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Photos on cover pulled from the following websites:
http://www.old-picture.com/mathew-brady-studio/Thomas-Edison-001.htm
http://inventors.about.com/od/tstartinventions/ss/theme_park_2.htm
http://www.futuristspeaker.com
http://laserphaco.net/content/0sn87/osn87_1.html
http://www.smithsonianeducation.org/scitech/impacto/graphic/victor/graphic_victor.htm
http://www.fotosearch.com/bthumb/UPC/UPCO01/cmn34006.jpg
Inventors and Inventions:

Famous and Not So Famous Inventors
http://www.nmoe.org/students/kidsinvention_4.htm

Thomas Edison
http://edison.rutgers

Thomas Edison National Park
http://www.nps.gov/edis/index.htm

Multiple Inventions and Inventors
http://inventors.about.com/mlibrary.htm

Multicultural Resource Center for Inventors
http://www.inventions.org/culture/

National Inventors Hall of Fame
http://www.invent.org/hall_of_fame/1_0_0_hall_of_fame.asp

African American Inventors
http://teacher.scholastic.com/activities/bhistory/inventors/
http://www.blackinventor.com/pages/history.html
http://www.patent-search-information.com

Women Inventors
http://www.enchantedlearning.com/inventors/women.shtml
http://www.teachervision.fen.com/womens-history/scientists/2433.html

Latino Inventors
http://inventors.about.com/od/famousinventors/tp/mexican.htm

Native Americans Inventors
http://inventors.about.com/od/famousinventions/a/Native_American.htm

Steve Jobs
http://allaboutstevejobs.com/
For Kids:

Library of Congress
http://www.loc.gov/teachers/classroommaterials/themes/science/students.html
• Online activities and information on historical inventions

Bill Nye the Science Guy
http://www.billnye.com/

What in the World is that? Ingenious Inventions Throughout History
• An interactive game that incorporates primary source documents
• Inventions include: submarine, ornithopter, airphibian, battery radio, cotton gin, reaper, gramophone, electron microscope, steam engine, carpet cleaner, telephone, telecommunication, corn detasseler, punched card sorter, turbine water wheel, snow gauge

InventNow
http://www.inventnow.org/gallery/
• Includes a gallery of kid inventors

Camp Invention
http://www.invent.org/camp/default.aspx
• Summer day camp for kids sponsored by the National Inventor's Hall of Fame

Inventive Kids
http://www.inventivekids.com/
• Interactive, inspires kids to invent
• Includes teacher resources

National Gallery for America’s Young Inventors
http://www.nmoe.org/gallery/index.htm

The United States Patent and Trademark Office (USPTO) Kids’ Pages
http://www.uspto.gov/web/offices/ac/ahrpa/opa/kids/

"I DO NOT THINK THERE IS ANY THRILL THAT CAN GO THROUGH THE HUMAN HEART LIKE THAT FELT BY THE INVENTOR AS HE SEES SOME CREATION OF THE BRAIN UNFOLDING TO SUCCESS..."
—NIKOLA TESLA, ALTERNATING CURRENT
"MAN IS A SHREWDED INVENTOR, AND IS EVER TAKING THE HINT OF A NEW MACHINE FROM HIS OWN STRUCTURE, ADAPTING SOME SECRET OF HIS OWN ANATOMY IN IRON, WOOD, AND LEATHER, TO SOME REQUIRED FUNCTION IN THE WORK OF THE WORLD."
—RALPH WALDO EMERSON

Lessons:

Create a Lesson around a field trip to the George Eastman House in Rochester
http://blog.eastmanhouse.org/2010/03/04/lights-camera-eastman/

Thomas Edison For Kids (Science Netlinks)

The Invention Factory: Thomas Edison’s Laboratories (nps.gov)

Ready made Lesson Plan 1: Great American Inventors
Using Nonfiction to Learn About Technology (ReadWriteThink.org)
http://www.readwritethink.org/classroom-resources/lesson-plans/great-american-inventors-using-957.html

Biographies: Creating Timelines of a Life (ReadWriteThink.org)

Integrating Inventions Across Content Areas (Thinkfinity.org)
http://www.teachervision.fen.com/inventions/teacher-resources/6636.html

US History: Inventors & Entrepreneurs (Thinkfinity.org)

Amazing Americans: A WebQuest
http://edsitement.neh.gov/lesson-plan/more-amazing-americans-webquest

African American Inventors and Inventions (Thinkfinity.org)
http://www.educationworld.com/a_lesson/01-1/lp221_05.shtml

