Adas Ideas The Story Of Ada Lovelace The Worlds First Computer Programmer

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Building Race Cars - Samantha S. Bell 2017-08-01
Explores the engineering challenges behind building race cars, as well as the creative solutions found to overcome those challenges. Accessible text, vibrant photos, and an engineering activity for readers provide a well-rounded introduction to the engineering process.
Mobituaries - Mo Rocca 2021-11-02
From popular TV correspondent and writer Rocca comes a charmingly irreverent and rigorously researched book that celebrates the dead people who made life worth living.
It All Adds Up: The Story of People and Mathematics - Mickael Launay 2018-11-01
'Fascinating ... so enlightening that suddenly maths doesn't seem so fearsome as it once did' SIMON WINCHESTER From Aristotle to Ada Lovelace: a brief history of the mathematical ideas that have forever changed the world and the everyday people and pioneers behind them. The story of our best invention yet.
Ada and the Engine - Lauren Gunderson 2018-06-18
As the British Industrial Revolution dawns, young Ada Byron Lovelace (daughter of the flamboyant and notorious Lord Byron) sees the

boundless creative potential in the "analytic engines" of her friend and soul mate Charles Babbage, inventor of the first mechanical computer. Ada envisions a whole new world where art and information converge—a world she might not live to see. A music-laced story of love, friendship, and the edgiest dreams of the future. Jane Austen meets Steve Jobs in this poignant pre-tech romance heralding the computer age.
I, ADA - Julia GRAY 2020
The early life of Ada Lovelace, the 19th-century mathematician who is considered by many to be the world's first computer programmer. Ada Byron is rich and clever, but she longs to be free. Free to explore all the amazing ideas that come to her imagination, like flying mechanical horses and stories inspired by her travels. Free to find love and passion beyond the watchful gaze of her mother and governesses. And free to learn the full truth about her father, the notorious Lord Byron. Then Ada meets a man whose invention might just change the world - and he needs her visionary brilliance to bring it to life . . . A wonderfully witty and poignant portrayal of the young life of Ada Lovelace, the 19th-century mathematician who is hailed as the world's first computer programmer.
Jacquard's Web - James Essinger 2007-03-29

Traces the 200-year evolution of the principles of Jacquard's knitting machines to the information revolution of the twentieth century and the desk-top computer of today. --From cover (p. 4).

Goth Girl and the Ghost of a Mouse - Chris Riddell 2014-10-09
Chris Riddell's Goth Girl and the Ghost of a Mouse is the beautifully illustrated winner of the Costa Children's Book Award. Full of adventure and dark humour, it's perfect for all young Goths! Ada Goth is the only child of Lord Goth. The two live together in the enormous Ghastly-Gorm Hall. Lord Goth believes that children should be heard and not seen, so Ada has to wear large clumpy boots so that he can always hear her coming. This makes it hard for her to make friends and, if she's honest, she's rather lonely. Then one day William and Emily Cabbage come to stay at the house and, together with a ghostly mouse called Ishmael, the three children begin to unravel a dastardly plot that Maltravers, the mysterious indoor gamekeeper, is hatching. Ada and her friends must work together to foil Maltravers before it's too late! Continue this deliciously dark series with Goth Girl and the Fete Worse Than Death and Goth Girl and the Wuthering Fright.

Ada Lovelace - Amy Hayes 2016-07-15
Inside this volume, readers learn about the life of the first computer programmer, Ada Lovelace. This book covers Lovelace's early childhood, as the highly intelligent and inquisitive daughter of famous poet Lord Byron, as well as her forays into developing the first computer program—over a hundred years before computers as we know them were in use. Readers will learn how Lovelace's work set the stage for other computer pioneers and how it still impacts us today. This engaging biography pairs information-rich text with vivid artwork to give readers a firm grasp on Lovelace's life and legacy. Sidebars and a timeline provide additional information. This biography is an excellent supplement to both STEM instruction and history curricula.

