the-Blank Crossword	28
Reproducible Matching Characters	29
Reproducible Quiz	30
Reproducible True or False	31
Answer Key	32





The Mystery of the
**MISSING
DINOSAURS**

30 YEARS
AGO . . .

As a mother and an author, one of the fondest periods of my life was when I decided to write mystery books for children. At this time (1979) kids were pretty much glued to the TV, something parents and teachers complained about the way they do about video games today.

I decided to set each mystery in a real place—a place kids could go and visit for themselves after reading the book. And I also used real children as characters. Usually a couple of my own children served as characters, and I had no trouble recruiting kids from the book's location to also be characters.

Also, I wanted all the kids—boys and girls of all ages—to participate in solving the mystery. And, I wanted kids to learn something as they read. Something about the history of the location. And I wanted the stories to be funny.

That formula of real+scary+smart+fun served me well. The kids and I had a great time visiting each site and many of the events in the stories actually came out of our experiences there. (For example, we really did stick our toes in the cold ocean, climb Jockey's Ridge, and see *Flyer* for ourselves!)

I love getting letters from teachers and parents who say they read the book with their class or child, then visited the historic site and saw all the places in the mystery for themselves. What's so great about that? What's great is that you and your children have an experience that bonds you together forever. Something you shared. Something you both cared about at the time. Something that crossed all age levels—a good story, a good scare, a good laugh!

30 years later,

Carole Marsh



Chicago Visitor Information

Chicago Convention and Tourism Bureau

www.chicago.il.org

Illinois Bureau of Tourism

www.enjoyillinois.com

Chicago Cultural Center

888-244-2246

77 E. Randolph St.

Open Mon.–Fri. 10 a.m. – 6

p.m.; Sat. 10 a.m. – 5 p.m.; Sun.

11 a.m. – 5 p.m.

www.ci.chi.il.us/tourism/culturalcenter

Chicago Water Works

163 E. Pearson St.

7:30 a.m. - 7 p.m. daily

Navy Pier

700 E. Grand Avenue

800-595-7437

Sun-Thurs. 10 a.m. – 8 p.m.; Fri.-

Sat. 10 a.m. - 10 p.m.

www.navypier.com

The Field Museum

1400 S. Lake Shore Dr.


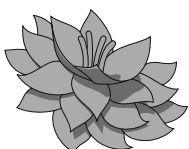
312-922-9410

Mon.-Fri. 10 a.m. – 5 p.m.; Sat.-

Sun. 9 a.m. to 5 p.m.

www.fieldmuseum.org



<u>Chapter</u>	<u>Subject</u>	<u>EXPLORE!</u>
1	Sport	What is your favorite sport to play on vacation?
1	History	Did you ever hear an older person say that they “walked 20 miles to school, up hill both ways?” Kids haven’t always had buses to ride to school. Many children had to get up very early to walk to school on time.
		
1	Life	Disappointment is a part of life. How do you handle disappointment? Some people cry, some play sports, and some talk with other people.
1	Geography	Look on a map. Which direction would the kids travel to get to Florida? What direction will they be traveling to get to Chicago, Illinois instead? How many states will they cross coming from Georgia?
2	Vocabulary	The suffix -logy means science or study; A paleontologist is someone who studies fossils. A biologist studies living organisms. A botanist studies plant life. Even after you grow up, studying is a part of life.
		
2	Life	What would you like to do when you grow up? What are some things you need to learn or practice doing in order to live your dream?
2	Logic	Why won’t Mom let the kids run around Chicago to help find their uncle? [Ex: Too young, may get lost, may get hurt, etc.]
2	Feelings	No one was happy. What might each family member be feeling instead of “happy?”

Illinois State Trivia


- Illinois is divided into 102 counties.
- On average, about 240 days are overcast in Chicago each year.

- Decatur is the nation’s soybean capital.

- The Hancock Tower in Chicago features an 80-foot caged walking deck on the 94th floor so people can feel the high winds without getting blown off the roof!

- Illinois is bordered by five states.

- With its Sky Chapel, the First United Methodist Church in Chicago is the tallest church in the world (568 feet).

- The first McDonald’s restaurant opened in Des Plaines in 1955. 

- The Chicago Bears used to be called the Staley Bears.

- Charles Mound is the highest point in Illinois, at 1,235 feet.

- Author Ernest Hemingway once said Oak Park, a suburb in Chicago, was a place with “broad lawns and narrow minds.”

- The Wrigley Building in downtown Chicago has six different shades of white painted on its exterior.

- The world’s largest catsup bottle, which can hold about 100,000 gallons of water, towers above the Old Brooks Food Factory in Collinsville.

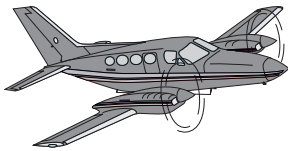
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3 Technology When Alexander Graham Bell invented the telephone, do you think he ever imagined a cell phone or a pager?

3 Vocabulary An emergency is an unexpected or sudden occurrence that demands immediate action. Do you know when something is a real emergency? What should you do if you are not sure whether something is an emergency or not? [Treat it like a real emergency, just in case.]

3 Life Sometimes learning a new skill or hobby takes a while. Papa has been studying to fly for six months, and he still needs more time to practice before he can earn his flight license. Have you ever learned a skill that takes a while to really learn?



3 Feelings How do Grant and Christina feel now? Is it possible to feel more than one way (happy and sad) at the same time? How might Mimi and Papa be feeling?

3 Logic Why must cell phones be turned off while flying? What do you think Christina typed in her message to Uncle Michael?

4 Senses Since it was too dark to see, how did Uncle Michael use his other senses? [smelled fireplace smell, touched the wall, etc.]



4 Logic If you could only enter numbers like Uncle Michael, what would you key into the pager?

5 Language What does it mean to say that politicians are “full of hot air?” Is it important to keep your promises? Why or why not?



Illinois State Trivia

(continued)

- Metropolis, Illinois hosts a Superman Celebration every June near its giant statue of Superman.

- Cracker Jacks were first sold at the 1893 Chicago World's Fair.

