

**INVENTORS
MATHEMATICIANS
SCIENTISTS
BIOGRAPHY BOOKS**

**samoset Middle School
Library Media Center
October 2008**

INDIVIDUAL BIOGRAPHIES

B ARCHIMEDES

Hasan, Heather. Archimedes: the Father of Mathematics.

A biography of ancient Greek mathematician, physicist, engineer, astronomer, and philosopher, Archimedes describing his life, education, and discoveries.

B ARISTOTLE

Anderson, Margaret J. Aristotle: Philosopher and Scientist.

Examines the life of ancient Greek philosopher and scientist Aristotle, discussing his childhood, his education at the Academy in Athens, his life as a scholar, and his lasting contributions to various branches of science.

B ASIMOV

Boerst, William J. Isaac Asimov: Writer of the Future.

Describes the life and career of the prolific writer who is known for writing nearly 500 books of both science fiction and non-fiction.

B BABBAGE

Champion, Neil. Charles Babbage.

Examines the life and contributions of the English mathematician and inventor, whose work with calculating machines caused him to be called the father of the modern computer.

B BAIRD

Reid, Struan. John Logie Baird.

Describes the life of John Logie Baird, the Scottish engineer who invented the television in 1925.

B BANNEKER

Hinman, Bonnie. Benjamin Banneker: American Mathematician and Astronomer.

A biography of the eighteenth-century African American who taught himself mathematics and astronomy and helped survey what would become Washington, D.C.

B BANNEKER

Maupin, Melissa. Benjamin Banneker.

Describes the life and accomplishments of Benjamin Banneker in the fields of science and architecture, as well as his impact as one of the pioneers in promoting equality.

B BELL

Durrett, Deanne. Alexander Graham Bell.

Discusses the early childhood, education, interests, and inventions of Alexander Graham Bell.

B BELL

Parker, Steve. Alexander Graham Bell and the Telephone.

Presents the life and times of Bell, the inventor of the first fully-working version of the telephone.

B BELL

Reid, Struan. Alexander Graham Bell.

A biography of the prolific inventor best known for his work with the deaf and his invention of the telephone.

B BELL

Ross, Stewart. Alexander Graham Bell.

An illustrated biography of Alexander Graham Bell, the inventor of the telephone.

B BENTLEY

Martin, Jacqueline Briggs. Snowflake Bentley.

A biography of a self-taught scientist who photographed thousands of individual snowflakes in order to study their unique formations.

B BRAHE

Boerst, William J. Tycho Brahe: Mapping the Heavens.

Presents the life and work of the famous sixteenth-century Danish astronomer.

B CARSON

Tremblay, E. A. Rachel Carson: Author, Ecologist.

A biography of the biologist who helped initiate the environmental movement.

B COPERNICUS

Goble, Todd. Nicholas Copernicus and the Founding of Modern Astronomy.

Presents the life and work of the famous sixteenth-century Polish astronomer.

B COPERNICUS

Ingram, Scott. Nicolaus Copernicus: Father of Modern Astronomy.

Discusses the youth, education, scientific observations, conflict with religious teachings and the Church, and legacy of Nicolaus Copernicus.

B CURIE

Birch, Beverley. Marie Curie: Courageous Pioneer in the Study of Radioactivity.

Presents the life and accomplishments of the Polish-born chemist, discussing her methods of scientific research, discovery of radium, and its use as a treatment for cancer.

B CURIE

Lassieur, Allison. Marie Curie: a Scientific Pioneer.

Chronicles the life of Polish-born scientist Marie Curie, the first woman to receive the Nobel Prize, providing historical context, and includes a time line, a further resource list, and approximately forty photos.

B DAMADIAN

Kjelle, Marylou Morano. Raymond Damadian and the Development of MRI.

Presents the biography of Raymond Damadian and the story of how he developed MRI (magnetic resonance imaging) technology and fought to protect his patent from infringement.

B EASTMAN

Brooke-Ball, Peter. George Eastman: Photography Pioneer.

A brief biography of George Eastman, who simplified the complicated process of photography so that he was able "to make the camera as convenient as the pencil."

B EASTMAN

Mitchell, Barbara. CLICK! : a Story about George Eastman.

Follows the life and career of the man who revolutionized photography by developing a camera simple enough for anyone to use.

B EDISON

Delano, Marfe Ferguson. Inventing the Future: a Photobiography of Thomas Alva Edison.

Presents a biography of the tireless Thomas Edison, illustrated with many photos of his life and inventions.

B EDISON

Mason, Paul. Thomas A. Edison.

A photo-filled chronicle of American inventor Thomas Edison's life and accomplishments that describes America during his lifetime and discusses his impact on the world.