Lady Byron and Her Daughters - Julia Markus 2015-10-13
A startling reevaluation of Lady Byron's marriage and the untold story of her complex life as single mother and progressive force. The center of public attention after her tumultuous marriage to Lord Byron, Annabella

Milbanke transformed herself from a neglected wife into a figure of incredible resilience and social vision. After she and her infant child were cast out of their home, she was left to navigate the stifling and unsupportive social environment of Regency England. Far from a victim or an obstacle to Byron's work, however, Lady Byron was a rebel against the fashionable snobbery of her class, founding the first Infants School and Co-Operative School in England. A poet and talented mathematician, Lady Byron supported the education of her precocious daughter, Ada Lovelace, now recognized and lauded as a pioneer of computer science, and saved from death her "adoptive daughter" Medora Leigh, the child of Lord Byron's incest with his sister. Lady Byron was adored by the younger abolitionist Harriet Beecher Stowe and by many notable friends. Yet her complex relationships with her family, including the sister Byron loved, runs like a live wire through this skillfully told and groundbreaking biography of a remarkable woman who made a life for herself and became a leading light in her century.

Ada Byron Lovelace and the Thinking Machine - Laurie Wallmark 2015
Offers an illustrated telling of the story of Ada Byron Lovelace, from her early creative fascination with mathematics and science and her devastating bout with measles, to the ground-breaking algorithm she wrote for Charles Babbage's analytical engine.

Ara the Star Engineer - Komal Singh 2018-10-16
This is a STEM book and more! An inspiring, inclusive, whimsical way to learn about computers and technology from real-life trailblazers. Ara is a young girl who loves BIG numbers. She wants to count all the stars in the sky... but how? This is an upbeat adventure of Ara and her sidekick droid, DeeDee ("Beep!"). They use smarts and grit to solve a BIG problem and discover an amazing algorithm! A quest that takes them through a whirlwind of intriguing locations at Innovation Plex -- Data Centre, Ideas Lab, Coding Pods, and X-Space. Along the way, they encounter real-life women tech trailblazers of diverse backgrounds, including a Tenacious Troubleshooter, an Intrepid Innovator, a Code Commander, and a Prolific Problem Solver. They tinker-and-tailor, build-

and-fail, launch-and-iterate, and in the end discover an amazing algorithm of success -- coding, courage, creativity, and collaboration ("Beeeeep!"). Read the book, download hands-on activities, follow further learning resources. Experience the story in immersive ways never done before... coming soon! Ara is making a splash with industry CEOs and best-selling kids authors. "'If she can see it, she can be it.' With this story, girls can see leaders and be inspired to become one. A book for all ages and genders!" - Geena Davis, Founder and Chair, Geena Davis Institute on Gender in Media

Dreaming in Code: Ada Byron Lovelace, Computer Pioneer - Emily Arnold McCully 2019-03-12

This illuminating biography reveals how the daughter of Lord Byron, Britain's most infamous Romantic poet, became the world's first computer programmer. Even by 1800s standards, Ada Byron Lovelace had an unusual upbringing. Her strict mother worked hard at cultivating her own role as the long-suffering ex-wife of bad-boy poet Lord Byron while raising Ada in isolation. Tutored by the brightest minds, Ada developed a hunger for mental puzzles, mathematical conundrums, and scientific discovery that kept pace with the breathtaking advances of the industrial and social revolutions taking place in Europe. At seventeen, Ada met eccentric inventor Charles Babbage, a kindred spirit. Their ensuing collaborations resulted in ideas and concepts that presaged computer programming by almost two hundred years, and Ada Lovelace is now recognized as a pioneer and prophet of the information age. Award-winning author Emily Arnold McCully opens the window on a peculiar and singular intellect, shaped — and hampered — by history, social norms, and family dysfunction. The result is a portrait that is at once remarkable and fascinating, tragic and triumphant.

