

TAR

Twenty-first Century Technology: Children's Books, Sites and more.

October 2020



Introduction

If you think young people spend entirely too much time on screens, then check out books on our list about computers and robots. These books may entice kids who like tech into the wonderful low-tech world of READING. Also check out the picture books and resource books that make a good argument for this. The Book " Glow " gives the greatest concerns about children who are developing mental issues because of too much screen time.

Who knew that there were so many picture books about computers, even parodies like "Give a Mouse a Cell phone!" The titles of the picture books give you the topic, so have a LOOK! Not only are there books about computers; there are many good books on Coding. Most coding books are step-by-step. There are even Coding books for babies.

It is highly recommended that Teachers read the books first. That is why all teachers should be READERS (TAR). Start your own TAR group in your council or at your school. Once you do, you will get "HOOKED on BOOKS" like the good guys and gals at NYSRA!

YA Fiction

A Thousand Pieces of You by Claudia Gray (Sci-fi romance/adventure)

Dear Jo by Christina Kilbourne (A must read for safety)

Future Shock by Elizabeth Briggs (tech corporation story)

Illusionarium by Heather Dixon (deadly plague historical fantasy)

Mechanica by Betsy Cornwall (Cinderella, social justice story)

More Happy Than Not by Adam Silvera

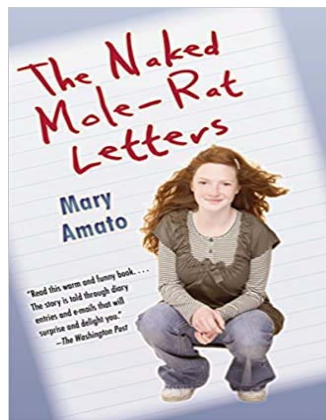
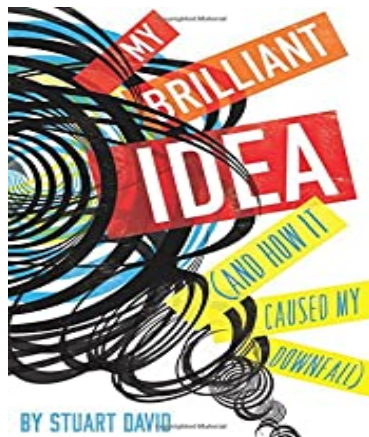
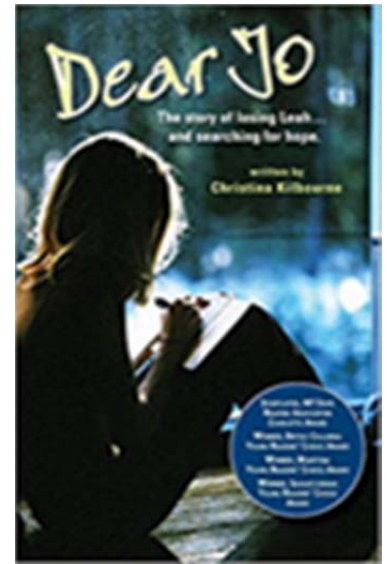
My Brilliant Idea by Stuart David (daydreaming Ap)

The Rule of Three by Eric Walters (computer thriller)

Six by Mark Alpert (trapped in a video game)

Where Future's End by Parker Peevyhouse (social media impact)

Willful Machines by Tim Floreen (internet thriller)



Middle School (invitation for kids to put down the device and read)

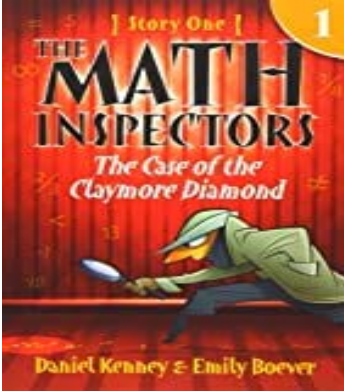
Frank Einstein and Antimatter Motor by Jon Scieszka (funny series with real science facts)

The Genius Factor: How to Capture an Invisible Cat by Paul Tobin & Thierry Lafontaine (Inventor mystery)

Jack and the Geniuses: At the bottom of the World (series opener) Ages 8-12

Jacob Wonderbar and the Cosmic Space Kapow by Nathan Bransford (Action packed) Ages 9-12.