- The notorious gangster Al Capone was not native to Chicago.

- Uncle Fun operates a wild and wacky Chicago shop crammed with thousands of toys and miscellaneous pop-culture objects.

- James Dewar of the Continental Baking Company's Hostess Bakery in Shiller Park, invented the Twinkie in 1930. He claimed to have eaten two Twinkies every day afterward until he died in his eighties.

- The International Museum of Surgical Sciences and Hall of Immortals in Chicago features one of the world's first stethoscopes, Florence Nightingale's nursing cap, a copy of Napoleon's death mask, a working iron lung from the 1920s, amputation kits, artificial limbs, drilled Peruvian skulls, a full-sized apothecary shop, a Chippendale wheelchair, busts of famous surgeons (some carved by other doctors), and lots of other interesting stuff.

- The first deep-dish pizza was served at Pizzeria Uno in the 1940s.



- 5 Tradition The great Chicago fire of 1871, according to tradition, was started by Mrs. O’Leary’s cow who kicked over an oil lamp.



Chicago had a lot to boast about. The city, which was full of wooden buildings and wooden sidewalks was practically destroyed, but they were able to rebuild the city within two years.

Today, the Chicago Fire Academy stands where the fire started over 130 years ago.

- 5 History In 1779, a French-speaking African American fur trader named Jean Baptiste Pointe du Sable opened a trading post and “founded” Chicago. He was the first settler in that region who was not a Native American.

- 5 Food Deep dish pizza is one of Chicago’s most famous foods. Chicago is also home to the Wrigley Building, where chewing gum decisions are made.

- 6 History Chicago is most likely a Potawatomi Indian word which means “wild onions” or “skunk cabbage.”



Chicago is now the third largest city in the U.S. and has many skyscrapers and international business—quite a change from its “swampy” beginnings!

- 6 Life Uncle Michael has a dinosaur-hunting partner. It is important to know when to work alone and when to get help. Have you ever been on a team? How did you all help each other?



Illinois State History

1673 French explorers Louis Jolliet and Jacques Marquette enter Illinois.

1680 French explorer LaSalle establishes Fort Crève Coeur near present Peoria, now the oldest community in Illinois.

1779 Jean Baptiste Pointe du Sable establishes trading post near present Chicago.



1784 Newly formed United States takes control of Illinois region.

1794 Native Americans relinquish Illinois land to the U.S. government.

1800 Illinois becomes part of the Indiana territory.

1803 U.S. troops build Fort Dearborn near du Sable’s settlement.

1809 Illinois Territory forms.

1818 Union admits Illinois as the 21st state on December 3.

1832 Settlers drive Sauk and Fox Indians out of Illinois after Black Hawk War.



1839 Springfield becomes permanent state capital.

1848 Illinois-Michigan Canal connects Lake Michigan to Mississippi River.

1856 Workers complete

(continued)

- 6 Friends Do you have a friend or family member who you like to joke around with, like Grant and Christina do? When is teasing okay and when is it not okay?
- 7 Food Some other examples of German foods are rich lentil soup, fried cucumbers, apple cake, Black Forest cake, and mashed potatoes.
- 7 Science Herbivores eat plants, carnivores eat meat, and omnivores eat both plants and meat.
- 7 Culture Chicago is now home to almost every kind of person you can imagine. There you can experience different languages, different types of music and international foods without ever leaving the U.S.



For example, Chicago has more Polish people than any other city outside of Poland and the largest Greek community in the U.S. The movie, *My Big Fat Greek Wedding* was about a Greek family who lived in Chicago.

- 7 Safety Do you know when and how to use 911?
- 7 Logic Do you think Christina was being brave when she got the 911 message? What would you do?
- 7 Life Do you have someone you can talk to if you were in really big trouble? Who is it?
- 7 Logic Being superstitious means believing in chance or magic. Do you ever cross your fingers or use good luck charms?



Some athletes are very superstitious. They may



Illinois State History

(continued)

Illinois Central Railroad.

1865 Illinois becomes first state to ratify the 13th Amendment, which eventually abolishes slavery in America.

1871 Chicago Fire destroys city; disaster leaves 300 dead and 90,000 homeless.



1874 Lincoln Park Zoo purchases a bear cub, its first animal, for \$10.

1881 Marshall Fields department store opens in downtown Chicago.

1885 Chicago builds the world's first skyscraper (Home Insurance Building - 10 floors).

1886 Haymarket Riot protests poor working conditions in Chicago.

1889 Jane Addams opens Hull House in Chicago to help the poor.



1891 Dr. Daniel Hale Williams establishes Provident Hospital where he later performs the world's first successful open-heart surgery.

1892 University of Chicago opens its doors.

1893 Chicago hosts World's Columbian Exhibition; New York Sun editor dubs Chicago the "Windy City" for all its boasting.

(continued)

have lucky socks or lucky underwear that they refuse to wash in order to keep their “luckiness.”

8 Food



A brat is a nickname for a bratwurst. It is a type of sausage made with finely chopped and seasoned fresh pork. It is similar to a hot dog or half smoke.

8 Logic

If the expression, “You are what you eat” is true, what favorite food would you become?

9 Food

Schnitzel is a thin piece of veal cooked in butter.

9 Friends

What do you and your friends have in common? Same favorite food or music? What else?

9 Logic

Why would different museums compete for dinosaur bones? [They are very rare.]

9 Vocabulary

The black market is the illegal buying and selling of goods.

9 Logic

For review, who is Louis? Who is Sue?

9 Math

How much money would you earn in one year if you made \$5 per hour and worked 8 hours per day, 5 days per week (before taxes)?

9 Language

Onomatopoeia is the use of words that imitate what they denote. Can you think of others? [thump, hush, buzz, cuckoo, pop, snap, crack, whiz, whoosh etc.]

10 Math



It has been 3 or 4 days since Uncle Michael has seen light. Since there are 24 hours in a day, approximately how many hours has he been living in the dark?



