<table>
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<tr>
<th>Title</th>
<th>Author</th>
<th>Publisher</th>
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<tbody>
<tr>
<td>Sterling Point Books®: Ben Franklin: Inventing America</td>
<td>Thomas Fleming</td>
<td>Sterling</td>
<td>Perhaps more than even Washington, Jefferson, or Adams, Ben Franklin is the Founding Father who best exemplifies the authentic American spirit and values. Eminent historian Thomas Fleming paints a lively portrait of this self-made man blessed with a wealth of talents: a best-selling author, the most important newspaper publisher in America, and a world-renowned scientist and inventor before he took on the task of becoming the true “Father” of American independence.</td>
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<tr>
<td>Kids Inventing! A Handbook for Young Inventors</td>
<td>Susan Casey</td>
<td>Jossey-Bass</td>
<td>Have you ever seen inventors on TV or in the newspaper and thought, &quot;That could be me!&quot; Well, it certainly could—and this book shows you how. Kids Inventing! gives you easy-to-follow, step-by-step instructions for turning your ideas into realities for fun, competition, and even profit.</td>
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<tr>
<td>Inventing the Automobile (Breakthrough Inventions)</td>
<td>Erinn Banting</td>
<td>Crabtree Publishing Company</td>
<td>This inspiring new series explores revolutionary inventions and their inventors. Breakthrough Inventions features inventors' biographies, interesting facts, and historical photographs. Learn about the invention of items that have had enormous impact on our everyday lives.</td>
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<tr>
<td>I Am Inventing an Invention (Charlie and Lola)</td>
<td>Grosset &amp; Dunlap</td>
<td>Penguin Group</td>
<td>Charlie and Marv have to create an invention for school. But it's due tomorrow! Lola thinks she is an amazing inventor, and she keeps pestering Charlie and Marv with her ideas. But just as the boys are about to give up, Lola has a brilliant idea that saves the day!</td>
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<tr>
<td>The Kids' Invention Book (Kids' Ventures)</td>
<td>Arlene Erlbach</td>
<td>Lerner Pub Group</td>
<td>Profiles eleven inventors between the ages of eight and fourteen, describes the steps involved in inventing a new product, and discusses contests, patents, lawyers, and clubs.</td>
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<tr>
<td>Inventing the Future: The Scientists Who Changed Our World</td>
<td>John R. Gribbin</td>
<td>Puffin Books</td>
<td>Covering an epic sweep of science, from the Greek philosophers right through to Einstein and his groundbreaking work, Mary and John Gribbin have written a compelling account of the personalities and events that lie behind the scientific milestones of history. Find out how a young Isaac Newton caused the first ever UFO scare while flying a home-made paper lantern and how Archimedes was so wrapped up in his work, he didn't notice that his city had been invaded by Romans.</td>
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<tr>
<td>Inventing Stuff</td>
<td>Edwin Sobey</td>
<td>Dale Seymour Publications Secondary</td>
<td>Empower students to tap into their creativity and ingenuity to invent toys, games, and solutions to everyday problems. An ideal resource for students submitting entries to science fairs or invention contests.</td>
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"The Big Idea Notebook for Kids - Inventing" will teach your child the very basics of inventing through a fun and easy to understand story about two kid inventors! The preface and foreword are written by a 10 year old inventor who shares her perspectives on being a kid inventor. This book also doubles as an invention journal so kid inventors can write down their amazing ideas.

Dreams – sometimes they change the world, sometimes they just plain fall through. Over the course of a weekend at grandpa’s farm near Luverne, Minnesota, 14-year-old Josh Lindstrom gets in touch with his dreams as they spend their time inventing, and grandpa relates the stories of some of the great Minnesota inventors. Success, however, does not come easily. So, is there anything to be learned from the inventors that preceded them, especially those of the aptly named Greatest Generation? Josh and his grandpa discover together that when it comes to dreams of inventing, failure is okay. As Minnesota inventor Earl Bakken had said, “Failure is closer to success than inaction.”

When you run into problems, sometimes the best solution is an invention. Join Nerni and her friends on four exciting adventures, and discover her innovative solutions to their troubles. By incorporating technical tidbits into the stories, Nerni’s Ingenious Inventions helps spark your child’s interest in STEM (Science, Technology, Engineering, and Mathematics).