Last Days on Mars (Chronicle of the Dark Star Series#1) by & Kevin Emerson (future Tech helps in survival)



The Math Inspectors: Story One-The Case of the Claymore Diamond by Daniel Kenney & Emily Boever(mystery and detective series) Ages 9-12.

Mayan-Atlantis Returns by Neil Enock(Spaceship voyage back it time).

Minecraft: Diary of a Minecraft Zombie Book 1: A Scare of a Dare by Zack Zombie Ages 7 up.

The Naked Mole-Rat Letters by Mary Amato(character sends fabricated emails to her father's long-distance romance/family, friendship and growing up)(A personal favorite).

Nerds The Cheerleaders of Doom by Michael Buckley(Michael spoke at a NYSRA Conference)(out of this world book and New York Times bestselling series).Personal favorite.

Nick and Tesla's High-Voltage Danger Lab: A Mystery with Electromagnets, Burglar Alarms, and Other Gadgets You Can Build Yourself by Science Bob Pflugfelder & Steve Hockensmith. Ages 9-12

See You in the Cosmos by Jack Cheng (records thoughts on a golden iPod he wants to launch into space).

Secret Coders (Secret Coders Series #1) by Gene Luen & Mike Holmes (accompanying website, mystery story that teaches coding).Ages 8-12

Suddenly Astronaut by Andrew Morgan(when your best friend is a station computer)

Tesla's Attic(The Accelerati Trilogy #1) by Neal Shusterman & Eric Elfman(invents a voice recorder that records Thoughts/magic and tech).

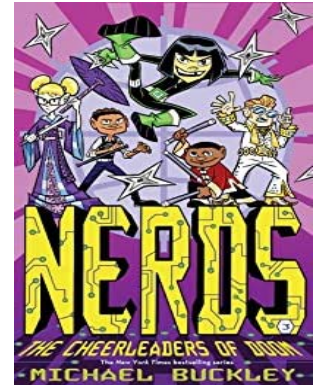
Trapped in a Video Game by Dustin Brady(series about 12 year old Jesse Rigsby's wild adventures)

Who is Bill Gates? by Patricia Brennan

Who was Steve Jobs? by Pamela Pollack

The Wild Robot by Peter Brown(robot wilderness mystery)

A Wrinkle in Time by Madeleine L'Engle (Newbery Medal in 1963/adventure in space and time)



Coding

Baby Loves Coding (Baby Loves Science) by Ruth Spiro

A Beginner's Guide to Coding by Marc Scott Ages 8-10.

Doll-E 1.0 by Shanda McCloskey(picture book) Fun loving playful book.

CoderDojo Nano by Clyde Hatter. Ages 8-12

[Coding for Kids Ages 9-15 Simple HTML, CSS and Javascript lessons to get you started with Programming from Scratch](#) by Bob Mather.

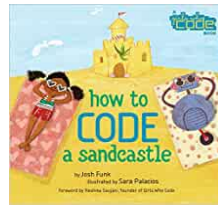
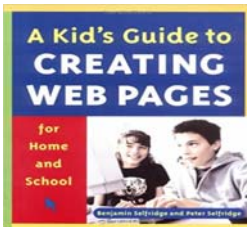
[Coding Games in Scratch](#) by Jon Woodcock Ages 8-12.

