Pierre Curie

Learn about the great scientist Marie Curie as she advanced the study of radioactivity. You'll read about her life, the science behind her studies, and the impact of her work on the world today.
*Includes pictures *Includes Pierre's quotes about life and science *Includes online resources and a bibliography for further reading "Is it right to probe so deeply into Nature's secrets? The question must here be raised whether it will benefit mankind, or whether the knowledge will be harmful." - Pierre Curie The Curie name is without question a household name in the world of science, and even those unfamiliar with radiation have heard of Marie, the matriarch of the prodigious family, and the multiple glass ceilings she shattered with her literally radioactive findings. While this recognition is certainly well-deserved, many have neglected to acknowledge the momentous contributions made by her colleague and husband, Pierre. The fact Pierre has mostly been forgotten is the textbook definition of irony, because even the most enlightened minds of the early 20th century were stunted by a narrow, patriarchal mindset, forcing Marie to confront obstacles and tribulations that were unique solely to her as a scientist solely on account of gender. As such, some of her most groundbreaking moments would feature Pierre receiving the credit or giving the commemorative speech. It would be long after his death that his wife managed to ultimately cement her legacy as one of the greatest scientists of all time. While their respective positions have changed over time, Pierre's personal discoveries continue to live on in a variety of vessels, from the ticking quartz watch on one's wrist to motors and engines, and even military-grade ultrasonic devices. Pierre Curie: The Life and Legacy of the Legendary Scientist examines the life and career that made him one of the world's foremost scientists of his time. Along with pictures of important people, places, and events, you will learn about Pierre Curie like never before.
Marie Curie is the only woman ever to have received two Nobel prizes: the Nobel Prize for Physics in 1903, shared with her husband, Pierre Curie, and the Nobel Prize for Chemistry for her work with polonium and radium in 1911. She was also the first woman ever to teach at the Sorbonne. This inspired comic is set at the time she received her second Nobel Prize, when a vicious press campaign was launched against her, denouncing her affair with the physician Paul Langevin. Through her flash-backs, we're invited to witness the key moments of this exceptional woman's life and work.
A prismatic look at the meeting of Marie Curie and Albert Einstein and the impact these two pillars of science had on the world of physics, which was in turmoil. In 1911, some of the greatest minds in science convened at the First Solvay Conference in Physics, a meeting like no other. Almost half of the attendees had won or would go on to win the Nobel Prize. Over the course of those few days, these minds began to realize that classical physics was about to give way to quantum theory, a seismic shift in our history and how we understand not just our world, but the universe. At the center of this meeting were Marie Curie and a young Albert Einstein. In the years preceding, Curie had faced the death of her husband and soul mate, Pierre. She was on the cusp of being awarded her second Nobel Prize, but scandal erupted all around her when the French press revealed that she was having an affair with a fellow scientist, Paul Langevin. The subject of vicious misogynist and xenophobic attacks in the French press, Curie found herself in a storm that threatened her scientific legacy. Albert Einstein proved an supporter in her travails. They had an instant connection at Solvay. He was young and already showing flourishes of his enormous genius. Curie had been responsible for one of the greatest discoveries in modern science (radioactivity) but still faced resistance and scorn. Einstein recognized this grave injustice, and their mutual admiration and respect, borne out of this, their first meeting, would go on to serve them in their paths forward to making history. Curie and Einstein come alive as the complex people they were in the pages of The Soul of Genius. Utilizing never before seen correspondance and notes, Jeffrey Orens reveals the human side of these brilliant scientists, one who pushed boundaries and demanded equality in a man’s world, no matter the cost, and the other, who was destined to become synonymous with genius.
Marie and Pierre Curie
Marie Sklodowska Curie
Radioactive
Who Was Marie Curie?
Pierre Curie, by Marie Curie
Marie Curie, renowned for her work on radioactivity, was the first woman to win a Nobel Prize, the first person to win in two fields (chemistry and physics), and the first woman to hold a chair position at the Sorbonne. Marie Curie for Kids details Curie's remarkable life, from her childhood under a repressive czar in Poland to her tireless work supporting herself through college to meeting her ideal match in scientist Pierre Curie to her revolutionary research. Kids learn how Curie quietly flouted societal norms, working in full partnership with her husband while also teaching and raising two daughters. Scientific concepts are presented in a clear, accessible way, and a range of activities—from making Polish pierogies to exploring magnetism to using electrolysis to split water—allow for exploration of Curie's life, times, and work.