B EDISON

Sullivan, George. Thomas Edison.

A biography of Thomas Edison which uses his lab notes, business records, and personal recollections as sources.

B EHRLICH

Zannos, Susan. Paul Ehrlich and Modern Drug Development.

A biography of the German physician and researcher credited with being the father of modern drug development, who focused on the principle that substances act only when they are linked.

B EINSTEIN

MacLeod, Elizabeth. Albert Einstein: a Life of Genius.

An account of the life and scientific theories of the famous physicist Albert Einstein.

B EINSTEIN

Sullivan, Anne Marie. Albert Einstein.

Looks at the life and career of twentieth-century scientist Albert Einstein, discussing his quiet childhood, his quest to understand the universe, his theory of relativity, and his efforts to bring about world peace.

B EINSTEIN

Wyborny, Sheila. Albert Einstein.

A biography of the physicist whose theories of relativity revolutionized the way we look at space and time.

B FARNSWORTH

McPherson, Stephanie Sammartino. TV's Forgotten Hero: the Story of Philo Farnsworth.

A biography of the persistent experimenter whose interest in electricity led him to develop an electronic television system in the 1920s.

B FARNSWORTH

Roberts, Russell. Philo T. Farnsworth: the Life of Television's Forgotten Inventor

A biography of the persistent inventor whose interest in electricity led him to develop an electronic television system in the 1920s.

B FERMI

Bankston, John. Enrico Fermi and the Nuclear Reactor.

Examines the life of the Nobel Prize-winning Italian physicist who, among other achievements, developed the world's first nuclear reactor as part of the effort to create the first nuclear bomb.

B FLEMING

Bankston, John. Alexander Fleming and the Story of Penicillin.

A biography of the Scottish bacteriologist and Nobel Prize winner who discovered penicillin and its antibiotic properties.

B FLEMING

Birch, Beverley. Alexander Fleming: Pioneer with Antibiotics.

Recounts the life story of Alexander Fleming, his study of medicine and bacteriology, and his discovery of penicillin.

B FRANKLIN

Adler, David A. B. Franklin, Printer.

A biography of Benjamin Franklin which emphasizes his many talents as a printer, writer, scientist, inventor, and statesman.

B FRANKLIN

Fleming, Candace. Ben Franklin's Almanac: Being a True Account of the Good Gentleman's Life.

Brings together eighteenth century etchings, artifacts, and quotations to create the effect of a scrapbook of the life of Benjamin Franklin.

B FRANKLIN

Foster, Leila Merrell. Benjamin Franklin: Founding Father and Inventor.

Discusses the life of the multi-talented American who was a scientist and an inventor, a writer and a printer, as well as playing an influential role in the early history of the United States.

B FRANKLIN

Krensky, Stephen. Benjamin Franklin.

A biography of Benjamin Franklin that follows his life from birth, in 1706, to death, in 1790, and covers the work he did as an author, publisher, philosopher, scientist and diplomat as well as his contributions to the United States Constitution.

B FRANKLIN

Quackenbush, Robert M. Benjamin Franklin and his Friends.

Describes the life of Benjamin Franklin, inventor, statesman, printer, scientist, and reformer, through the friendships he made with people of all types.

B FRANKLIN

Randolph, Ryan P. Benjamin Franklin: Inventor, Writer, and Patriot.

Examines the life and times of American patriot Benjamin Franklin, born in 1706, discussing his achievements as a scientist, inventor, writer, postmaster general of the American colonies, advocate of independence, and mentor in the creation of the U.S. Constitution.

B FRANKLIN

Senker, Cath. Rosalind Franklin.

Describes the life and career of Rosalind Franklin, a British molecular biologist who played a vital role in the discovery of the structure of DNA.

B FREUD

Gogerly, Liz. Sigmund Freud.

A biography of the world-famous Austrian doctor who spent his life analyzing the mind and its illnesses.

B FULTON

Kroll, Steven. Robert Fulton: from Submarine to Steamboat.

Describes the life and work of the inventor who developed the steamboat and made it a commercial success.

B FULTON

Pierce, Morris A. Robert Fulton: and the Development of the Steamboat.

Examines the life and times of Robert Fulton, born in 1765, discussing his childhood in the colony of Pennsylvania, his training to be a silversmith, his pursuit of a career as an artist, and the discovery of his mechanical skills that led to his development of the steamboat.

B GALILEI

Boerst, William J. Galileo Galilei and the Science of Motion.

Presents the life and work of the famous sixteenth-century Italian astronomer and physicist.

B GALILEO

Mason, Paul. Galileo.

A biography of astronomer Galileo Galilei, who invented the first telescopes and clocks with pendulums, among many other devices still used in modern astronomy; and who came to the attention of the Inquisition for arguing that the Earth was not the center of the universe.