Ada's Algorithm - James Essinger 2014-10-14

"[Ada Lovelace], like Steve Jobs, stands at the intersection of arts and technology."—Walter Isaacson, author of The Innovators Over 150 years after her death, a widely-used scientific computer program was named "Ada," after Ada Lovelace, the only legitimate daughter of the eighteenth century's version of a rock star, Lord Byron. Why? Because, after computer pioneers such as Alan Turing began to rediscover her, it slowly became apparent that she had been a key but overlooked figure in the invention of the computer. In Ada Lovelace, James Essinger makes the case that the computer age could have started two centuries ago if Lovelace's contemporaries had recognized her research and fully grasped its implications. It's a remarkable tale, starting with the outrageous behavior of her father, which made Ada instantly famous upon birth. Ada would go on to overcome numerous obstacles to obtain a level of education typically forbidden to women of her day. She would eventually join forces with Charles Babbage, generally credited with inventing the computer, although as Essinger makes clear, Babbage couldn't have done it without Lovelace. Indeed, Lovelace wrote what is today considered the world's first computer program—despite opposition that the principles of science were "beyond the strength of a woman's physical power of application." Based on ten years of research and filled with fascinating characters and observations of the period, not to mention numerous illustrations, Essinger tells Ada's fascinating story in unprecedented detail to absorbing and inspiring effect.

Ada Lovelace - Christopher Hollings 2018

Ada, Countess of Lovelace (1815-1852), daughter of romantic poet Lord Byron and his highly educated wife, Anne Isabella, is sometimes called the world's first computer programmer and has become an icon for women in technology. But how did a young woman in the nineteenth century, without access to formal school or university education, acquire the knowledge and expertise to become a pioneer of computer science?Although an unusual pursuit for women at the time, Ada Lovelace studied science and mathematics from a young age. This book uses previously unpublished archival material to explore her precocious childhood, from her ideas for a steam-powered flying horse to penetrating questions about the science of rainbows. A remarkable correspondence course with the eminent mathematician Augustus De Morgan shows her developing into a gifted, perceptive and knowledgeable mathematician. Active in Victorian London's social and scientific elite alongside Mary Somerville, Michael Faraday and Charles

Dickens, Ada Lovelace became fascinated by the computing machines devised by Charles Babbage. The table of mathematical formulae sometimes called the 'first programme' occurs in her paper about his most ambitious invention, his unbuilt 'Analytical Engine'.Ada Lovelace died at just thirty-six, but her paper still strikes a chord to this day, with clear explanations of the principles of computing, and broader ideas on computer music and artificial intelligence now realised in modern digital computers. Featuring images of the 'first programme' and Lovelace's correspondence, alongside mathematical models, and contemporary illustrations, this book shows how Ada Lovelace, with astonishing prescience, explored key mathematical questions to understand the principles behind modern computing.

Little People, BIG DREAMS: Women in Science - Maria Isabel Sanchez Vegara 2018-10-04
Women in Science boxed set includes Marie Curie, Ada Lovelace and Amelia Earhart

Ada Lovelace - Isabel Sanchez Vegara 2018-02-21
Meet Ada Lovelace, the British mathematician and daughter of poet Lord Byron. Part of the beloved Little People, BIG DREAMS series, this inspiring and informative little biography follows the colorful life of Lord Byron's daughter, from her early love of logic, to her plans for the world's first computer program. As a child, Ada had a big imagination and a talent for mathematics. She grew up in a noble household in England, where she dedicated herself to studying. Her work with the famous inventor, Charles Babbage, on a very early kind of computer made her the world's first computer programmer. This moving book features stylish and quirky illustrations and extra facts at the back, including a biographical timeline with historical images and a detailed profile of the mathematician's life. Little People, BIG DREAMS is a best-selling series of books and educational games that explore the lives of outstanding people, from designers and artists to scientists and activists. All of them achieved incredible things, yet each began life as a child with a dream. This empowering series offers inspiring messages to children of all ages, in a range of formats. The board books are told in simple sentences, perfect for reading aloud to babies and toddlers. The hardcover versions present expanded stories for beginning readers. Boxed gift sets allow you to collect a selection of the books by theme. Paper dolls, learning cards, matching games, and other fun learning tools provide even more ways to make the lives of these role models accessible to children. Inspire the next generation of outstanding people who will change the world with Little People, BIG DREAMS!