African American Inventors (lessonplanet.net):
http://teachers.net/lessons/posts/1026.html

The Inventor Was a Woman (lessonplanet.net)
Invention Contests:

National Gallery for Young American Inventors
http://www.nmoe.org/gallery/index.htm

BubbleWrap Brand Competition for Young Inventors
http://www.nmoe.org/bubblewrap/winners10.html

Rubberband Contest
http://rubberbandcontest.org/

Student Ideas for a Better America
http://www.nmoe.org/students/siba.htm

Discovery Education/Young Scientist Challenge
http://www.youngscientistchallenge.com/

3M Competition Article
"WHEN YOU CAN DO THE COMMON THINGS OF LIFE IN AN UNCOMMON WAY, YOU WILL COMMAND THE ATTENTION OF THE WORLD."—GEORGE WASHINGTON CARVER

Literature:

For Adults
The Devil in the White City by Author Erik Larson
• Events surrounding the 1893 Chicago World's Fair
Outliers: The Story of Success by Malcolm Gladwell
Patent it Yourself by David Pressman

For Kids
The Everything Inventions & Patents Book by Barbara Russell Pitts & Mary Russell Sarao
Neo Leo: The Ageless Ideas and Inventions of Leonardo da Vinci by Gene Barretta
Who Was Thomas Alva Edison? by Margaret Frith
Leonardo da Vinci by Kathleen Krull
Eli Whitney by Catherine Welch
A Picture Book of Benjamin Franklin by David A. Adler
First Flight: The Story of the Wright Brothers by Caryn Jenner
Inventors & Inventions: Grades 4-8 by Lorraine Hopping Egan
The Unusual Mind of Vincent Shadow by Tim Kehoe
The Picture History of Great Inventors by Gilian Clements
100 People Who Changed America by Russell Freedman
American Inventors of the 20th Century by Laura S. Jeffery
Black Inventors in the Age of Segregation by Rayvon Fouché
Black Stars: African American Women Scientists and Inventors by Otha Richard Sullivan
Outward Dreams : Black Inventors and Their Inventions by Jim Haskins
Girls Think of Everything: Stories of Ingenious Inventions by Women by Catherine Thimmesh
Feminine Ingenuity: How Women Inventors Changed America by Anne Macdonald
Incredible Women Inventors (Women’s Hall of Fame Series) by Sandra Braun
Ellen Ochoa: Astronaut and Inventor by Anne Schraff
Brainstorm!: The Stories of Twenty American Kid Inventors by Tom Tucker
The Kid Who Invented the Popsicle: And Other Surprising Stories by Don L. Wulffson
Kids Inventing! A Handbook for Young Inventors by Susan Casey
The Kids' Invention Book by Arlene Erlbach
Lacrosse: The National Game of the Iroquois by Diane Hoyt-Goldsmith
Carver, A Life in Poems by Marilyn Nelson
Steve Jobs, Steve Wozniak, and the Personal Computer by Carole Ann Camp

Invention Book List:
http://www.ideafinder.com/resource/books/rpr-inventors.htm
Importance of Play:

Invention Playhouse
http://invention.smithsonian.org/centerpieces/iap/playhouse_main.html

Does Play Matter?
http://invention.smithsonian.org/centerpieces/iap/matter_main.html

Favorite Inventor Toys: The Lemelson Center for the Study of Invention and Innovation
http://invention.smithsonian.org/centerpieces/iap/matter_past.html

- Mr. Potato Head
- Candyland
- Life
- Silly Putty
- Log Cabin Playhouse
- Crayola Crayons

“All sorts of things can happen when you’re open to new ideas and playing around with things.”
—Stephanie Louise Kwolek
"EVERYTHING COMES TO HIM WHO HUSTLES WHILE HE WAITS."
—THOMAS ALVA EDISON

Primary Source Documents:

National Archives
http://www.archives.gov/research/arc/topics/patents/

Our Documents Initiative

Doodles, Drafts, and Designs: Industrial Drawings from the Smithsonian
http://www.sil.si.edu/exhibitions/doodles/index.htm

Exhibitions and Presentations
http://www.loc.gov/teachers/classroommaterials/themes/science/exhibitions.html

Pictoral America (pictures of a couple inventions)
http://www.loc.gov/rr/print/list/picamer/paExperiments.html

Collections from the Library of Congress: Alexander Graham Bell Family Papers
http://www.loc.gov/teachers/classroommaterials/connections/alexander-graham-bell/