Illinois State History

(continued)

1903 Illinois becomes the first state to limit child labor; Iroquois Theater fire kills 571.

1920 Staley Bears football team forms, later renamed Chicago Bears.



1955 O'Hare International Airport opens for commercial air traffic with 17 airline carriers.

1970 Illinois lawmakers adopt present state constitution.

1973 Workers complete the Sears Tower.

1980 Illinois native Ronald Reagan becomes the 40th U.S. president.

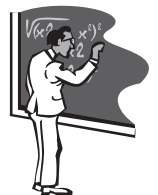
1983 Chicago elects its first African American mayor, Harold Washington.



1992 Illinois elects Carol Moseley-Braun, the first African American woman to serve in the U.S. Senate.

1997 Chicago Bulls win their fifth NBA championship in seven years.

2003 State Board of Education approves \$5 million budget designed to improve teacher quality and student achievement in public schools.



- 10 Vocabulary Framed means falsely made to look guilty.
- 11 History During the Prohibition Era (1920-1933), it was illegal to sell any kind of alcohol in the U.S. Illegal businesses popped up everywhere. Many were controlled by gangsters and mobsters who made money by smuggling alcohol into places called speakeasies.
- 11 Culture Grant Park hosts free concerts in the summer and fireworks on the Fourth of July.
- 12 Life Some people start each day with the same routine, like drinking coffee and reading the paper every morning. Do you have a morning ritual?
- 12 Writing Making observations is a good way to improve your creativity and make your writing more interesting. How would you describe your teacher right now? Be nice!
- 12 Vocabulary Philanthropists are people who give money to charities and organizations to enhance the well-being of mankind.



- 12 Feelings If your friend was upset, what would you do to help him or her feel better?
- 13 Logic How do you think the “rat-faced man” knew about the messages that Uncle Michael sent to Christina?



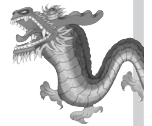
Chicago Events

January

- New Year’s Celebration at Navy Pier with fireworks and family activities
- WinterBreak: winter celebration that includes more than 100 events around the city, features the Magnificent Mile Crystal Carnival

February

- Chinese New Year Parade: features colorful floats, traditional music, dancing, and food



March

- St. Patrick’s Day Parade: winds down the Loop; the Chicago River is dyed green for this celebration of Irish heritage
- Greek Independence Day Parade: Halsted Street from Randolph to Van Buren


April

- Chicago Park District Spring Flower Show: Lincoln Park Conservatory

May

- Bike Chicago: month-long cycling festival, architecture bike tours, group bike rides
- Great Chicago Places and Spaces: architecture celebration in downtown Chicago with walking tours
- Wright Plus: Tour of homes and landmarks designed by architect Frank Lloyd-Wright



- 13 Language Can you say goodbye in another language?
- 14 Fun Facts There is something for everyone on the Magnificent Mile, like a big F.A.O. Schwartz toy store and a huge Nike World.
- 14 Language Can you think of more rhymes for: “Pack your gear? We’re off to the Navy Pier?”
- 15 Language Figures of speech make sentences more interesting. “Christina forked over the money...” Can you think of other fun ways to say the same thing? [Ex: dished out the dough]
- 15 Safety Firemen train to learn more skills than just fighting fire. They know CPR, first aid, and much more.
- 15 Geography Lake Michigan is important to the city of Chicago. Large ships come into the city carrying fuel and all kinds of products. Most of the city’s water comes from the lake too.
 
- 16 Writing If you were a writer like Mimi, what kind of books would you write?
- 16 History The elevated “L” train makes a loop in the city. Part of Chicago’s downtown is called the Loop.
- 16 Biology Why was Christina breathing hard? What does your body do when you feel like that?
- 16 Logic What might happen if the kids follow this clue to the Grant Park Fountain?
- 17 Reading Who knows the story of Pinocchio? [puppet who becomes a boy, his nose grows longer whenever

Chicago Events

(continued)


June

- Chicago Gospel Festival: Grant Park, two-day event (free) with gospel composers, musicians, and singers
- Chicago Blues Festival: Grant Park, three-day event with local blues, musicians, and southern artists
- Printer’s Row Book Fair: Dearborn Avenue; features rare books, dealers, papermaking, and book-binding demonstrations 
- 18th Street Cultural Festival: Hispanic culture celebration

July

- Taste of Chicago: concerts and cooking lessons; hosted by some of the best restaurants in Chicago
- Chicago Folks and Roots Park: Welles Park, mix of musical styles from around the world
- La Fiesta del Sol: Mexican cuisine, carnival rides, arts and crafts, local and visiting musicians
- Venetian Night: Monroe Harbor, boat parade and fireworks synchronized to music

August

- Pullman Jazz, Blues, and Gospel Fest: Gately Park 
- Bud Billiken Day Parade: one of the oldest African American parades in the U.S., ends with huge picnic in Washington Park



he lies.] Would it be a compliment to be called a “Pinocchio?”

17 Character



Christina remembered her phone and remembered to lock the door. Showing adults that you can be responsible lets them know that they can trust you.

17 Math

What would you get if you added the numbers from the clue on the pager: $110+1454+120$?

18 Fun Facts

Some big companies in Chicago have some really big buildings like John Hancock Insurance, Amoco Oil, and Sears. The Sears Tower is the second tallest building in the world.

18 Life



Lana’s way of remembering numbers with a name is a great way to help yourself remember numbers. Are there numbers you need help remembering, like your grandma’s phone number or your mother’s birthday?

19 Science

Marble is a beautiful type of stone used to make buildings or sculptures.

19 Vocabulary

An atrium is an open central court.

20 Math

Two man-eating lions were captured in 1898. How many years has it been since that date?

20 Life

Which one of these interesting exhibits would you like to see?

20 Math

If the basement has been closed for about 50 years, approximately what year was it closed?

21 Animals

Do you know what color a polar bear’s skin is

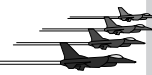
Chicago Events

(continued)

- Chicago Carifete: Midway Plaisance; music, dancing, and food from the Caribbean Islands.