Ada and the Number-Crunching Machine - Zoë Tucker 2019-09-03
This is Ada. Although she might look like an ordinary little girl, she's about to change the world. Augusta Ada Byron, better known as Ada Lovelace, is an inquisitive child. Like her clever mother, she loves solving problems—big problems, little problems, and tricky, complicated problems. Ada invents crazy contraptions and reads all the books in the library of her father, the poet Lord Byron; but most of all she loves to solve mathematical problems. Together with her teacher, the mathematician Charles Babbage, Ada invents the world's first computer program. Her achievements made her a pioneer for women in the sciences. Zoë Tucker's words capture the adventurous life of Ada succinctly, and debut picture book illustrator Rachel Katstaller's art infuses Victorian London with humor.

Ada Lovelace - Maria Isabel Sanchez Vegara 2018-03-01
Meet Ada Lovelace, the British mathematician and daughter of poet Lord Byron. Part of the beloved Little People, BIG DREAMS series, this inspiring and informative little biography follows the colorful life of Lord Byron's daughter, from her early love of logic, to her plans for the world's first computer program. As a child, Ada had a big imagination and a talent for mathematics. She grew up in a noble household in England, where she dedicated herself to studying. Her work with the famous inventor, Charles Babbage, on a very early kind of computer made her the world's first computer programmer. This moving book features stylish and quirky illustrations and extra facts at the back, including a biographical timeline with historical images and a detailed profile of the mathematician's life. Little People, BIG DREAMS is a best-selling series of books and educational games that explore the lives of

outstanding people, from designers and artists to scientists and activists. All of them achieved incredible things, yet each began life as a child with a dream. This empowering series offers inspiring messages to children of all ages, in a range of formats. The board books are told in simple sentences, perfect for reading aloud to babies and toddlers. The hardcover versions present expanded stories for beginning readers. Boxed gift sets allow you to collect a selection of the books by theme. Paper dolls, learning cards, matching games, and other fun learning tools provide even more ways to make the lives of these role models accessible to children. Inspire the next generation of outstanding people who will change the world with Little People, BIG DREAMS!

Ada Lovelace - Annabelle Cox 2019-06
While much has been written about the 'father of computers' Charles Babbage and Alan Turing, the pioneer of computer science, many trailblazing female computer programmers have slipped beneath the radar. One of these is Ada Lovelace. A Countess and daughter of the infamous Lord Byron, Lovelace could have lived a very comfortable if unremarkable life, but instead she became a renowned mathematician and writer. She is chiefly known for her work with Charles Babbage, the aforementioned 'father of computers'. But it was actually Ada and not Babbage who was the first person to recognize that the machine had applications beyond pure calculation. She created the first algorithm intended to be carried out by such a machine and, as a result, she is regarded as the world's very first computer programmer. Her life is fascinating, taking in social and educational exploits with the leading scientists and writers of her day, including Charles Dickens. This new biography seeks to acquaint the reader with all the various milestones of an inspiring life and career. Ada Lovelace is increasingly becoming recognized as a true icon for women in technology. With girls and young women being encouraged ever more into the fields of mathematics, technology and science (fields previously dominated by men), women such as Ada are incredibly powerful figureheads with influential legacies. Her story is an inspiration to anyone seeking to break new ground in their chosen field.

Ada's Ideas - Fiona Robinson 2016-08-02
A compelling portrait of a woman who saw the potential for numbers to make art!
Broad Band - Claire L. Evans 2020-07-07
If you loved Hidden Figures or The Rise of the Rocket Girls, you'll love Claire Evans' breakthrough book on the women who brought you the internet--written out of history, until now. "This is a radically important, timely work," says Miranda July, filmmaker and author of The First Bad Man. The history of technology you probably know is one of men and machines, garages and riches, alpha nerds and brogrammers--but from Ada Lovelace, who wrote the first computer program in the Victorian Age, to the cyberpunk Web designers of the 1990s, female visionaries have always been at the vanguard of technology and innovation. In fact, women turn up at the very beginning of every important wave in technology. They may have been hidden in plain sight, their inventions and contributions touching our lives in ways we don't even realize, but they have always been part of the story. VICE reporter and YACHT lead singer Claire L. Evans finally gives these unsung female heroes their due with her insightful social history of the Broad Band, the women who made the internet what it is today. Seek inspiration from Grace Hopper, the tenacious mathematician who democratized computing by leading the charge for machine-independent programming languages after World War II. Meet Elizabeth "Jake" Feinler, the one-woman Google who kept the earliest version of the Internet online, and Stacy Horn, who ran one of the first-ever social networks on a shoestring out of her New York City apartment in the 1980s. Join the ranks of the pioneers who defied social convention to become database poets, information-wranglers, hypertext dreamers, and glass ceiling-shattering dot com-era entrepreneurs. This inspiring call to action shines a light on the bright minds whom history forgot, and shows us how they will continue to shape our world in ways we can no longer ignore. Welcome to the Broad Band. You're next.
New Kind of Science - Stephen Wolfram 2002-12-01