The bestselling, "excellent…poignant—and scientifically lucid—portrait" (New York Times Book Review) of the remarkable Marie Curie. Through family interviews, diaries, letters, and workbooks that had been sealed for over sixty years, Barbara Goldsmith reveals the Marie Curie behind the myth—an all-too-human woman struggling to balance a spectacular scientific career, a demanding family, the prejudice of society, and her own passionate nature. Obsessive Genius is a dazzling portrait of Curie, her amazing scientific success, and the price she paid for fame.

As part of an online supplement to the television series "Stephen Hawking's Universe," the Public Broadcasting Service (PBS) provides a biographical sketch about French chemists Marie Curie (1867-1934) and her husband Pierre Curie (1859-1906). Pierre and Marie Curie were awarded the 1903 Nobel prize for physics for work on radioactivity. Marie Curie discovered polonium and radium, and was awarded the 1911 Nobel prize for chemistry for the discovery and isolation of pure radium. A sketch of Marie Curie is available.

Marie, a poor girl marries Pierre a physicist. With little money and no equipment Marie and Pierre still made their significant contributions to science.

Biopic Marie Curie - Volume 1 - The Radium Fairy

Obsessive Genius: The Inner World of Marie Curie (Great Discoveries)

Marie Curie for Kids

With the Autobiographical Notes of Marie Curie

The Life and Legacy of the Legendary Scientist

Marie and Pierre Curie were essential figures in furthering the study of radioactivity. The pair discovered two new elements, which they named polonium and radium, leading to huge breakthroughs in the process of using X-rays. This book provides biographical information about the Curies' life before and during their studies. Full-color and historical photographs help readers learn the STEM concepts associated with radioactivity, and the ways in which it has been used throughout history.

Examines the life of the Polish-born scientist who, with her husband Pierre, was awarded a 1903 Nobel Prize for discovering radium.

** Our summary is short, simple and pragmatic. It allows you to have the essential ideas of a big book in less than 30 minutes. By reading this summary, you will discover the story of the first world-renowned woman scientist: Marie Curie. You will also discover : the first years of her life in Poland; how her vocation for science was born; the difficulties she had to overcome to come to Paris; how she met Pierre Curie; under what conditions she discovered radium, which will help to cure cancer. *Buy now the summary of this book for the modest price of a cup of coffee!*