- Rock the River: river cruises, fishing derby, and music to celebrate the Chicago River

- Chicago Air and Water Show: North



Avenue Beach; plane and boat stunts in the sky and water

September

- Chicago Jazz Festival: Grant Park, features dancing and legendary jazz musicians and singers

- Celtic Fest Chicago: Grant Park, celebration of Celtic music and heritage

- Mexican Independence Day Parade: Little Village, colorful floats, music, dancing to remember Mexico’s 1820 independence from Spain



- World Music Festival: world-beat music concerts

October


- Haunted “L” Rides: Chicago Cultural Center, free Loop train ride with ghosts


- Mayor Daley’s Kids and Kites Fest: Lake Shore Drive and Montrose Avenue

- Chicago Marathon: one of the world’s largest marathons (26.5 mile course) with thousands of participants each year



under his white fur? [black]

- 21 Life Sometimes you have to improvise in life. To improvise means to make or invent a solution on the spot, without any preparation.
- 21 Friends Good job! It is good to encourage a friend.
- 21 Life You may not be on a mystery adventure, but what are some ways you can be prepared when you go to school? Or out to play?
- 21 Animals Bats are nocturnal mammals. This means they are active at night and sleep during the day.
- 21 Vocabulary  Guano is the droppings of sea birds and bats. It is collected on the coast and in caves and used for fertilizer.
- 21 Logic Who are Paulie and Simon?
- 21 Biology The femur bone is the hind limb on animals and the thigh bone on humans.
- 21 Logic Did you think that Clyde the Curator was the bad guy? Why or why not?

- 22 Vocabulary  A grand marshal is the honorary head of a parade. Would you ever want to be in a parade? Have you ever attended a parade? Which float or act did you like best?

Be sure to read Carole Marsh Mystery #7:
The White House Christmas Mystery.



Chicago Events

(continued)

- Oktoberfest: German cultural celebration with food and beer gardens

November

- Holiday Windows at Marshall Fields: animated Christmas displays in the windows of the State Street store

- Christmas Around the World and Holidays of Light: Christmas trees are decorated by various ethnic groups and Chicago shares its different holiday traditions



- Magnificent Mile Lights Festival: thousands of Christmas lights are lit during this annual procession

- Field's Jingle Elf Parade: State Street, features Santa Claus and his elves

- Holiday Tree Lighting Ceremony: Daley Plaza

- Christkindlmarkt: German marketplace in Daley Plaza

December

- Country Christmas: Victorian House District; Santa visits, house-walks, and the Mistletoe Ball

- Caroling to the Animals: Lincoln Park Zoo, people come to sing carols to the animals

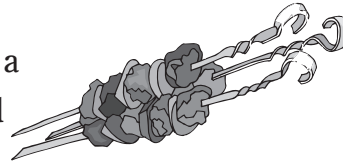


- Chicago Park District Christmas Flower Show: Lincoln Park Conservatory, poinsettia displays

- New Year's Eve: Navy Pier, evening celebration with laser-lights and fireworks

Discussion Questions

- ❖ Uncle Michael and his wife have vanity license plates that say “Mr. Bones” and “Mrs. Bones” because he loves dinosaurs. What would you like to put on your license plate someday?
- ❖ Can you invent funny dinosaur names like Try-on-a-shirt-us Rex? or Shop-asaurus?
- ❖ If you were in the dinosaur parade, with Christina and Grant, what would your wildly colored dinosaur look like?
- ❖ If you visited Chicago and decided to try a new food, which type of restaurant would you like to try: Vietnamese, Irish, Thai, Greek, or Swedish?
- ❖ Chicago has great sports teams. Which game would you like to see most: the Bulls, Bears, Black Hawks, Cubs or White Sox?
- ❖ There is so much to do in Chicago. Where would you hang out? Would you visit the Magnificent Mile, the zoo, a museum, a park or go for a boat ride in Lake Michigan? Would you prefer to visit during the freezing cold in winter or the sweltering heat in summer?
- ❖ When you grow up, what kind of job would you like to have? One clue is to know what you are already good at and what you enjoy doing. What is that? You can have more than one answer!



Chicago Style Deep Dish Pizza

Dough

Combine 1 teaspoon sugar, 1 (.25 ounce) package active dry yeast, and 1 cup of warm water in a small bowl. Allow yeast mixture to stand 5 minutes.

Combine 2 1/2 cups all-purpose flour, 1/2 cup yellow cornmeal, and 1/4 teaspoon salt in a larger bowl. Blend well. Slowly add yeast mixture and 1 tablespoon olive oil. Mix until dough forms a ball.

Knead dough lightly 4 or 5 times on a lightly floured surface. Coat the dough bowl with cooking spray and place the dough inside. Allow dough to rise in a warm place for 45 minutes.

Punch dough down, cover, and let it rest for another 5 minutes. Divide dough in half and roll each piece into an 11-inch circle on a lightly floured surface.

Coat 2 (9-inch) round pans with cooking spray. Sprinkle 1 tablespoon of yellow cornmeal on the bottom of each pan. Set dough in the prepared pans and press it up the sides. Cover pans and allow dough to rise about 20 minutes.



(continued)

Geography: Find It!

1. Compare Peachtree City, Georgia (where Grant and Christina live) with the big city of Chicago. What are the differences between the two places? What are some similarities?
2. Design a new architectural floor plan of the Sears Tower. Include a paragraph explaining your changes.
3. Draw a map of a historic district in Chicago. Attach index cards to the map with information about each historic site.
4. Construct a model of Lake Michigan with blue yarn. Add various landmarks and surrounding cities.
5. Draw a map of Chicago. Label major landmarks, streets, roads, bridges, waterways, monuments, and bodies of water. Include a key, map symbols, title, and chart of locations.
6. Design a memorial monument to those who died in the Great Chicago Fire.
7. How is Chicago unique in comparison to other major U.S. cities like New York, Atlanta, Los Angeles, Miami, Boston, and Washington, D.C.?
8. Make a list of the geographical benefits that Chicago could provide for your family. Where would you want to live in Chicago if you could? What disadvantages would there be to living in Chicago? Perhaps the cold! Christina and Grant were probably happy to get back to the warm Georgia sun!