B GALILEO

Sís, Peter. Starry Messenger: a Book Depicting the Life of a Famous Scientist, Mathematician, Astronomer, Philosopher, Physicist, Galileo Galilei.

Describes the life and work of Galileo who changed the way people saw the galaxy, by offering objective evidence that the earth was not the fixed center of the universe.

B GALILEO

White, Michael. Galileo Galilei: Inventor, Astronomer, and Rebel.

Describes the life and work of the scientist who was persecuted by the Inquisition for his views of the universe.

B GUTENBERG

Pollard, Michael. Johann Gutenberg: Master of Modern Printing.

A career biography of fifteenth-century printer Johann Gutenberg, focusing on his development of the letterpress printing process.

B HEWLETT

Tracy, Kathleen. William Hewlett: Pioneer of the Computer Age.

Profiles William Hewlett, co-founder of the Hewlett Packard Company, which has been producing electronics equipment since 1939.

B KHUWARIZMI

Brezina, Corona. Al-Khwarizmi: the Inventor of Algebra.

A short biography of ninth-century Muslim astronomer, mathematician, and geographer al-Khwarizimi, who is credited with developing the basic elements of algebra.

B LATIMER

Norman, Winifred Latimer. Lewis Latimer

Discusses the inventor's career, life, and times.

B LEONARDO

Byrd, Robert. Leonardo, Beautiful Dreamer.

Illustrations and text portray the life of Leonardo da Vinci, who gained fame as a artist through such works as the Mona Lisa, and as a scientist by studying various subjects including human anatomy and flight.

B MARCONI

Birch, Beverley. Guglielmo Marconi: Radio Pioneer.

Describes the life and work of the Italian inventor, who was a pioneer in the development of the radio.

B MAYER

Ferry, Joseph. Maria Goeppert Mayer: Physicist.

A biography of Maria Goeppert Mayer, a physicist who contributed to the development of the atomic bomb and who, in 1963, was cowinner of the Nobel Prize in Physics for her work on the nuclear shell model theory.

B MCCORMICK

Aldrich, Lisa J. Cyrus McCormick and the Mechanical Reaper.

Profiles Cyrus Hall McCormick, whose hatred of farm work led him to invent a machine which made it much quicker and easier to harvest wheat, and which turned him into a multi-millionaire businessman.

B MCCOY

Towle, Wendy. The Real McCoy: the Life of an African-American Inventor.

A biography of the Canadian-born African-American who studied engineering in Scotland and patented over fifty inventions despite the obstacles he faced because of his race.

B MITCHELL

Anderson, Dale. Maria Mitchell: Astronomer.

Profiles a Vassar professor who was one of the most famous astronomers in the United States at the end of the nineteenth century and whose central message to her students was "never cease to wonder."

B PAINE

McCartin, Brian. Thomas Paine: Common Sense and Revolutionary Pamphleteering.

Examines the life and times of American patriot Thomas Paine, looking at how his activities as a pamphleteer in the 1770s inspired American colonists to fight for their freedom from Britain.

B PASTEUR

Alphin, Elaine Marie. Germ Hunter: a Story about Louis Pasteur.

Examines the life and achievements of nineteenth-century French scientist Louis Pasteur, discussing the great curiosity that led to his discoveries in the field of medicine.

B RICHTER

Zannos, Susan. Charles Richter and the Story of the Richter Scale.

A Biography of the American Scientist, Charles Richter, who developed a scale for measuring the intensity of earthquakes.

B SAGAN

Byman, Jeremy. Carl Sagan: in Contact with the Cosmos.

A biography of the scientist who brought his passion for astronomy to the public through his television appearances on the "Tonight Show," his television series "Cosmos," and the feature film "Contact."

B SALK

Durrett, Deanne. Jonas Salk.

Profiles the man who made his mark as developer of a polio vaccine, struggled to deal with the resultant fame, and emerged as a philosopher/scientist, writing and speaking about our responsibility for the future.

B SALK

Tocci, Salvatore. Jonas Salk: Creator of the Polio Vaccine.

A biography of the American doctor and medical researcher who helped to develop successful influenza and polio vaccines, then turned his attention to vaccines for cancer and AIDS prevention.

B TESLA

Dommermuth-Costa, Carol. Nikola Tesla: a Spark of Genius.

Text and photographs recount the life of scientist Nikola Tesla who developed the technology that harnessed alternating-current electricity.

B WAKSMAN

Gordon, Karen. Selman Waksman and the Discovery of Streptomycin.

Describes the life and career of Selman Waksman, the microbiologist and chemist who discovered streptomycin and first coined the term antibiotic."