Who Says Women Can't Be Computer Programmers? - Tanya Lee

Stone 2018-02-20

A picture book biography of Ada Lovelace, the woman recognized today as history's first computer programmer—she imagined them 100 years before they existed! In the early nineteenth century lived Ada Byron: a young girl with a wild and wonderful imagination. The daughter of internationally acclaimed poet Lord Byron, Ada was tutored in science and mathematics from a very early age. But Ada's imagination was never meant to be tamed and, armed with the fundamentals of math and engineering, she came into her own as a woman of ideas—equal parts mathematician and philosopher. From her whimsical beginnings as a gifted child to her most sophisticated notes on Charles Babbage's Analytical Engine, this book celebrates the woman recognized today as the first computer programmer. This title has Common Core connections. Christy Ottaviano Books

Ada Twist, Scientist - Andrea Beaty 2016-09-06

A #1 New York Times Bestseller A Wall Street Journal Bestseller A USA Today Bestseller The creators of the New York Times bestselling picture books Rosie Revere, Engineer and Iggy Peck, Architect are back with a story about the power of curiosity in the hands of a child who is on a mission to use science to understand her world. Ada Twist, Scientist, from powerhouse team Andrea Beaty and David Roberts, is a celebration of STEM, perseverance, and passion. Like her classmates, builder Iggy and inventor Rosie, scientist Ada, a character of color, has a boundless imagination and has always been hopelessly curious. Why are there pointy things stuck to a rose? Why are there hairs growing inside your nose? When her house fills with a horrific, toe-curling smell, Ada knows it's up to her to find the source. What would you do with a problem like this? Not afraid of failure, Ada embarks on a fact-finding mission and conducts scientific experiments, all in the name of discovery. But, this time, her experiments lead to even more stink and get her into trouble! Inspired by real-life makers such as Ada Lovelace and Marie Curie, Ada Twist, Scientist champions girl power and women scientists, and brings welcome diversity to picture books about girls in science. Touching on themes of never giving up and problem solving, Ada comes to learn that her questions might not always lead to answers, but rather to more questions. She may never find the source of the stink, but with a supportive family and the space to figure it out, she'll be able to feed her curiosity in the ways a young scientist should. Iggy Peck and Rosie Revere have earned their places among the most beloved children's characters, and they have inspired countless kids and adults to follow their dreams and passions. Now in her own charming and witty picture book, determined Ada Twist, with her boundless curiosity for science and love of the question "Why?," is destined to join these two favorites. The book is the perfect tool to remind both young girls and women that they have the intelligence and perseverance to achieve their dreams.

The Enchantress of Numbers - Jessica Wexler 2020-09-17

Imagine a life with no computers; no Google, Facebook, Wikipedia, or Amazon! That is the world that Ada Lovelace lived in, alongside Charles Babbage, the inventor of the world's first counting machine. Together the pair would lay the foundation for the world's first computer code, which is still in use today. Not only did Ada use her skills in calculus, arithmetic, and language to change the world, she changed what it meant to be a woman at the time when she chose a lifechanging career in math. learn about her ground breaking discoveries and inspirational determination in this tale of self-discovery and adventure!The Enchantress of Numbers is the fourth book in the four part series, STEM Super-heroines, published by Girls Rock Math. GRM aims to inspire youth with stories of the brave, creative, and accomplished women that have helped shape mathematics as we know it today. Girls Rock Math is a program that aims to provide thought provoking, creative experiences in math, empowering girls to develop confidence in their skills and a life-long interest in mathematics.