Chicago Style Deep Dish Pizza

(continued)

Filling

- 1 tablespoon olive oil
- 1 1/2 cups chopped green pepper
- 1 1/2 cups chopped onion
- 1 clove garlic, crushed
- 2 1/2 cups sliced mushrooms
- 2 teaspoons dried oregano
- 1/4 teaspoon salt
- 1 1/2 cups crushed tomatoes
- 1 1/4 cups shredded Monterey Jack cheese
- 3/4 cup shredded provolone cheese

Heat oil in a large skillet over medium heat.

Add pepper, onion, and garlic. Sauté for 5 minutes. Add mushrooms, oregano, and salt. Sauté 3 minutes.

Remove ingredients from the heat and cool.

Divide tomatoes in half. Spread equal amounts over each prepared crust.

Layer the tomatoes with equal amounts of the vegetable mixture.

Sprinkle cheeses evenly over pizzas. Bake pizzas at 475° F for 15 minutes. Then reduce oven temperature to 375 degrees and bake another 15 minutes.

Cut into wedges and serve warm!

Mathematics: Calculate It!

1. If a dinosaur eats 100 pounds of meat each day, how many pounds of meat will he eat in two weeks?
2. The Field Museum of Natural History has 35 exhibit rooms, 2 auditoriums, 1 gift shop, 15 storage rooms, 4 restrooms, 8 offices, and 14 closets. How many rooms are in the museum?
3. A budget is a list of expenses. Total this budget for the Chicago mystery trip:

\$1,100 – airplane costs, \$350 – meals,
\$200 – Mimi's books, \$125 – tickets for
attractions, \$85 – gasoline for the car,
\$300 – Magnificent Mile shopping trip,
\$55 – cell phone bill, \$35 – souvenirs.



4. If Uncle Michael has been lost for three days, how many hours has he been lost? How many minutes?
5. There are 29 dinosaurs living on an island. One dinosaur decides to invite everyone to a big party on his beach. If each dinosaur has one wife and three baby dinosaurs and everyone attends, how many dinosaurs go to the party?
6. The Sears Tower is 1,454 feet tall and has 110 stories. Given those exact figures, approximately how many feet tall is one story?
7. If a dinosaur is 40 feet, 6 inches in height, how tall is the dinosaur in inches?



Different Dinosaurs

Allosaurus

Apatosaurus

Archaeopteryx

Brachiosaurus

Ceratosaurus

Coelophysis

Compsognathus

Deinonychus

Dilophosaurus

Diplodocus

Dryosaurus

Edaphosaurus

Edmontonia

Edmontosaurus

Eorapter

Euoplocephalus

Herrerasaurus

Heterodontosaurus

Hypsilophodon

Iguanodon

Maiasaura

Ornithomimus

Oviraptor

Pachycephalosaurus

Parasaurolophus

Plateosaurus

Protoceratops

Psittacosaurus

Scutellosaurus

Segnosaurus

Stegosaurus

Triceratops

Tyrannosaurus

Velociraptor



English: Write It!

1. Pretend you are a dinosaur who lives in the Field Museum of Natural History. Write a story from the dinosaur's perspective.
2. Which character did you like best in the mystery book? Why? What would you change about that person if you could? In what ways would you like to be more like that person?
3. Write an Ode to a Dino (maybe even Sue!) that is either silly or serious.
4. Write a paragraph about what you think Uncle Michael may have been thinking while he was imprisoned by his kidnappers. Don't write what the author has already written.
5. Write five new titles for *The Mystery of the Chicago Dinosaurs*. Write new chapter headings for every chapter in the book.
6. What is a glossary, and why is it important for the reader? Write down a list of words you didn't know in the mystery. Define each of them to compile your own glossary.
7. Recall each mystery clue after you finish reading the book. Write down the reasons why each clue makes sense now that you know the ending of the story.
8. Write down ten titles for new mystery books. Include a list of possible characters and chapter headings. Send us your best titles! We might write another mystery based on your idea!
9. Write a new ending for the last chapter of the mystery.



Dinosaur Books

How Do Dinosaurs Say Goodnight?

By Jane Tolen and Mark Teague (illustrator)

Dinotopia: The World Beneath

By James Gurney



National Geographic Dinosaurs

By Barrett

Extreme Dinosaurs

By Luis V. Rey

Dinosaur Encyclopedia

By David Lambert



The Scientific American Book of Dinosaurs

By Gregory S. Paul

Dinosaurs! The Biggest Baddest Strangest Fastest

By Howard Zimmerman

Dinosaur Field Guide: Jurassic Park Institute

By Robert Walters, Thomas Holtz, and Dr. Michael Brett-Surman



Feathered Dinosaurs




By Sloan

Vocabulary: Spell It!

Study the words below. All of them are taken from the mystery book. Fold the page in half and take a spelling test! Check your work, and study the words you miss! Look up each word in the dictionary and write its definition on a separate piece of paper.

EMPHATICALLY	_____
KIDNAP	_____
MUSEUM	_____
GANGSTER	_____
DISAPPOINTED	_____
DECODE	_____
REVEAL	_____
SQUINT	_____
CRACK	_____
INNOCENT	_____
COMMOTION	_____
SHUFFLE	_____
BELLOW	_____
PIER	_____
DIZZY	_____
STAGGER	_____
SWOON	_____
HUNKER	_____
TIDBIT	_____
IMPRESSION	_____
COINCIDENCE	_____
FALSE	_____
RIDDLE	_____
HEARTY	_____
ENTHUSIASTIC	_____
DEJECTEDLY	_____
CHARRED	_____
PASSAGE	_____

Chicago Museums

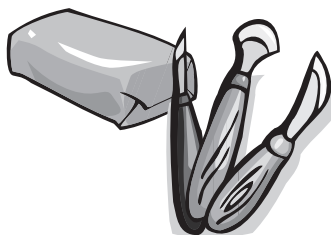
- A. Philip Randolph/George M. Pullman Museum Gallery
- Adler Planetarium
- American Bar Association Museum of Law
- American Police Center and Museum 
- Art Institute of Chicago
- Balzekas Museum of Lithuanian Culture
- Beacon Street Gallery
- Beverly Art Center
- The Block Gallery 
- Center for Book and Paper Arts
- Chicago Athenaeum: Museum of Architecture and Design
- Chicago Children's Museum
- Chicago Cultural Center
- Chicago Public Library Harold Washington Center
- The Dittmar Gallery
- DuSable Museum of African-American History
- Field Museum of Natural History
- Hellenic Museum and Cultural Center
- International Museum of Surgical Science
- Intuit: The Center for Intuitive and Outsider Art 
- Jane Addams' Hull House Museum
- Martin D'Arcy Gallery of Art



Art: Create It!