Marie Curie was long idealized as a selfless and dedicated scientist, not entirely of this world. But Quinn's Marie Curie is, on the contrary, a woman of passion — born in Warsaw under the repressive regime of the Russian czars, outspokenly committed to the cause of a free Poland, deeply in love with her husband Pierre but also, after his tragic death, capable of loving a second time and of standing up against the cruel, xenophobic attacks which resulted from that love. This biography gives a full and lucid account of Marie and Pierre Curie's scientific discoveries, placing them within the revelatory discoveries of the age. At the same time, it provides a vivid account of Marie Curie's practical genius: the X-Ray mobiles she created to save French soldiers' lives during World War I, as well as her remarkable ability to raise funds and create a laboratory that drew researchers to Paris from all over the world. It is a story which transforms Marie Curie from an bloodless icon into a woman of passion and courage. "Quinn's portrait of Curie is rich and captivating. Quinn strives to peel back... layers of myth and idealization that have grown up around the physicist... She succeeds beautifully. Quinn has written a worthy successor to her previous work, the award-winning biography of American psychiatrist Karen Horney." — Washington Post Book World (page 1) "A touching, three-dimensional portrait of the Polish-born scientist and two-time Nobel Prize winner." — Kirkus "I've read many biographies of Marie Curie and Susan Quinn's is magnificent. It's so complete and so evocative that I can't imagine anyone coming away from reading it without feeling they actually know Marie Curie." — Alan Alda "Quinn portrays a woman who was both independent and ambitious, in a society that was unprepared for either. The result is a fresh, powerful new biography of a very human Marie Curie... This is an exemplary work, rich in the details and connections that bring a person and her era to life. It is certain to be this generations' definitive biography of Marie Curie." — Science "Quinn breaks ground in her detailed description, drawn from newly available papers, of Marie's life after Pierre's accidental death in 1906. At first so grief-stricken she neglected her two daughters, Irene and Eve, Marie later had a love affair with French scientist Paul Langevin. Because Langevin was married, Marie was vilified by the French press and was almost denied the 1911 Nobel Prize for chemistry." —Publishers Weekly "Susan Quinn's excellent biography gives a lucid account of Curie's contribution to our understanding of 'things'... but Quinn also draws on new material to paint a more rounded and attractive picture of Curie the person... For Marie, the enchantment of her science never waned, and it is this enchantment which Quinn's biography communicates so well." — London Observer

Pioneering Physicist

The Pierre Curie Handbook - Everything You Need to Know about Pierre Curie

Marie Curie and Her Daughters

Pierre Curie--Biography

The Curies' Research with Radiation

Marie and Pierre Curie were pioneers in the study of radioactivity, achieving world renown for their Nobel prize-winning discovery of radium and polonium. This biographical introduction to the couple describes the Curies' lives, their research, their marriage and Marie's controversial final years.

Born in Warsaw, Poland, on November 7, 1867, Marie Curie was forbidden to attend the male-only University of Warsaw, so she enrolled at the Sorbonne in Paris to study physics and mathematics. There she met a professor named Pierre Curie, and the two soon married, forming one of the most famous scientific partnerships in history. Together they discovered two elements and won a Nobel Prize in 1903. (Later Marie won another Nobel award for chemistry in 1911.) She died in Savoy, France, on July 4, 1934, a victim of many years of exposure to toxic radiation.

Intimate memoir of the Nobel laureate, written by his wife and lab partner, analyzes the nature and significance of the Curies' experiments. In addition, the author reconstructs her own work with radiation.

This book is your ultimate Pierre Curie resource. Here you will find the most up-to-date information, facts, quotes and much more. In easy to read chapters, with extensive references and links to get you to know all there is to know about Pierre Curie's whole picture right away. Get countless Pierre Curie facts right at your fingertips with this essential resource. The Pierre Curie Handbook is the single and largest Pierre Curie reference book. This compendium of information is the authoritative source for all your entertainment, reference, and learning needs. It will be your go-to source for any Pierre Curie questions. A mind-tickling encyclopedia on Pierre Curie, a treat in its entirety and an oasis of learning about what you don't yet know...but are glad you found. The Pierre Curie Handbook will answer all of your needs, and much more.

Marie Curie

A Radiant Affair

A Biography

The Private Lives of Science's First Family

Scientist

Maria Sklodowska was a Polish girl who wanted a proper education. She changed her name to and went to university in France. She met and married Pierre Curie and began to work with radioactivity. Marie Curie became the first woman to win a Nobel Prize and the first person to win two Nobel Prizes. Hers was a life filled with firsts. Find out more about this discoverer of radium in this short 15-minute children's biography. Ages 10 and up. Reading Level: 6.9 LearningIsland.com believes in the value of children practicing reading for 15 minutes every day. Our 15-Minute Books give children lots of fun, exciting choices to read, from classic stories, to mysteries, to books of knowledge. Many books are appropriate for hi-lo readers. Open the world of reading to a child by having them read for 15 minutes a day.