In these first-person stories, readers discover the problems and frustrations of 20 young inventors and learn what motivated them and how they solved their problems. Step-by-step instructions on how to become an inventor are included and up-to-date information about inventors’ associations and organizations are provided. Photos.

Filled with over 100 inquiry-based activities, Activities for Mathematical Thinking addresses the changing ways in which students learn and teachers teach mathematics. The emphasis is on hands-on learning and an inductive, rather than deductive, approach to mathematics. Organized in 11 sections, activities range from understanding number systems to developing geometric thinking to exploring part-whole relationships. While diverse in content and complexity, all activities emphasize inquiry and process and include recommended grade levels as well as NCTM process and content standards. Worksheets and handouts are provided in the back of the workbook to help support many of the activities.
Inventions and Inventing for Gifted Students (Practical Strategies Series in Gifted Education)

Jimi & Isaac 4a: Solar Powered (Jimi & Isaac Books)

Young Inventor's Road to Inventions

The Wright Brothers: How They Invented the Airplane

Get Inventing! (Dream It, Do It!)

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<tr>
<td>Inventions and Inventing for Gifted Students</td>
<td>Frances Karnes;</td>
<td>Prufrock Press</td>
<td>Applying creative thinking skills and a knowledge of a field of study to create exciting inventions is at the heart of the inventing process. This guide offers a practical introduction to the inventing process: getting students interested in inventing, teaching the inventing process, patenting new product ideas, participating in inventions conventions and competitions, and an extensive listing of print and Web-based resources. This is one of the books in Prufrock Press' popular Practical Strategies Series in Gifted Education. Jimi and Isaac are middle school boys becoming young men. They, and their readers, love discovering why things are the way they are. Boys of any age that dream great dreams, like books that raise questions, and that tear things apart just so they can put them back together will love Jimi &amp; Isaac Books. Isaac Farmer doesn't mind if people think that he's obnoxious. But when people fail to recognize his obvious intellectual superiority, Isaac gets offended. He'll do almost anything to get the recognition he deserves as the &quot;best scientist in the school&quot; - except ask for help.</td>
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<tr>
<td>Jimi &amp; Isaac 4a: Solar Powered</td>
<td>Phil Rink</td>
<td>Amazon Digital Services, Inc.</td>
<td>The book, Young Inventors Road to Invention, was conceived and written by two ambitious brothers, ages 11 and 14. The book describes what brought them on the road to invention and what it takes to be a successful inventor. It is based on their own experiences gained throughout the journey. It describes two of their own inventions and prototypes they built, a brief history of important inventions, and a glossary of scientific and legal terms used in this book. This book was written for young readers in grades 6-12 who are interested in inventing and need information on how to proceed and eventually apply for a patent. It can also be used for supplemental reading by students and science teachers mentoring the school's inventing clubs and science competitions.</td>
</tr>
<tr>
<td>Young Inventor's Road to Inventions</td>
<td>Jacob and Josh Sussman</td>
<td>CreateSpace Independent Publishing Platform</td>
<td>The story of the first powered, sustained, and controlled airplane flight, and the men behind it.</td>
</tr>
<tr>
<td>The Wright Brothers: How They Invented the Airplane</td>
<td>Russell Freedman; Wilbur Wright; Orville Wright</td>
<td>Holiday House</td>
<td>This title teaches readers how to stop dreaming about becoming an inventor—and take steps to make their dreams come true! Helpful tips for finding inspiration, keeping an ideas journal and always thinking about how to improve things will help your reader get inventing in no time! An activity at the end of the book encourages readers to invent their own board game and test it out.</td>
</tr>
<tr>
<td>Get Inventing! (Dream It, Do It!)</td>
<td>Mary Colson</td>
<td>Read Me!</td>
<td>The Wright Brothers: How They Invented the Airplane</td>
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Robots, Robots Everywhere! (Little Golden Book)

Sue Fliess; Bob Staake

Golden Books

So begins this rollicking Little Golden Book featuring robots of all kinds, from ones up in space to the ones we use at home. With bold, colorful artwork by award-winner Bob Staake, it's a perfect introduction to the fascinating subject of today's real robots!

Who Is Bill Gates? (Who Was...?)