1. Draw a beautiful outdoor public park like Grant Park. Don't forget Buckingham Fountain, the Petrillo Music Shell, and the Richard J. Daley Bicentennial Plaza (they have ice skating in the winter and roller skating in summer!).

2. Sculpt the Sears Tower. You may need to prop it up against something because it's so tall!



3. Create a shadow box of the main auditorium in the Civic Opera House in downtown Chicago.

4. Construct a three-dimensional Chicago using miniature objects, cardboard, toothpicks, cotton ball clouds, grass, etc. You could even make an edible version and eat it with the class!

5. Sketch portraits of each mystery book character. Add specific details in the background like a dinosaur, Sears Tower, Ferris wheel, etc.

6. Paint a picture of what Chicago looked like the day after the Great Chicago Fire.





7. Design a new cover for *The Mystery of the Chicago Dinosaurs* book. You could take photographs or draw your own pictures. Create a new and interesting font!

8. Build a model of the Chicago with modeling clay bricks. Ask an adult to help you "bake" the clay so it will harden. Make a dinosaur family for the inside.



Chicago Museums

(continued)

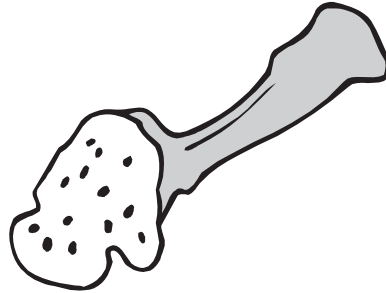
- Mexican Fine Arts Center Museum
- Museum of Broadcast Communications
- Museum of Contemporary Art
- Museum of Contemporary Photography 
- Museum of Holography/Chicago
- Museum of Science and Industry
- National Vietnam Veterans Art Museum
- Nature Museum of the Chicago Academy of Sciences
- Northwestern University Settlement House
- North Lakeside Cultural Center
- Oriental Institute Museum
- Peace Museum
- Polish Museum of America
- Prairie Avenue House Museums
- Randolph Street Gallery
- Renaissance Society at the University of Chicago
- Shedd Aquarium 
- Smart Museum of Art
- South Shore Cultural Center
- Spertus Museum
- Terra Museum of American Art
- Ukrainian National Museum
- Vietnam War Museum

Bake up a batch of dinosaur bones!

Dino Bones Cookies

Ingredients

- 1 1/2 cups powdered sugar
- 1 cup shortening
- 1 egg
- 1 teaspoon vanilla extract
- 1/2 teaspoon almond extract
- 2 1/2 cups all-purpose flour
- 1 teaspoon baking soda
- 1 teaspoon cream of tartar



Directions

1. Mix together sugar, shortening, egg, vanilla extract, and almond extract until creamy.
2. Gradually add flour, baking soda, and cream of tartar. Mix well.
3. Roll out dough to about 1/8" thickness. Dust your hands with flour and mold pieces of dough into various bone shapes.
4. Place cookies onto lightly greased cookie sheets and sprinkle with brown sugar.
5. Bake cookies at 350 degrees F for 8-10 minutes. Allow bones to cool, then put them together to see what kind of dinosaur you have created! Gnaw away at your creation!

Snack-a-saurus

Young paleontologists, folks who study dinosaur remains, will enjoy making this dino-licious snack in the shape of their favorite dinosaur. Assemble some dinosaur cookie cutters, bread, peanut butter, jelly, raisins, nuts, and pretzels. Using the cookie cutter, press the desired shape into the bread. Spread with peanut butter and add eyes, spikes, etc. with the raisins, pretzels or anything you might add for Pleistocene pizzazz!



Illinois State Basics

State Bird: Cardinal



State Flower: Violet

State Tree: White Oak



State Animal: White-tailed Deer

State Prairie Grass: Big Bluestem



State Insect: Monarch Butterfly

State Fish: Bluegill



State Mineral: Fluorite

State Dance: Square Dance



State Nicknames:
Land of Lincoln
Prairie State
Garden of the West
Crossroads of America

State Motto: State
Sovereignty, National Union

Statehood: December 3,
1818 (21st state)

State Song: "Illinois" (adopted
in 1925)