Two-time Nobel Prize winner Marie Curie did more to promote women in science than perhaps any other person. Her story is one of determination. Curie studied "illegally" at Warsaw University before attending the Sorbonne in France, graduating at the top of her class. She met Pierre, a brilliant scientist, by chance. After they were married, they worked side by side, leading to the discoveries of polonium and radium as well as many other crucial scientific finds. Their pioneering work is detailed in this accessible volume full of photographs and quotes that bring the personalities of these two scientists to life.

History and fiction intertwine in this untold tale of Marie Curie's love affair with physicist Paul Langevin, as seen through the eyes of Marie's favorite graduate student, George Fournier. Intertwined in the plot, set in Paris of the early 1900s, is Fournier's youthful infatuation with the young Marie. In his memoir, George Fournier recalls meeting the young and beautiful Marie on her arrival as a new instructor at the Sevres Lycee, where he was a student. A few years later, George does well on his final exams in physics at the University of Paris, and the now widowed Marie Curie accepts him as a graduate student in her laboratory. One day, George sees Marie scurrying to a small apartment with Paul Langevin, a brilliant young physicist who is married. An intruder into the Curie-Langevin love nest steals Marie's letters to Paul and has them published in the Parisian press. Langevin's wife, Jeanne, threatens Marie with violence and aggressively attempts to break up the love affair that jeopardizes her marriage and the security of their four young children. In an attempt to provide Madame Curie with protection, Professor Jean Perrin, a long-time friend of the Curies, asks George Fournier to become Marie Curie's confidential protector, a role placing the love-struck George in a close yet secretive relationship with Marie. As far as possible, details of Marie Curie's life and relationships, as well as information on the other major characters are historically accurate.

Marie Sklodowska Curie (1867–1934) was the first woman scientist to win worldwide acclaim and was, indeed, one of the great scientists of the twentieth century. Written by Curie's daughter, the renowned international activist Eve Curie, this biography chronicles Curie's legendary achievements in science, including her pioneering efforts in the study of radioactivity and her two Nobel Prizes in Physics and Chemistry. It also spotlights her remarkable life, from her childhood in Poland, to her storybook Parisian marriage to fellow scientist Pierre Curie, to her tragic death from the very radium that brought her fame.

With Autobiographical Notes of Marie Curie

Marie Curie Advances the Study of Radioactivity

Mother of Modern Physics
The Couple Who Pioneered Radioactivity Research
Marie Curie, Albert Einstein, and the Meeting that Changed the Course of Science

The Nobel Foundation presents a biographical sketch of French chemist Pierre Curie (1859-1906). Pierre and Marie Curie were awarded the 1903 Nobel prize for physics for work on radioactivity. The foundation highlights Pierre Curie's education, and his research and experiments on crystallography, magnetism, and radioactive substances.

In her intensely researched, inventively drawn exploration of Marie Curie's life, artist Alice Milani follows the celebrated Polish scientist from Curie's time as a struggling governess to her years in France making breakthrough discoveries. Curie was the first woman to win a Nobel Prize and the only person to win a Nobel Prize in two different sciences. With skill and care, Milani traces Curie's flight from Russia-controlled Poland, her romance with fellow scientist Pierre Curie, and Marie and Pierre's stunning discoveries of the elements radium and polonium. Throughout this distinctive graphic work, Curie defies doubt and double standards to make an enduring impact on the scientific world.

Pierre and Marie Curie made a terrific scientific team. They coined the term "radioactivity" and discovered two new radioactive elements: radium and polonium. Through engaging yet accessible text, readers will follow them as they grow up in loving families dedicated to education, develop into budding scientists, get married, and launch their lab. Students will learn about the Curies' hardships and triumphs and explore how scientific discovery builds upon itself and other scientists into the future. Detailed diagrams and informative sidebars help simplify the details of important scientific concepts, such as piezoelectricity, radioactivity, and Becquerel rays.