B WATT

Sproule, Anna. James Watt: Master of the Steam Engine

A biography of the eighteenth-century Scottish inventor and engineer whose improved designs of the steam engine made its wide use possible.

B WRIGHT

Ryan, Bernard. The Wright Brothers: Inventors of the Airplane.

Examines the lives of Orville and Wilbur Wright, discussing their family and early endeavors, and telling the story of how they pursued their dream of building a flying machine.

COLLECTED BIOGRAPHIES

920 AND

Anderson, Margaret J. Scientists of the Ancient World.

Discusses the lives and contributions of ten influential scholars from the early years of scientific research, including Pythagoras, Archimedes, and Pliny.

920 BEL

Bell, Eric Temple. Men of Mathematics.

A collection of biographies describing the lives and achievements of twenty-nine mathematicians. Includes Zeno, Descartes, Fermat, Pascal, Newton, and Leibniz.

920 BUR

Burleigh, Robert. Into the Air: the Story of the Wright Brothers' First Flight.

Presents the Wright brothers' story in comic book format, chronicling Orville and Wilbur's unsuccessful flying attempts and ultimate success at Kitty Hawk in 1903.

920 COL

Collins, Mary. Airborne: a Photobiography of Wilbur and Orville Wright.

Examines the lives of the Wright brothers and discusses their experiments and triumphs in the field of flight.

920 HAC

Hacker, Carlotta. Nobel Prize Winners.

Chronicles the lives and achievements of six women who have received Nobel Prizes in a variety of fields, including Aung San Suu Kyi, Barbara McClintock, and Nadine Gordimer.

920 HEN

Henderson, Susan K. African-American Inventors.

Brief biographical profiles of five African-American inventors: Bill Becoat, George Carruthers, Meredith Gourdine, Jesse Hoagland, and Wanda Sigur.

920 HEN

Henderson, Susan K. African-American Inventors.

Brief biographical profiles of five African-American inventors: Patricia Bath, Philip Emeagwali, Henry Sampson, Valerie Thomas, and Peter Tolliver.

920 HUD

Hudson, Wade. Scientists, Healers, and Inventors: an Introduction for Young Readers.

Profiles more than forty African Americans who have made contributions to science, medicine and inventing in the past two hundred and fifty years.

920 HUN

Hunter, Shaun. Leaders in Medicine.

Chronicles the lives and achievements of pioneering women in medicine, including cardiologist Helen Brook Taussig, pathologist Alice Hamilton, psychoanalyst Anna Freud, and medical researcher Florence Sabin.

920 KOZ

Kozar, Richard. Inventors and their Discoveries.

Highlights twenty-five notable achievements in science, medicine, and industry and the individuals responsible, including Alexander Graham Bell, Madame Curie, and Samuel F. B. Morse.

920 MAR

Martin, Michael J. The Wright brothers. San Diego : Detroit : Lucent Books ; Thomson/Gale, c2003. Chronicles the lives of Orville and Wilbur Wright, describing their family life, their road to fame as the world's first pilots, and their important role in history. Includes many quotations from primary and secondary sources; a chronology; and an annotated bibliography.

920 MCP

McPherson, Stephanie Sammartino. Wilbur & Orville Wright: Taking Flight.

A biography of the brothers who, in 1903, made the first powered, controlled flight in an airplane.

920 NOR

Northrup, Mary. American Computer Pioneers.

Profiles some of the people who have made contributions to the computer industry including Herman Hollerith, John von Neumann, Grace Hopper, John W. Mauchly, J. Presper Eckert, Jr., and An Wang.

920 OSE

Osen, Lynn M. Women in Mathematics.

Hypatia, Emilie de Breteuil, Marquise du Châtelet, Caroline Herschel, Sophie Germain, Mary Fairfax Somerville, Sonya Corvin-Krukovsky Kovalevsky, Emmy (Amalie) Noether.

920 STI

Stille, Darlene R. Extraordinary Women of Medicine.

Presents biographical sketches highlighting the contributions of women, mostly American, to the field of medicine in the nineteenth and twentieth centuries.

920 SUL

Sullivan, Otha Richard. African American Inventors

Profiles the lives of twenty-five African-American inventors who made significant scientific contributions from the eighteenth century to modern times.

920 THI

Thimmesh, Catherine. Girls Think of Everything: Stories of Ingenious Inventions by Women.

Tells the story of how women throughout the ages have responded to situations confronting them in daily life by inventing such items as correction fluid, space helmets, and disposable diapers.

920 TIN

Tiner, John Hudson. 100 Scientists who Changed the World.

Brief biographies of 100 scientists, from ancient Greece to the present day, who have made significant contributions to our understanding of the world around us.