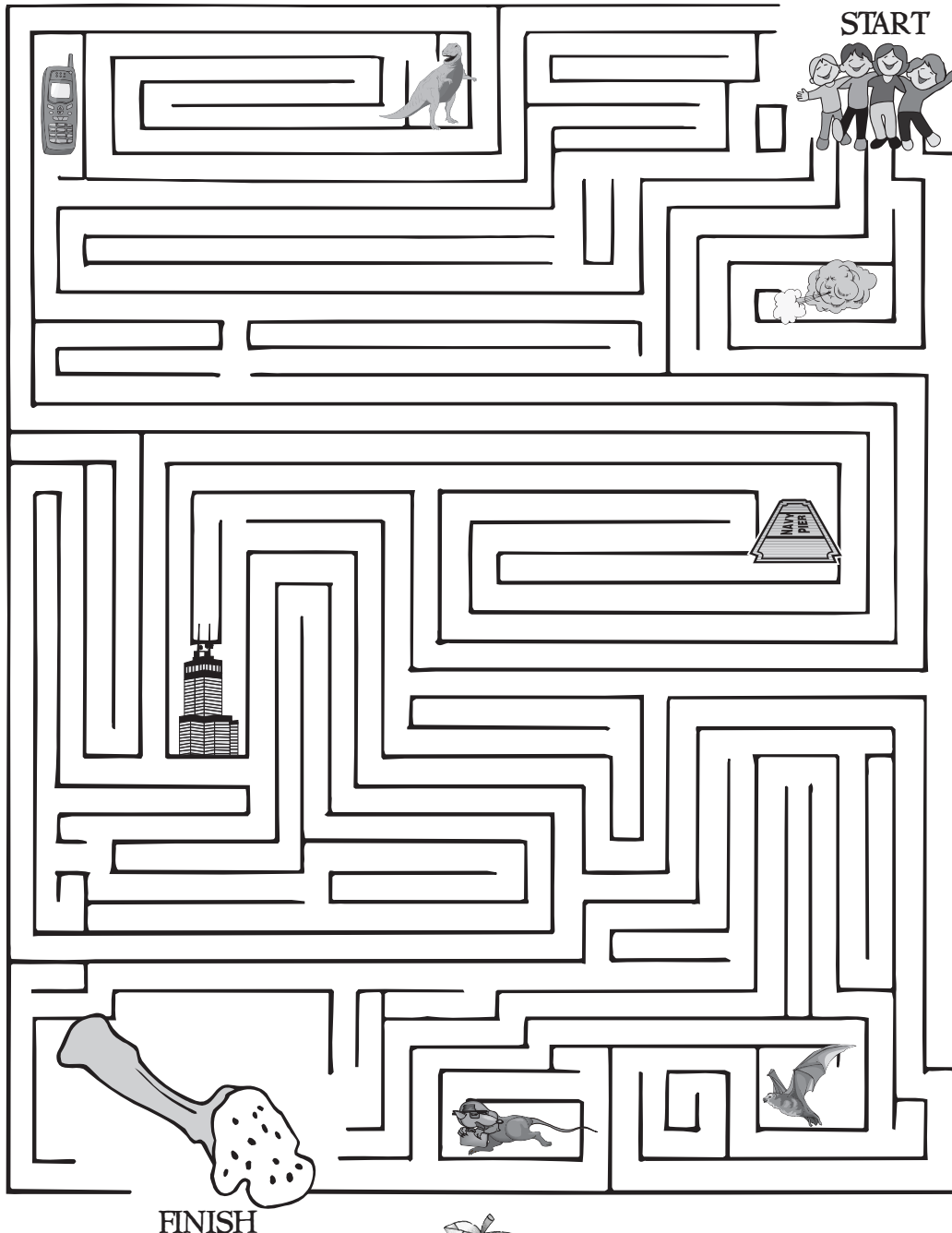
State Flag: adopted in 1915

State Seal: adopted in 1868

The Mystery of the Chicago Dinosaurs Maze



Help Christina, Grant, Lana, and Lee blaze their way through Chicago to find the missing dinosaurs!



The Mystery of the Chicago Dinosaurs Pair Up



Match the words on the left with the correct words on the right!



FIELD

PIER

THE

FOUNTAIN

BERGHOFF

OPERA HOUSE

MAGNIFICENT

LOOP

NAVY

EXCHANGE

GRANT

PARK

BUCKINGHAM

MUSEUM

PRINTER'S

RESTAURANT

SEARS

ROW

CHICAGO MERCANTILE

MILE

THE CIVIC

TOWER



The Mystery of the Chicago Dinosaurs Dinosaur Dip!



Let this dinosaur do the serving at your next Dino Party!



Dinosaur Dip Directions

1 cup sour cream
2 tablespoons fresh dill (chopped)
1 teaspoon onion powder
dash of salt
dash of pepper

Mix the sour cream, fresh dill, onion powder, salt and pepper together until evenly mixed. Chill in the refrigerator while preparing the dino, or make ahead. Spoon the dip into the dinosaur's body when you are ready to serve it!

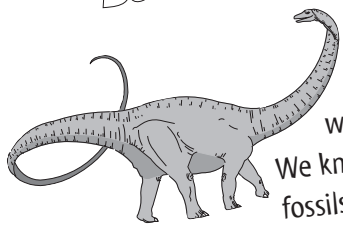
Dinosaur Ingredients & Directions

1 acorn squash
4 small pickling cucumbers
toothpicks
dab of strawberry jam

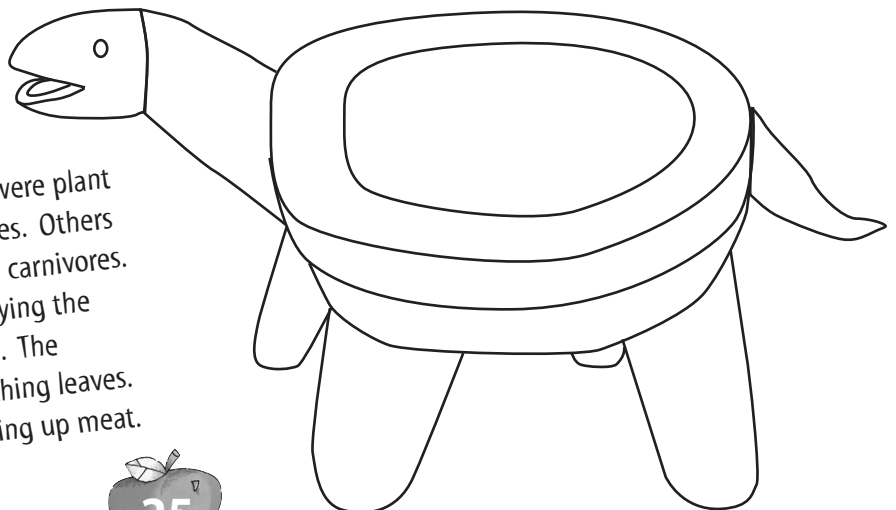
1 zucchini
1 small green chili pepper or okra
cloves

- Cut the acorn squash in half. Scoop out all of the seeds.
- Slice the top two inches off the zucchini at an angle. Attach this section back onto the zucchini with toothpicks to make the head.
- Slice the other end of the zucchini at an angle and attach it with toothpicks to the squash half.
- Cut a small mouth and nose for the dinosaur. Stick cloves in the zucchini for eyes. Drop a dab of strawberry jam on the mouth, not too much or it will drip, and that won't look good.
- Cut off one end at an angle before attaching each the four small cucumbers to the squash with toothpicks for legs.
- Attach the pepper or okra to the squash rear with toothpicks for a tail.