Ada's Ideas - Fiona Robinson 2016-08-02

Ada Lovelace (1815–1852) was the daughter of Lord Byron, a poet, and Anna Isabella Milbanke, a mathematician. Her parents separated when she was young, and her mother insisted on a logic-focused education, rejecting Byron's "mad" love of poetry. But Ada remained fascinated with her father and considered mathematics "poetical science." Via her

friendship with inventor Charles Babbage, she became involved in "programming" his Analytical Engine, a precursor to the computer, thus becoming the world's first computer programmer. This picture book biography of Ada Lovelace is a compelling portrait of a woman who saw the potential for numbers to make art.

In Byron's Wake: The Turbulent Lives of Lord Byron's Wife and Daughter: Annabella Milbanke and Ada Lovelace - Miranda Seymour 2018-11-06
A masterful portrait of two remarkable women, revealing how two turbulent lives were always haunted by the dangerously enchanting, quicksilver spirit of that extraordinary father whom Ada never knew: Lord Byron. In 1815, the clever, courted, and cherished Annabella Milbanke married the notorious and brilliant Lord Byron. Just one year later, she fled, taking with her their baby daughter, the future Ada Lovelace. Byron himself escaped into exile and died as a revolutionary hero in 1824, aged 36. The one thing he had asked his wife to do was to make sure that their daughter never became a poet. Ada didn't. Brought up by a mother who became one of the most progressive reformers of Victorian England, Byron's little girl was introduced to mathematics as a means of calming her wild spirits. Educated by some of the most learned minds in England, she combined that scholarly discipline with a rebellious heart and a visionary imagination. As a child invalid, Ada dreamed of building a steam-driven flying horse. As an exuberant and boldly unconventional young woman, she amplified her explanations of Charles Babbage's unbuilt calculating engine to predict—as nobody would do for another century—the dawn of the modern computer age. When Ada died—like her father, she was only 36—great things seemed still to lie ahead for her as a passionate astronomer. Even while mired in debt from gambling and crippled by cancer, she was frenetically employing Faraday's experiments with light refraction to explore the analysis of distant stars. Drawing on fascinating new material, Seymour reveals the ways in which Byron, long after his death, continued to shape the lives and reputations both of his wife and his daughter. During her life, Lady Byron was praised as a paragon of virtue; within ten years of her death, she was vilified as a disgrace to her sex. Well over a hundred years later, Annabella Milbanke is still perceived as a prudish wife and cruelly controlling mother. But her hidden devotion to Byron and her tender ambitions for his mercurial, brilliant daughter reveal a deeply complex but unexpectedly sympathetic personality. Miranda Seymour has written a masterful portrait of two remarkable women, revealing how two turbulent lives were often governed and always haunted by the dangerously enchanting, quicksilver spirit of that extraordinary father whom Ada never knew.

The Mystwick School of Musicraft - Jessica Khoury 2020
Twelve-year-old Amelia gets the opportunity to attend a boarding school and learn how to use music to create magic, hoping to become a Maestro like her deceased mother.

Ada Lovelace Cracks the Code - Rebel Girls 2019-11-12
From the world of Good Night Stories for Rebel Girls comes a story based on the exciting real-life adventures of Ada Lovelace, one of the world's first computer programmers. Growing up in nineteenth century London, England, Ada is curious about absolutely everything. She is obsessed with machines and with creatures that fly. She even designs her own flying laboratory! According to her mother, Ada is a bit too wild, so she encourages Ada to study math. At first Ada thinks: Bleh! Who can get excited about a subject without pictures? But she soon falls in love with it. One day she encounters a mysterious machine, and from that moment forward Ada imagines a future full of possibility—one that will eventually inspire the digital age nearly two hundred years later. Ada Lovelace Cracks the Code is the story of a pioneer in the computer sciences, and a testament to women's invaluable contributions to STEM throughout history. This historical fiction chapter book also includes additional text on Ada Lovelace's lasting legacy, as well as educational activities designed to teach simple coding and mathematical concepts. About the Rebel Girls Chapter Book Series Meet extraordinary real-life heroines in the Good Night Stories for Rebel Girls chapter book series! Introducing stories based on the lives and times of extraordinary women in global history, each stunningly designed chapter book features

beautiful illustrations from a female artist as well as bonus activities in the backmatter to encourage kids to explore the various fields in which each of these women thrived. The perfect gift to inspire any young reader!