A new portrait of the two-time Nobel winner and her two daughters Focusing on the first family in science, this biography of Marie Curie plumbs the recesses of her relationships with her two daughters, extraordinary in their own right, and presents the legendary scientist to us in a fresh way. Although the common image is that of a shy introvert toiling away in her laboratory, highly praised science writer Shelley Emling shows how Marie Curie was nothing short of an iconoclast. Her affair with a younger and married man drew the enmity of a xenophobic French establishment, who denied her entry to the Academy of Sciences and tried to expel her from France. But she was determined to live life how she saw fit, and passed on her resilience to her daughters. Emling draws on personal letters released by Curie's only granddaughter to show how Marie influenced her daughters yet let them blaze their own paths. Irene followed her mother's footsteps into science and was instrumental in the discovery of nuclear fission. Eve traveled the world as a foreign correspondent and then moved on to humanitarian missions. Emling also shows how Curie, following World War I, turned to America for help. Few people know about Curie's close friendship with American journalist Missy Meloney, who arranged speaking tours across the country for Marie and Eve and Irene. Months on the road, charming audiences both large and small, endeared the Curies to American women and established a lifelong relationship with the United States that formed one of the strongest connections of Marie's life. Without the financial support of American women, Marie might not have been able to go on with her research. Continuing the family story into the third generation, Emling also interviews Marie Curie's granddaughter Helene Joliot-Curie, who is an accomplished physicist in her own right. She reveals why her grandmother was a lot more than just a scientist and how Marie's trips to America forever changed her. Factually rich, personal and original, this is an engrossing story about the most famous woman in science that rips the cover off the myth and reveals the real person, friend, and mother behind it.

A 15-Minute Biography
Recherches Sur Les Substances Radioactives, a Bio-bibliographical Study
Honesty in Science
The Secret Life of Marie Curie
And the Science of Radioactivity

Keen to learn but short on time? Get to grips with the life and career of Marie Curie in next to no time with this concise guide. 50Minutes.com provides a clear and engaging analysis of the life and work of Marie Curie, whose pioneering work on radioactivity revolutionised our understanding of the nature of matter and paved the way for innovative new treatments of cancer and various other illnesses. With Nobel Prizes in physics (1903) and chemistry (1911), Curie overcame both sexism in the overwhelmingly male scientific world and xenophobia after moving to France from her native Poland to carve out a place for herself at the forefront of scientific research. Her tenacity, intellectual brilliance and determination to use her discoveries to develop new medical treatments through the Radium Institute make her a role model for individuals of all nationalities, genders and walks of life. In just 50 minutes you will: • Learn about Curie’s groundbreaking work on radioactivity and its applications • Gain an understanding of the historical, social and scientific context in which she was working • Discover her incredible legacy as both a pioneering scientist and a woman in a male-dominated field ABOUT 50MINUTES.COM | History & Culture 50MINUTES.COM will enable you to quickly understand the main events, people, conflicts and discoveries from world history that have shaped the world we live in today. Our publications present the key information on a wide variety of topics in a quick and accessible way that is guaranteed to save you time on your journey of discovery.

In 1891, 24 year old Marie, née Marya Sklodowska, moved from Warsaw to Paris, where she found work in the laboratory of Pierre Curie, a scientist engaged in research on heat and

