

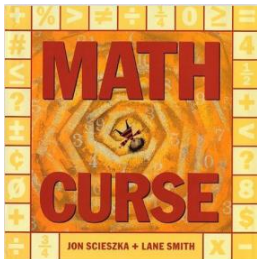
STEM Summer Reading List

Books for kids ages 4-8

Research shows that children who do not read over the summer can lose up to three months of reading achievement. To help curb that learning loss, the San Diego STEM Ecosystem has compiled a list of award-winning books for your reader to check out this summer!

Math Curse

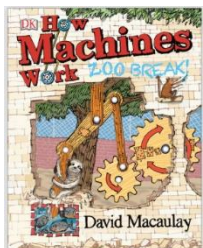
by Jon Scieszka, illustrated by Lane Smith



In this silly tale everything seems to become a math problem! This book will have you laughing—while adding and subtracting at the same time!

How Machines Work: Zoo Break!

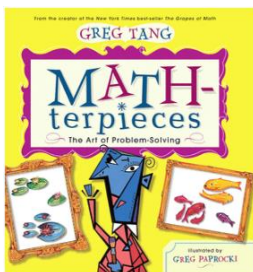
by David Macaulay



Sloth and Sengi are on a mission to escape the zoo. How? By using simple machines! Readers can interact in their STEM adventure through pop-ups, lift-the-flaps, and levers!

Math-terpieces

by Greg Tang, illustrated by Greg Paprocki



What do you get when you add art to STEM? STEAM! Readers of this book will use mathematical problem-solving to study and analyze different works of fine art!

The Most Magnificent Thing

by Ashley Spires



Readers will walk away with one of the most important lessons learned by STEM inventors: persistence! In this story, the main character learns that success is based on frustration, failure, and determination as she works to create the most magnificent thing!

The Brilliant Deep: Rebuilding the World's Coral Reefs

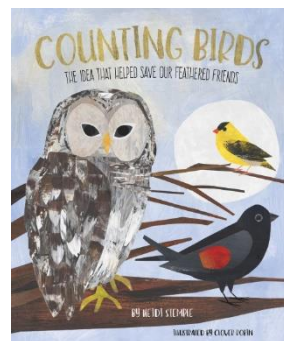
by Kate Messner, illustrated by Matthew Forsythe



Readers will be drawn in by the beautiful illustrations in this book that highlights the environmental conservation efforts of Ned Nedimyer.

Counting Birds: The Idea that Helped Save Our Feathered Friends

by Heidi E. Stemple, illustrated by Clover Robin

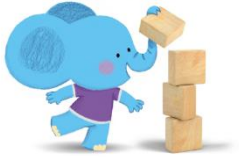


Tired of seeing birds killed for hunting and fashion, this book chronicles the real-life story of Frank Chapman who created a plan still used today to protect our "feathered friends."

CRASH! BOOM! A Math Tale

by Robie H. Harris, illustrated by Chris Chatterton

**CRASH!
BOOM!**
A MATH TALE



Robie H. Harris illustrated by Chris Chatterton

Elephant shows persistence and determination—while also trying on some engineering and math in this fun picture book.

Doll-E 1.0

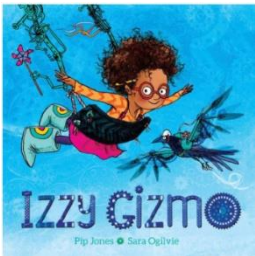
By Shanda McCloskey



Main character Charlotte loves technology! So, when she gets a doll, she isn't sure what to do. Follow her along as she tinkers, codes, clicks, and downloads with her new toy.

Izzy Gizmo

by Pip Jones, illustrated by Sara Ogilvie



Problem-solving, creativity, and engineering are front and center as Izzy, the main character of this picture book, works to help an injured crow fly again.

Peg + Cat: The Pizza Problem

by Billy Aronson and Jennifer Oxley

Main characters Peg and Cat open a pizza shop, but everything goes wrong when they start to get lots of orders! Readers will engage with fractions as they read this delicious text!



Sources:

"15 Awesome STEM Books That Make Science and Technology Fun for Kids," by Melissa Taylor--

<https://www.readbrihtly.com/stem-books-for-kids/>

"Best STEM Books 2019," The National Science Teachers Association-- <https://www.nsta.org/publications/stembooks/>

"Best STEM," The Children's Book Council--

<https://www.cbcbooks.org/readers/reading-lists/best-of-lists/best-stem/>

This resource created compiled by the San Diego STEM Ecosystem. The STEM ecosystem initiative cultivates and supports bringing together local stakeholders across education, science and business sectors to ensure all students have opportunities to develop the knowledge and skills they need to thrive.



- partners in Early Childhood STEM and the San Diego STEM Ecosystem

Join the Early Childhood STEM Working Group – contact stemlearning@rhfleet.org

Find other STEM learning opportunities at www.sdstemecosystem.org