Ada Lovelace, Poet of Science - Diane Stanley 2016-10-04
"A fascinating look at Ada Lovelace, the pioneering computer programmer and the daughter of the poet Lord Byron." --

The Difference Engine - William Gibson 2011-07-27
1855: The Industrial Revolution is in full and inexorable swing, powered by steam-driven cybernetic Engines. Charles Babbage perfects his Analytical Engine and the computer age arrives a century ahead of its time. And three extraordinary characters race toward a rendezvous with history—and the future: Sybil Gerard—a fallen woman, politician's tart, daughter of a Luddite agitator Edward "Leviathan" Mallory—explorer and paleontologist Laurence Oliphant—diplomat, mystic, and spy. Their adventure begins with the discovery of a box of punched Engine cards of unknown origin and purpose. Cards someone wants badly enough to kill for.... Part detective story, part historical thriller, The Difference Engine is the collaborative masterpiece by two of the most acclaimed science fiction authors writing today. Provocative, compelling, intensely imagined, it is a startling extension of Gibson's and Sterling's unique visions—and the beginning of movement we know today as "steampunk!" From the Paperback edition.

Ada - Dorothy Stein 1987
Uses excerpts from letters, memoirs, and documents to recreate the life of Ada Byron, daughter of the English poet, and discusses her contributions to mathematics and her friendships with the leading mathematicians of the period

Ada Lovelace: Bride of Science - Benjamin Woolley 2015-03-12
Ada Lovelace, the daughter of Lord Byron was born in 1815 just after the Battle of Waterloo, and died aged 36, soon after the Great Exhibition of 1851. She was connected with some of the most influential and colourful characters of the age: Charles Dickens, Michael Faraday, Charles Darwin and Charles Babbage. It was her work with Babbage that led to her being

credited with the invention of computer programming and to her name being adopted for the programming language that controls the US military machine. Ada personified the seismic historical changes taking place over her lifetime. This was the era when fissures began to open up in culture: romance split away from reason, instinct from intellect, art from science. Ada came to embody these new polarities and her life heralded a new era: the machine age. Reissued to coincide with the bicentenary of Ada's birth, The Bride of Science is a fascinating examination of an extraordinary life offering devastating insight into the seemingly unbridgeable gulf between art and science, the consequences of which are still with us today.

Ada Lovelace - Inspired Inner Genius 2021-11-15
Gift your kid the inspirational tale of Ada Lovelace! Inspire strength, innovation, and unlimited possibilities. Are you looking for an inspirational book to inspire the inner genius of your kids? Can you imagine your little one having so much fun reading, they prefer reading over screen time? Then, you will love our child-friendly biography of Ada Lovelace! Use this exciting biography book to instill timeless values & principles in your child. This book consists of 5 parts: I: Illustrated biography - Printed in full color and written like a storybook, these 26 pages of engaging illustrations are sure to engage your little ones... (Warning: Reading could become addictive) II: Extended biography - Curated to deepen your child's knowledge about Ada Lovelace, our extended biography is also perfect for school reports... III: Gallery - Impress your little ones with an iconic photo of Ada Lovelace... IV: Glossary - Reinforce your child's learning with simplified explanations of advanced vocabulary... V: Muse Museum - Introduce your little ones to a myriad of other inspirational individuals in our book collection... VI: BONUS Education Guide - The perfect educational tool (downloadable pdf) to center a class around or to spark an enriching conversation just before bedtime... Age Specifications: This illustrated biography book of Ada Lovelace is perfect for boys and girls between 5 to 10 years old and it is awesome for any child (toddlers, preschool and kindergarten) who is interested in reading. Your kid will love it! About Ada Lovelace: Known