[Coding for Minecrafters: Unofficial Adventures for Kids Learning Computer Code](#) by Ian Garland

[Coding Projects in Python\(Computer Coding for Kids\)](#) by DK

[Game Programming For Teens](#) by, 3rd Edition by Maneesh Sethi

[Girls Who Code: Learn to Code and Change the World](#) by Reshma Saujani



[Hello World! Computer Programming for Kids and Other Beginners](#) by Warren and Carter Sande(written by a 10 year old and his Dad)

[Help Your Kids with Computer Coding: A Unique Step-by Step Visual Guide, from Binary Code to Building Games](#) by DK

[Help Your Kids with Computer Science A Unique Visual Step-By-Step Guide to Computers, Coding and Communication](#) by DK

[How to Code A Step-by-step Guide to Computer Coding](#) by Max Wainwright(Robot Helper-basic concepts including loops.

[How to CODE a Rollercoaster](#) by Josh Funk

[How to Code a Sandcastle](#) by Josh Funk(picture book)Personal favorite

[How to Talk to Your Computer](#) by Seymour Simon Ages 4-6 (personal favorite).

[A Kid's Guide to Creating Web Pages for Home and School](#) by Benjamin & Peter Selfridge Ages 9-12 step by step instructions.

[Learn Coding Basics for Kids, Young Adults and People who Are Young at Heart with Python](#)
Written by Jack C. Stanley and Erik D. Gross, Co-Founders of The Tech Academy.

[Learning codinganywhere.com](#)

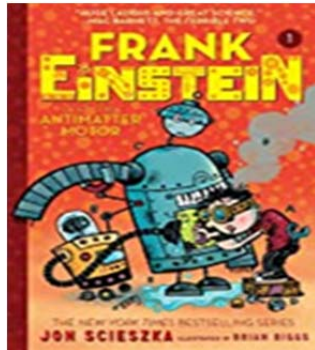
[Lift the Flap Computer and Coding](#) by Rosie Dickins, 8-10 year olds

[My First Coding Book](#) by Kiki Prottzman, 5-7 years old.

Python for Kids: A Playful Introduction to Programming by Jason R. Briggs(fun experiments colorful illustrations and kid friendly language)

The Story of Coding(DK Readers Level 2 Series) by James Floyd Kelly Age 5-7

Super Scratch Programming Adventure by the LEAD Project(teaches code by making video games step by step)



Picture Books

The Berenstain Bears' Computer Trouble by Jan Berenstain

Bully by Patricia Polacco

But I Read It on the Internet! By Toni Buzzeo

But It's Just A Game by Julia Cook

Cami and Wyatt Have Too Much Screen time! By Stacy C. Baver

Cell Phoney by Julia Cook

Chicken Clicking by Jeanne Willis

A Computer Called Katherine: How Katherine Helped Put America on the Moon Picture Book by Suzanne Slade

Cyber Safety Simply: A Cautionary Picture Book by dee Smith

Dot by Randi Zuckerberg

Doug Unplugged by Dan Yaccarino

eNinja: A Children's Book About Virtual Learning Practices for Online Student Success by Mary Nhin



Grace Hopper Queen of Computer Code (People Who Shaped our World) by Laurie Wallmark

Goldilocks: A Hashtag Cautionary Tale by Jeanne Willis

Goodnight ipad a Parody by Ann Droyd

Goodnight Selfie by Scott Menchin

Hello! Hello! By Matthew Cordell

Hello Ruby: Journey Inside the Computer by Linda Liukas

If You Give a Mouse an iPhone: A Cautionary Tail by Ann Droyd

Internet Sleuths: Picture Book about Keeping Children Safe online A.M. Marcus

Little Bird internet Security Adventure by Jim Mercado and Siobhan McDermot

A Little Spot Learns Online by Diane Alber (Little spot wears a Mask).