Inside and American Factory: Westinghouse Works
http://www.loc.gov/teachers/classroommaterials/connections/westinghouse/

Inventing Entertainment: Early Motion Pictures & Sound Recordings of Edison Co.s
http://www.loc.gov/teachers/classroommaterials/connections/inventing-entertainment/

Samuel F. B. Morse Papers
http://www.loc.gov/teachers/classroommaterials/connections/samuel-morse/

The Wilbur and Orville Wright Papers
http://www.loc.gov/teachers/classroommaterials/connections/wright/

Industrial Revolution
http://www.loc.gov/teachers/classroommaterials/primarysourcesets/industrial-revolution/

Wright Brothers
"IF I HAD THOUGHT ABOUT IT, I WOULDN'T HAVE DONE THE EXPERIMENT. THE LITERATURE WAS FULL OF EXAMPLES THAT SAID YOU CAN'T DO THIS."—SPENCER SILVER

Timelines:

Kid Friendly Timeline of Everyday Inventions
http://www.factmonster.com/ipka/A0768871.html

Technology in the Home
http://www.pbs.org/wgbh/aso/tryit/tech/#

Timeline of Thomas Alva Edison’s Life
http://memory.loc.gov/ammem/edhtml/edtime.html

Moguls & Movie Stars
http://www.tcm.com/moguls/#/timeline
• Connection to Thomas Edison

An Historical Timeline of Important Inventions, Ideas and Events
http://www.netdale.com/inventions/

Inventions Timelines
http://www.history-timelines.org.uk/events-timelines/09-inventions-timeline.htm
http://www.enchantedlearning.com/inventors

Technology Timeline 1752-1900
http://www.pbs.org/wgbh/amex/telephone/timeline/timeline_text.html

The Evolution of the Telephone
http://www.powwownow.co.uk/infographics/evolution-of-telephone.html
"BELIEVE IN THE POWER OF TRUTH... DO NOT ALLOW YOUR MIND TO BE IMPRISONED BY MAJORITY THINKING. REMEMBER THAT THE LIMITS OF SCIENCE ARE NOT THE LIMITS OF IMAGINATION.” —DR. PATRICIA E. BATH

Inspiring Websites:

Toyota—Ideas For Good
Toyota.com/ideasforgood

Homemade Millionaire on TLC, Fridays at 10pm
Google Homemade Millionaire

The Lemelson Center for the Study of Invention & Innovation
http://invention.smithsonian.org/home/

Modern INventors Documentation (MIND) program
http://invention.smithsonian.org/resources/online_articles_detail.aspx?id=347
- Lemelson Center and the National Museum of American History (NMAH) Archives
  Center launched the Modern INventors Documentation (MIND) program in 1997.
Essential questions

How can I make a lasting impact on society?

Who are the inventors that shaped and continue to shape our society?

How do inventions affect our daily lives?

What do you have in common with inventors from the past and present?

What do inventors from the past and present have in common?

What are the similarities and differences between scientists and inventors?

What does it mean to be successful?

What inspires inventors and inventions?

"WHAT WE DO DURING OUR WORKING HOURS DETERMINES WHAT WE HAVE; WHAT WE DO IN OUR LEISURE HOURS DETERMINES WHAT WE ARE.”—GEORGE EASTMAN
"AS WE LOOK AHEAD INTO THE NEXT CENTURY, LEADERS WILL BE THOSE WHO EMPOWER OTHERS.”—BILL GATES

Vocabulary:

Character—1. The combination of qualities or features that distinguishes one person, group, or thing from another. 2. A distinguishing feature or attribute, as of an individual, group, or category.

Entrepreneur—A person who organizes, operates, and assumes the risk for a business venture.

Invention—The act or process of inventing. A new device, method, or process developed from study and experimentation.

Inventor—1. to think up 2 : to create or produce for the first time.

Necessity—The state or fact of being in need. Pressing or urgent need, especially that arising from poverty.

Patent—A grant made by a government that confers upon the creator of an invention the sole right to make, use, and sell that invention for a set period of time.

Saavy—Well informed and perceptive; shrewd.

Technology—1. The application of science, especially to industrial or commercial objectives. 2. The scientific method and material used to achieve a commercial or industrial objective.

Trademark—A name, symbol, or other device identifying a product, officially registered and legally restricted to the use of the owner or manufacturer.

Kid Friendly Dictionaries:
http://www.wordcentral.com/cgi-bin/student?book=Student&va=inventor