Steak or
Salad?



Some dinosaurs were plant eaters or herbivores. Others were meat eaters or carnivores. We know this from studying the fossils of dinosaur teeth. The herbivore teeth were rounded for crunching leaves. The carnivore teeth were sharp for tearing up meat.



The Mystery of the Chicago Dinosaurs Clue Scramble



Unscramble the words below to find the mystery clues!

1. RFISER EEWHL _____

2. UNAFINOT _____

3. HPEL _____

4. RSSEA WETOR _____

5. AVYN IERP _____

6. RTBIH DTEA _____

7. MMUUSE _____



The Mystery of the Chicago Dinosaurs Word Search



Search for the mysteriously hidden words below!

C D B S M Z D P A N D I K R T C A
 H X T A U O H A C F A S J S M E S
 I N V E S T I G A T E E D U X L V
 C P G O E E L E Y S D D I S C L J
 A T I C U F M R U I O B Q P S P M
 G O H E M V K E U R C L U E U H O
 O U P A R Z O G N Y G U E C N O K
 T R U A S O N I D T U L L T R N I
 S B T N U R S R E W O T S R A E S

BASEMENT

SEARS TOWER

CLUE

MUSEUM

GUIDE

PIER

CELL PHONE

CODE

KIDNAP

PAGER

TOUR

CHICAGO

DINOSAUR

SUE

INVESTIGATE

SUSPECT



The Mystery of the Chicago Dinosaurs Fill-in-the-Blank Crossword



Fill in the blanks to answer the questions.

1. Uncle Michael knows her birth date:

C _____ S _____

2. Place where stock brokers go to make money:

_____ H _____ G _____
M _____ C _____
_____ X _____ G _____



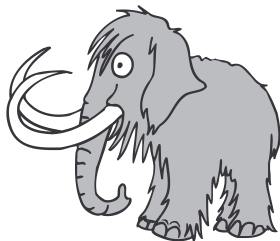
3. Lady dinosaur that Uncle Michael and Marcus found:

_____ E

4. The man in the dark trenchcoat has a:

P _____ Y _____ S _____

5. World-class history museum:



_____ I _____ D
M _____ E _____
_____ A _____ A _____
H _____ Y

The Mystery of the Chicago Dinosaurs Matching Characters



Match these mystery characters with their descriptions!

- | | |
|------------------|------------------------------|
| 1. Papa | A. always hungry |
| 2. Aunt Cassidy | B. tends to get lost |
| 3. Lee | C. mystery writer |
| 4. Marcus | D. all locked up |
| 5. Christina | E. waiting for her husband |
| 6. Mimi | F. protective of her brother |
| 7. Grant | G. opinionated and thrifty |
| 8. Uncle Michael | H. bone-hunting partner |
| 9. Simon | I. wealthy patron |



The Mystery of the Chicago Dinosaurs Quiz



Use the clues to recall some interesting places to visit in the Chicago!



1. World's second tallest building:

2. Great place to shop:

3. Oldest functioning restaurant in Chicago:

4. Piles and piles of books:

5. Where stock trading takes place:

6. Famous art school with museum:

7. World's largest indoor aquarium:

8. Once part of a naval training center:



The Mystery of the Chicago Dinosaurs

True or False



Mark each statement true or false. Can you replace the word that is false in each statement?



- _____ 1. The Field Museum of Natural History features stuffed elephants.
- _____ 2. Christina received only numerical messages from Uncle Michael.
- _____ 3. Buckingham Fountain is located in Grant Park.
- _____ 4. The Loop is a winding road in Chicago.
- _____ 5. The kids think they keep seeing dinosaurs while in Chicago.
- _____ 6. Uncle Michael is a paleontologist.
- _____ 7. Mimi and Mom shopped at the Magnificent Avenue.
- _____ 8. The kid sleuths were looking for an alligator in Chicago.
- _____ 9. The Sears Tower is the world's second tallest building.
- _____ 10. Chicago is a city in Indiana.



Answer Key...

to The Mystery of the Chicago Dinosaurs Activities



Math Activities

1. 1,400 pounds of meat; 2. 79 rooms; 3. \$2,250 budget; 4. 72 hours, 4,320 minutes; 5. 145 dinosaurs; 6. 13 feet; 7. 486 inches

The Mystery of the Chicago Dinosaurs Pair Up

FIELD MUSEUM, THE LOOP, BERGHOFF RESTAURANT, MAGNIFICENT MILE, NAVY PIER, GRANT PARK, BUCKINGHAM FOUNTAIN, PRINTER'S ROW, SEARS TOWER, CHICAGO MERCANTILE EXCHANGE, THE CIVIC OPERA HOUSE

The Mystery of the Chicago Dinosaurs Clue Scramble

FERRIS WHEEL, FOUNTAIN, HELP, SEARS TOWER, NAVY PIER, BIRTH DATE, MUSEUM

The Mystery of the Chicago Dinosaurs Fill-in-the-Blank Crossword

CHRISTINA, CHICAGO MERCANTILE EXCHANGE, SUE, POINTY NOSE, FIELD MUSEUM OF NATURAL HISTORY

The Mystery of the Chicago Dinosaurs Matching Characters

1. G; 2. E; 3. A; 4. H; 5. F; 6. C; 7. B; 8. D; 9. I

The Mystery of the Chicago Dinosaurs Quiz

Sears Tower, Magnificent Mile, The Berghoff, Printer's Row, Chicago Mercantile Exchange, Art Institutes of Chicago, Shedd Aquarium, Navy Pier

The Mystery of the Chicago Dinosaurs True or False?

1. T; 2. T; 3. T; 4. F – public train; 5. T; 6. T; 7. F – Mile; 8. F – Uncle Michael and the missing dinosaur; 9. T; 10. F - Illinois