The Magic School Bus Gets Programmed by Joanna Cole and Bruce Degen

Mousenet by Prudent Breitrose



Nerdy Birdy Tweets by Aaron Reynolds

Once Upon a Time...online: Happily Ever After is Only a Click Away! By David Bedford and Rosie Reev

Patrick's Dinosaurs on the internet by Carol Carrick

Peter and Pablo The Printer: Adventures in Making The Future by Jeffrey Ito

Tease Monster: A Book About Teasing Vs. Bullying Julia Cook and Anita DuFalla

The Technology Tail: A Digital Footprint Story by Julia Cook

Tek: The Modern Cave Boy by Patrick McDonnell

Thanks for the Feedback....I Think? (Best Me I Can Be!) by Julia Cook

Troll Stinks by Jeanne Willis

Webster's Bedtime by Hannah Whaley

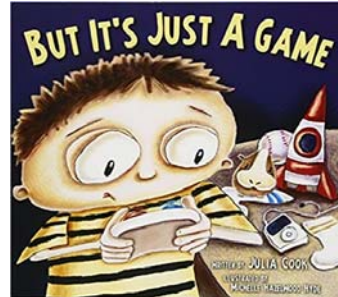
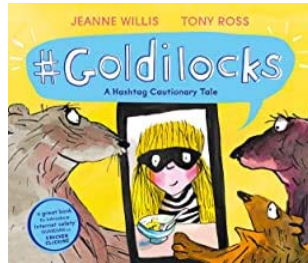
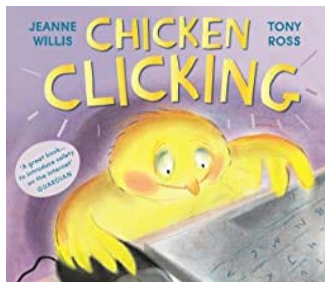
Webster's Email by Hannah Whaley

Webster's Friend by Hannah Whaley

Webster's Manners by Hannah Whaley

What Does It Mean to Be Safe by Rana DiOrio

When Charlie McButton Lost Power by Suzanne Collins



Other Books

A Kid's Guide to Creating Web Pages for Home and School by Benjamin and Peter Selfridge

Artificial Intelligence for Kids(Tinker Toddlers) by Dr. Dhoot

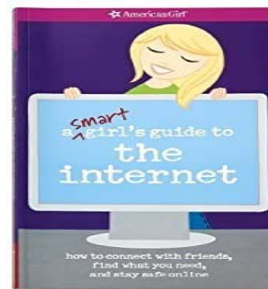
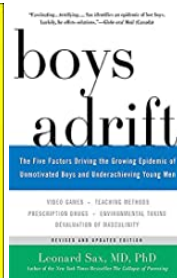
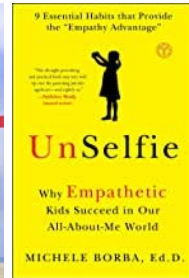
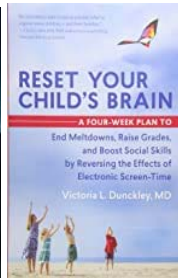
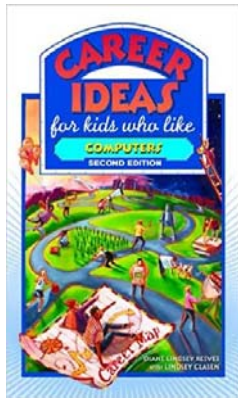
Awesome Engineering Activities for Kids by Christina Schul Age 5-10

Boys Adrift: The Factors Driving the Growing Epidemic of Unmotivated Boys and Underachieving Young Men by Lenard Sax

Career Ideas for Kids Who Like Computers by Diane Lindsey Reeves

Cited! Identifying Credible Information Online by Larry Gerber

Computer by Mike Goldsmith (with wall charts)



Computers by Ferguson Publishing (Careers for your future series)

Cybersafe Kids, Cyber-Savvy Teens by Nancy E. Willard(for kids, Teachers and Parents).