Patricia Brennan Demuth

Grosset & Dunlap

Bill Gates, born in Seattle, Washington, in 1955, is an American business magnate, investor, philanthropist, and author. In this Who Was...? biography, children will learn of Gates' childhood passion for computer technology, which led him to revolutionize personal computers. Through the success of his now-world-famous software company, Microsoft, Bill Gates became one of the wealthiest philanthropists in history. This fascinating story of a child technology genius is sure to captivate any audience!

Amazing Leonardo da Vinci Inventions: You Can Build Yourself (Build It Yourself)

Maxine Anderson

Nomad Press

Amazing Leonardo da Vinci Inventions You Can Build Yourself introduces readers to the life, world, and incredible mind of Leonardo da Vinci through hands-on building projects that explore his invention ideas. Most of Leonardo's inventions were never made in his lifetime—they remained sketches in his famous notebooks. Amazing Leonardo da Vinci Inventions You Can Build Yourself shows you how to bring these ideas to life using common household supplies.

Stronger Than Steel: Spider Silk DNA and the Quest for Better Bulletproof Vests, Sutures, and Parachute Rope (Scientists in the Field Series)

Bridget Heos

HMH Books for Young Readers

In Stronger Than Steel, readers enter Randy Lewis' lab where they come face to face with golden orb weaver spiders, and transgenic alfalfa, silkworm silk, and goats, whose milk contains the proteins to spin spider silk—and to weave a nearly indestructible fiber. Learn how this amazing material might someday be used to repair or replace human ligaments and bones, improve body armor, strengthen parachute rope, and even tether an airplane to an aircraft carrier! Readers explore rapid advancements in the application of genetic medicine and their potential to save and improve lives while considering the crucial ethical concerns of genetic research. A timely addition to the acclaimed Scientists in the Field series.

Steve Jobs: Thinking Differently

Patricia Lakin

Aladdin

Written especially for a young audience, a must-read biography of Steve Jobs: visionary, entrepreneur, inventor, and cofounder of Apple.

Electrical Wizard: How Nikola Tesla Lit Up the World

Elizabeth Rusch

Candlewick

Move over, Thomas Edison! Nikola Tesla takes the spotlight in a biography of the man who pioneered modern electrical engineering — and changed the course of history. When a Serbian boy named Nikola Tesla was three, he stroked his cat and was enchanted by the electrical sparks. By the time he was a teenager, he had made a vow: Someday I will turn the power of Niagara Falls into electricity. Here is the story of the ambitious young man who brought life-changing ideas to America, despite the obstructive efforts of his hero-turned-
Your child can be introduced to basic business principles and the rewards of entrepreneurship. Our goal with Kidpreneurs is to outline some basic tools and strategies kids can use to gain some valuable experience in starting, managing, and growing a successful business venture.

In kitchens and living rooms, in garages and labs and basements, women and girls have invented ingenious innovations that have made our lives simpler and better. Their creations are some of the most enduring (the windshield wiper) and best loved (the chocolate chip cookie). What inspired these women, and just how did they turn their ideas into realities? Features women inventors Ruth Wakefield, Mary Anderson, Stephanie Kwolek, Bette Nesmith Graham, Patsy O. Sherman, Ann Moore, Grace Murray Hopper, Margaret E. Knight, Jeanne Lee Crews, and Valerie L. Thomas, as well as young inventors ten-year-old Becky Schroeder and eleven-year-old Alexia Abernathy. Illustrated in vibrant collage by Caldecott Honor artist Melissa Sweet.

Science is not created in a vacuum, and no scientist creates an invention without influences from the past and an impact on the future. In this look at 10 discoverers, beginning with Archimedes of Greece and ending with Sergey Korolyev, each scientist's biography is linked with another based on influences, events, and geography. By uncovering these unique and often overlooked connections, science history emerges as a chain of pattern and relationships, and readers will understand how these ten inventors shaped the course of human civilization.

Did you know that the ice cream sundae was invented because of a law forbidding the sale of ice cream on Sundays? Or that the first motorcycle was really just a tricycle with a motor? Would you believe that Mickey Mouse started out as a rabbit? Arranged in alphabetical order.
about Inventions

with anecdotal, fun-to-read text, this fascinating book is packed with the stories behind these and over 100 more inventions.