

STEM Books for Teens



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2022

Looking for the latest books about **Science, Technology, Engineering, & Mathematics?**

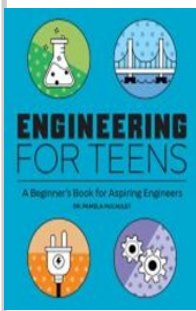
Check out these great books at your MCLS community branch! STEM related books are shelved in the non-fiction collection which is numerically organized by subject. (example: 005 is for Computer science, information and general works)

If the book you're interested in borrowing isn't available in print format, please check to see if the library has the downloadable eBook. Go to: [MCLS Homepage](#) < [Downloads](#) < [eBooks](#) < [Overdrive](#).



What's the point of math? by Davis, Ben Ffrancon

This book unpacks how math is an essential part of our everyday life in ways that you never thought of. Full of crazy facts, magic tricks, and mathematical brainteasers and beautiful illustrations show you that math is interesting, fun, and not intimidating at all.



Engineering for teens: A beginner's book for aspiring engineers
by McCauley, Pamela

Engineering 101 Discover the four main branches of engineering including chemical, civil, electrical, and mechanical, as well as different specialties. Inspiring Innovation get real-world examples of innovative inventions that engineers are developing. and beyond.

Amazing earth : [the most incredible places from around the world] by Ganeri, Anita

Turn the pages to discover natural wonders, stunning vistas and other jaw-dropping places from around the world. Inside the pages of this book about Earth, you'll discover Over 100 far-flung locations around the globe.

Everything you need to ace computer science and coding in one big fat notebook by Smith, Grant

The key concepts of coding and computer science easily digested and summarized, with critical ideas clearly explained, doodles that illuminate tricky concepts, and quizzes to recap it all.

Make a star light! and more circuitry challenges by Felix, Rebecca

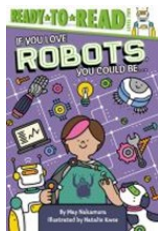
With this title, young makers will learn how to get inspired, problem-solve, and collaborate with others as they take on four electrical engineering challenges, including building a robot that moves and creating a light that looks like the night sky.

Every day, chemistry by Sooy, Julia

Science is all around us in our daily lives. Specifically, chemistry When your bread toasts, when your shampoo foams, when the playground slide rusts--those are all chemical reactions. In this book, a mother and daughter experience all these

Creative coding in python : 30+ programming projects in art, games, and more by Vaidyanathan, Sheena

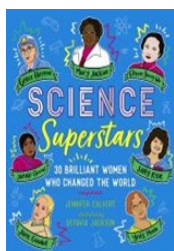
Creative Coding in Python teaches the fundamentals of computer programming and demonstrates how to code 30+ fun, creative projects using Python, a free, intuitive, open-source programming language.



If you love robots, you could be ...

by Nakamura, May

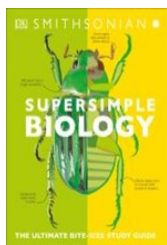
Do you love robots? Is your family's robot vacuum your favorite thing in the house? Then you could be a robotics mechanical engineer, electrical engineer, or systems engineer when you grow up.



Science superstars : 30 brilliant women who changed the world

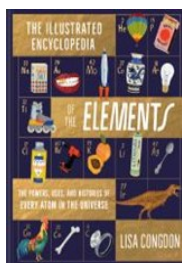
By Calvert, Jennifer

Women scientists are not new, but they haven't always gotten credit for being so stellar. In Jennifer Calvert and Octavia Jackson's *Science Superstars*, you'll be introduced to 30 remarkable women..



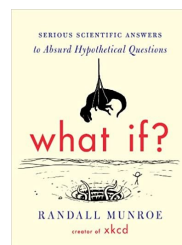
Supersimple biology : the ultimate bite-size study guide by Farthing, Anne

From reproduction to respiration and from enzymes to ecosystems, this guide makes complex topics easy to grasp at a glance. Perfect support for coursework, homework, and exam revision. Each topic is fully illustrated.