#Deleted by Allum Bokhari

Diary of an 8-Bit Warrior Diamond Box set by CubeKid

Edward Roberts and the Story of the Personal Computer by Susan Zannos

Electronics for Kids: Play with Simple Circuits and Experiments with Electricity by Oyvind Nydal Dahl

The Girl Who Could Talk to Computers by Maya Cointreau

Glow Kids: How Screen Addiction is Hijacking Our Kids and How to Break the Trance by Nichola Kardaras

Google Apps for Littles Believe They Can by Christine Pinto and Alice Keeler

Help Your Kids with Computer Science by

Hidden Figures: The True Story of Four Black Women and the Space Race by Margot Lee Shetterly

How Computers Work by Nancy Dickmann

Informational Text: History of Video Games by David Paris & Stephanie Herweck Paris(Teacher Created Materials for grade 6)

Internet & Computer Ethics for Kids by Winn Schwartau and D.L. Busch

Making You Tube Videos Star in Your own Videos by Nick Willoughby

Machine Learning for Kids(Tinker Toddlers) by Dr. Dhoot

On the Internet Our First Talk About Online Safety

The Princess at the Keyboard by Amanda Stent(famous women in the field)

Reset Your Child's Brain: A Four Week Plan to End Meltdowns, Raise Grades, and Boost Social Skills by Reversing the Effects of Electronic Screen -Time by Victoria L. Dunckley MD

School is Different This Year and That's O.K. by Susan Leinger and Julie Bair

A Smart Girl's Guide to the Internet from American Girl Publishing

The New Way Things Work by David Macaulay(Computers and machines that depend on computers)

UnSelfie Why Empathetic Kids Succeed in our All-About me World by Michele Barba Ed.D.

Vitual Learning Dragon: A Story About Distance Learning to Help Kids online(My Dragon Books) by Steve Herman

Why Doesn't My Floppy Disk Flop? By Peter Cook



Web Sites

ABC Mouse. Com(Early Learning Academy)

ABCya! (typing and all subjects)

Almightygirl.com

At Home Learning with IXL (ixl.com)

BBC History for Kids

Brain POP/BrainPop Jr. K-3 subscription needed

Canadian Geographic kids

Chillola.com(interact with kids around the globe)

Curiousworld.com

DoGo News(current events)

Discovery Kids(nature)

Discovery Mindblown(like national geographic but more entertaining like teeth nashing Dinos)

Disney Jr.

Edoki Montessori(ages 3-4) (Recommended) \$60.00-coding, reading, math etc.

Exploratorium(Science and Art in a new way)

Funology(recipes,science experiments,games, crafts)

Funbrain.com(free)

Highlights for Kids(personal favorite)

Howstuffworks.com(on many lists)(free)

Khanacademy.org(MIT scholar for his cousins)

Thekidscookmonday.org(4-14)

Kids know it (spelling, geography, chemistry, astronomy etc.)

Kidsnationalgeographic.com

The KIDZ Page(separate Holiday page/coloring /puzzles)

KidsRead(book reviews, authors,bios for bookworms)

Kodable(coding site)

Learning Games for Kids

Old Farmer's Almanac for Kids

Make Me Genius

NASA kids' club (puzzles-famous space programs)

Nick Jr.(free)

PBS Kids(free)

Sesame Street(free)

Scholastic(free)

Science Bob

Shaun the Sheep Game Aademy(coding)

Starfall(reading plays, comics,non-fiction)(free)

Young Ocean Explorers(father daughter from New Zealand)

Math

ABC mouse

BBC Bitesize

Cool Math(13 and up)

CoolMath4Kids.com(3-12)

CoolMath-games.com

IR Primary Games

IXL Math

Math Game Time

Math for Kids

Math playground

Thomas and Friends

Reading

Amazon's Free kids ebooks

Barns & Nobles Free Nook Books for Kids

Epic!(Recommended)

FarFaria

International Children's Digital Library Library(ICDL)

Mrs. P's Magic Library

Open Library

Oxford Owl

Skybrary(Reading Rainbow)

Starfall Learn to Read

Storyline Online