magnetism. They fell in love. They took their honeymoon on bicycles. They expanded the periodic table, discovering two new elements with startling properties, radium and polonium. They recognized radioactivity as an atomic property, heralding the dawn of a new scientific era. They won the Nobel Prize. Newspapers mythologized the couple's romance, beginning articles on the Curies with "Once upon a time . . . " Then, in 1906, Pierre was killed in a freak accident. Marie continued their work alone. She won a second Nobel Prize in 1911, and fell in love again, this time with the married physicist Paul Langevin. Scandal ensued. Duels were fought. In the century since the Curies began their work, we've struggled with nuclear weapons proliferation, debated the role of radiation in medical treatment, and pondered nuclear energy as a solution to climate change. In Radioactive, Lauren Redniss links these contentious questions to a love story in 19th Century Paris. Radioactive draws on Redniss's original reporting in Asia, Europe and the United States, her interviews with scientists, engineers, weapons specialists, atomic bomb survivors, and Marie and Pierre Curie's own granddaughter. Whether young or old, scientific novice or expert, no one will fail to be moved by Lauren Redniss's eerie and wondrous evocation of one of history's most intriguing figures.

A biography of the scientist and Nobel Prize winner Marie Curie explores both Curie's personal and professional life.

Traces the life and work of the Polish-born scientist whose study of radioactivity lead to her receiving two Nobel Prizes.

Pierre Curie

Marie & Pierre Curie: A Tale of Love and Fallout

Marie Curie: A Life

SUMMARY - Madame Curie: A Biography By Eve Curie

Her Life and Scientific Discoveries, with 21 Activities and Experiments

Marie Curie's work in radioactivity changed the way scientists think about matter and energy and led to advancements in the treatment of disease. With her fellow scientist and husband, Pierre Curie, she searched for the source of radioactivity and discovered two elements, radium and polonium. They shared the 1903 Nobel Prize, the world's highest science award, for their discovery.

At a moment of great discovery, one Big Idea can change the world... Marie Curie had one of the finest scientific minds of the twentieth century, overturning established ideas in both physics and chemistry. She had an equally profound effect in the social arena, challenging the commonly held belief that women were intellectually inferior to men. Her work influenced current cancer research and her exploration of radioactivity was groundbreaking. Curie & Radioactivity tells the captivating story of Curie's early life in which she worked as a governess to support her sister during medical school, through to her later life, as the first person ever honoured with Nobel Prizes in two different sciences. Her untimely death from cancer, due to overexposure to radium, marked the end of an exceptional career of a woman who was ahead of her time and never far from controversy. The Big Idea: Curie & Radioactivity is accessible and absorbing, placing Curie's remarkable life in the context of the times and rendering the essence of her unprecedented discoveries in a form comprehensible even to non-scientists. The Big Idea series is a fascinating look at the greatest advances in our scientific history, and at the men and women who made these fundamental breakthroughs.

Professional biographer Carl Rollyson has pioneered a new kind of biography for children and adults alike. His narrative of "Marie Curie's" life is rendered in simple, precise prose, but he also includes material addressed to adults--especially to parents who wish some guidance in discussing what their children read. This home schooling biography also includes a timeline, sources for further study, a glossary, and an index. Vivid quotations from those who knew "Marie Curie" as well as a "points to ponder" section in each chapter are designed to provoke further discussion and research into the life and career of one of the century's greatest scientists and--as Rollyson shows--one of the most important figures in human history. At a time when the ethics of science and of scientists has been called into question, Rollyson's searching examination of Madame Curie's methods and morality makes this a sharply focused and challenging biography. The "Marie Curie" that emerges from this account is a woman of great integrity and self-discipline, acutely conscious of her historic role, keenly devoted to protecting her private life, and yet willing to shape her personality to the public roles demanded of her.

Two-time winner of the Nobel Prize and acclaimed scientist Marie Curie contributed much to society in her lifetime. This informative volume shows readers how the work she did while she was alive still influences the world today. Colorful photographs, illuminating sidebars, and engaging text tell the story of Curie's life and work in a way that will excite and hold the attention of readers of many ages and levels. A fun science project based on the type of work Curie did will also give readers a feel for what she did and perhaps get them more interested in science themselves.

Pierre and Marie Curie

A Life of Discovery

The Pioneer of Radioactivity

The Soul of Genius
With Autobiographical Notes by Marie Curie