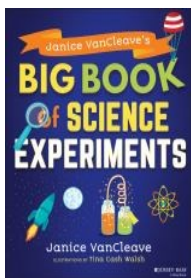
The illustrated encyclopedia of the elements : the powers, uses, and histories of every atom in the universe by Congdon, Lisa

From their discoveries to their uses to their special properties, this vibrant book explores all things elements with an illustrated history of the periodic table's origins.



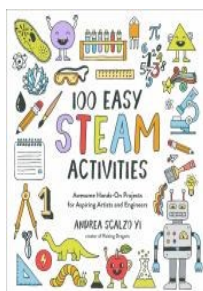
What if? : serious scientific answers to absurd hypothetical questions by Munroe, Randall

In pursuit of answers, Munroe runs computer simulations, pores over stacks of declassified military research memos, solves differential equations, and consults with nuclear reactor operators. His responses are masterpieces of clarity and hilarity, studded with memorable cartoons and infographics.



Janice VanCleave's big book of science experiments by VanCleave, Janice Pratt

From everyone's favorite science teacher comes *Janice VanCleave's Big Book of Science Experiments*. This user-friendly book gets kids excited about science with lively experiments designed to spark imaginations and encourage science learning.



100 easy STEAM activities : awesome hands-on projects for aspiring artists and engineers by Yi, Andrea Scalzo

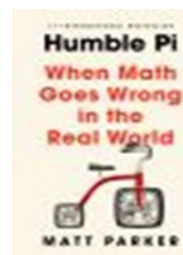
Spark your curiosity with these fun games and creative projects to learn early concepts in Science, Technology, Engineering, Art and Math.



How Space Works: The Facts Visually Explained D.K. Publishing

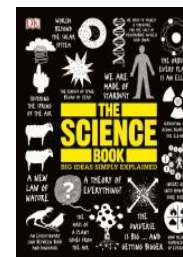
sized..

Inside the pages of this comprehensive guide to astronomy for beginners, you'll discover Simple text and step-by-step graphics that make astronomy easy to understand fun facts and tip-of-the-tongue questions are presented through bite-



Humble pi : when math goes wrong in the real world by Parker, Matt

Math is easy to ignore until a misplaced decimal point upends the stock market, a unit conversion error causes a plane to crash, or someone divides by zero and stalls a battleship in the middle of the ocean.



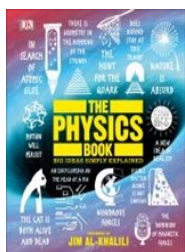
The science book

Discover 80 trail-blazing scientific ideas, which underpin our modern world, giving us everything from antibiotics to gene therapy, electricity to space rockets and batteries to smart phones.



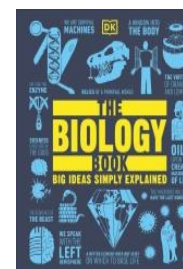
Invent a game! : and more coding & strategy challenges by Borgert-Spaniol, Megan

With this title, young makers will learn how to get inspired, problem-solve, and collaborate with others as they take on four coding and strategy challenges, including creating their own secret code and designing a board game.



The Physics Book: Big Ideas Simply Explained by DK

Discover the answers to these and over 90 other big questions that explore the most important laws, theories, and breakthrough moments in our understanding of physics - from the earliest civilizations to the 21st century.



The biology book

What is life? Why do bees dance? How do animals know their mothers? Who discovered germs? Biology is the story of our quest to understand the living world and explain how its organisms work and interact-whether microbes, mushrooms, or mammals.



Super simple math : the ultimate bite-size study guide by Cottingham, Belle

Covering topics from probability to statistics, algebra to geometry, this study guide is what every young, budding mathematician needs to succeed in math - both at home and in school. This math study book is the perfect support for coursework, homework, and exam revision for 11-16-year-old.



The Everything STEM handbook : help your child learn and succeed in the fields of science, technology, engineering, and math by Sawah, Rihab

The STEM fields (science, technology, engineering, and math) are top education priorities in the United States--and they are growing fields with a high demand for jobs.