



CURATED ENGINEERING BOOKLIST

STORYBOOK CONVERSATIONS WITH YOUR YOUNG CHILD

THIS CURATED BOOKLIST:



Engineering for young children involves exploring materials and designing solutions to solve problems. These books show the engineering process accurately with engaging illustrations and photos to talk about with your young child.

If you and your child enjoy a book on this list, try looking for more by the same author, you may find other gems!

These books are arranged by the recommended age range and other languages they are available in.

WHERE CAN I FIND THESE BOOKS?

Every child is different. These are only suggested age ranges and books. For example, older children may like the books for infants and toddlers.

Do what works best for encouraging your child's independent exploration during literacy activities. Consider consulting your child's care team first.

If you need to adapt the reading process for your child, please see STEMIE's guide: <https://stemie.fpg.unc.edu/resource/a-guide-to-book-adaptations/>.



Select the images of the book covers to visit videos of an adult reading aloud each book (green border). You could also mute the audio from the read-aloud video if you prefer to read the book to your child yourself and do not have a copy.

Check your local library for physical or digital book lending or this free online digital library: <https://archive.org/>.



Book titles with a dark blue box are accessible for individuals with learning disabilities through <https://www.bookshare.org/cms/>.





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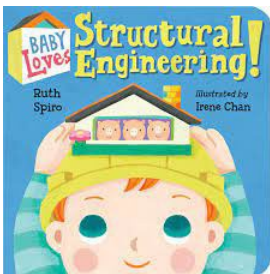
INFANTS & TODDLERS:



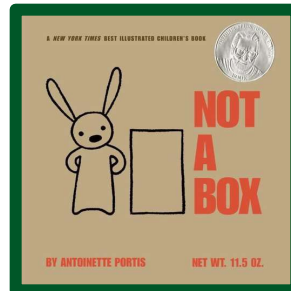
Architecture For Babies
Jonathan Litton



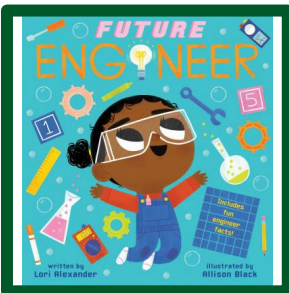
Moving Blocks
Yusuke Yonezu
Also available in Japanese



Baby Loves Structural Engineering!
Ruth Spiro

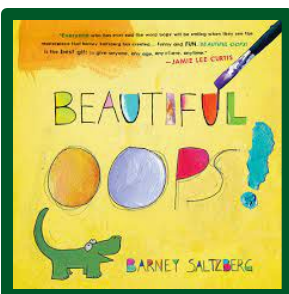


Not A Box
Antoinette Portis
Also available in Spanish & Chinese Mandarin

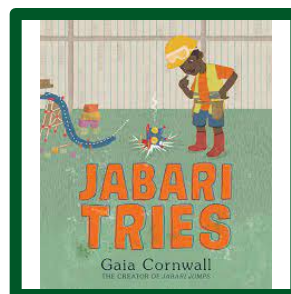


Future Engineer
Lori Alexander

OLDER TODDLERS:



Beautiful Oops!
Barney Saltzberg



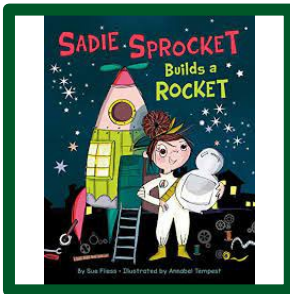
Jabari Tries
Gaia Cornwall
Also available in Spanish



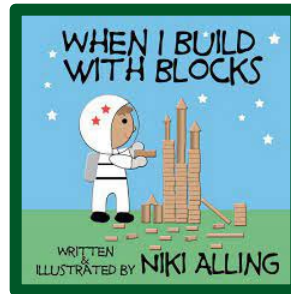
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OLDER TODDLERS (CONTINUED):



Sadie Sprocket Builds a Rocket
Sue Fliess



When I Build With Blocks
Niki Alling

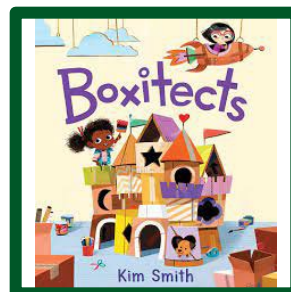


The Most Magnificent Thing
Ashley Spires

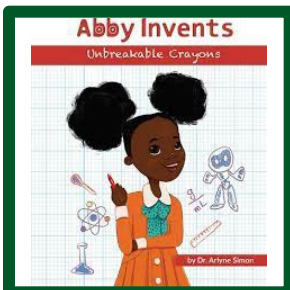
PRESCHOOLERS:



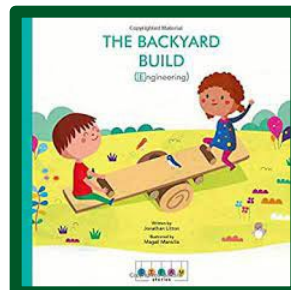
Abby Invents Foldibot
Dr. Arlyne Simon



Boxitects
Kim Smith
Also available in
Chinese Mandarin



Abby Invents Unbreakable Crayons
Dr. Arlyne Simon



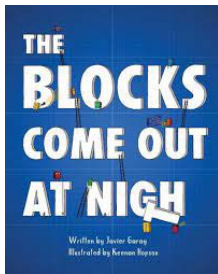
The Backyard Build
Jonathan Litton



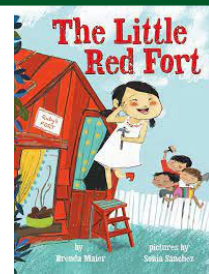
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PRESCHOOLERS (CONTINUED):

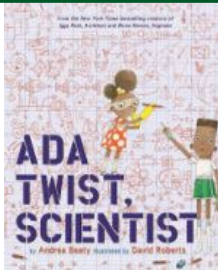


The Blocks Come Out at Night
Javier Garay
Also available in Spanish

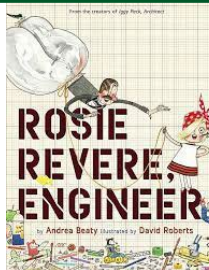


The Little Red Fort
Brenda Maier
Also available in Spanish

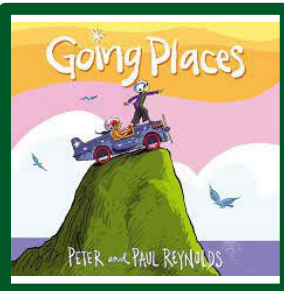
KINDERGARTENERS:



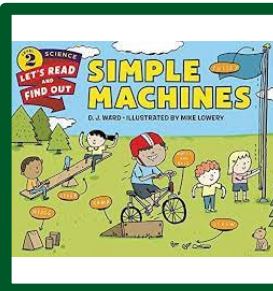
Ada Twist, Scientist
Andrea Beaty
Also available in Spanish



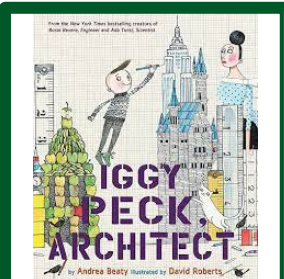
Rosie Revere Engineer
Andrea Beaty
Also available in Spanish



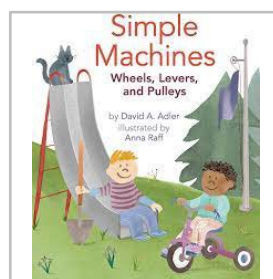
Going Places
Peter & Paul Reynolds



Simple Machines
D. J. Ward



Iggy Peck Architect
Andrea Beaty
Also available in Spanish & Chinese Mandarin



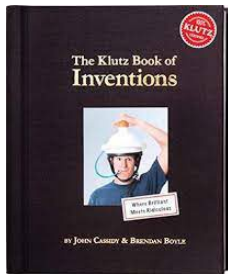
Simple Machines: Wheels, Levers, and Pulleys
David A Adler



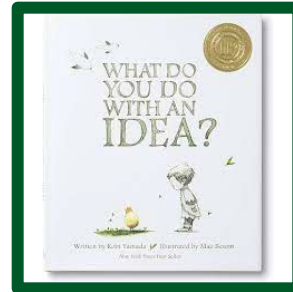
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KINDERGARTENERS (CONTINUED):



The Klutz Book of Inventions
John Cassidy



What Do You Do With an Idea?
Kobi Yamada

MORE STEMIE CURATED BOOKLISTS:

STEM Innovators:

Books that center the stories and experiences of real-life STEM innovators, inspiring young children to see themselves in STEM.

STEM & Disabilities:

Stories that show how STEM is for everyone — celebrating disability inclusion and sparking meaningful discussions.

STEM & The Arts:

Books that blend creativity and STEM, inspiring children to see how art, music, and drama connect with STEM learning opportunities.

Looking for Science, Technology, and/or Math books?

More award-winning books that bring everyday STEM to life with pictures, stories, and conversations young children will love.

- **Science**
- **Technology (Computational Thinking)**
- **Math**