as the "Enchantress of Numbers", Ada Lovelace was a visionary mathematician who was a forerunner of modern day computing. Challenging the gender-norms of her time, Ada Lovelace was a well-rounded mathematician who not only pioneered women's involvement in technology, but also blazed a trail for the invention of computers a century before it was actually built! An unheralded pioneer in technology, Ada Lovelace and her accomplishments remain a huge inspiration to women and technophiles to this day. "The more I study, the more insatiable do I feel my genius for it to be." - Ada Lovelace Wait no more! Scroll up now and click on the "Buy Now" button to gift your kid the inspirational tale of Ada Lovelace!

Machines That Think! - Don Brown 2020-04-28
Award-winning author Don Brown explores computers and technology in book two of the Big Ideas series Machines That Think! explores machines, from ancient history to today that perform a multitude of tasks, from making mind-numbing calculations to working on assembly lines. Included are fascinating looks at the world's earliest calculators, the birth of computer programming, and the arrival of smartphones. Contributors discussed include Muhammad ibn Musa al-Khwarizmi, Ada Lovelace, and Bill Gates. From the abacus to artificial intelligence, machines through the ages have pushed the boundaries of human capability and creativity. Back matter includes a timeline, endnotes, a bibliography, an author's note, and an index.

Idea Makers - Stephen Wolfram 2016-07-07
This book of thoroughly engaging essays from one of today's most prodigious innovators provides a uniquely personal perspective on the lives and achievements of a selection of intriguing figures from the history of science and technology. Weaving together his immersive interest in people and history with insights gathered from his own experiences, Stephen Wolfram gives an ennobling look at some of the individuals whose ideas and creations have helped shape our world today. Contents includes biographical sketches of: Richard Feynman Kurt Godel Alan Turing John von Neumann George Boole Ada Lovelace Gottfried Leibniz Benoit Mandelbrot Steve Jobs Marvin Minsky Russell Towle Bertrand Russell Alfred Whitehead Richard Crandall Srinivasa Ramanujan Solomon Golomb

Ada's Legacy - Robin Hammerman 2015-10-01
Ada's Legacy illustrates the depth and diversity of writers, thinkers, and makers who have been inspired by Ada Lovelace, the English mathematician and writer. The volume, which commemorates the bicentennial of Ada's birth in December 1815, celebrates Lovelace's many achievements as well as the impact of her life and work, which reverberated widely since the late nineteenth century. In the 21st century we have seen a resurgence in Lovelace scholarship, thanks to the growth of interdisciplinary thinking and the expanding influence of women in science, technology, engineering and mathematics. Ada's Legacy is a unique contribution to this scholarship, thanks to its combination of papers on Ada's collaboration with Charles Babbage, Ada's position in the Victorian and Steampunk literary genres, Ada's representation in and inspiration of contemporary art and comics, and Ada's continued relevance in discussions around gender and technology in the digital age. With the 200th anniversary of Ada Lovelace's birth on December 10, 2015, we believe that the timing is perfect to publish this collection of papers. Because of its broad focus on subjects that reach far beyond the life and work of Ada herself, Ada's Legacy will appeal to readers who are curious about Ada's enduring importance in computing and the wider world.

A Female Genius - James Essinger 2013
This new biography tells for the first time the story of the woman who, alongside Charles Babbage, invented the world's first computer. The daughter of Lord Byron, Ada was the visionary who recognised the true potential of Babbage's of cog-wheel computer, The Analytical Engine. She demonstrated to the world that computers wouldn't merely be adding machines, but that they would be able to think. Ada and Babbage may have been colleagues, but they were also the closest of friends. Though she was 20 years his junior, they develop lasting relationship that blossomed into romance. Babbage was a genius and Ada was a woman with a singular vision, unconstrained by her by her time. Here we

learn of their friendship and extraordinary legacy.
Ada Lovelace Timeline - Hourly History
This is a short timeline of Ada Lovelace.

Ada's Ideas - Fiona Robinson 2016-08-02
A compelling portrait of a woman who saw the potential for numbers to make art!