

# KIBO STEAM Book List



Books introduce new ideas, spark new conversations, and make cross-curricular connections for young children. The books below are all of the suggested readings in our core curriculum *Growing with KIBO*. They also make great STEAM inspirations on their own even without a robot!

## Computational Thinking

	<p><b>The Very Hungry Caterpillar</b> by Eric Carle. One sunny Sunday, a caterpillar hatched out of a tiny egg. On Monday, he ate through one apple... A simple exploration of sequence.</p>		<p><b>If You Give a Mouse a Cookie</b> by Laura Numeroff. A hungry mouse demonstrates an amusing and seemingly endless chain of cause and effect.</p>
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## Engineering, Persistence, and the Engineering Design Process

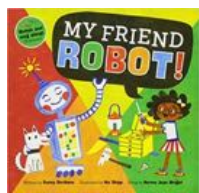
	<p><b>The Most Magnificent Thing</b> by Ashley Spires. This book emphasizes the power and importance of persistence in an engineer's work.</p>		<p><b>Engineering the ABCs</b> by Patty O'Brien Novak answers questions about how everyday things work and how engineering relates to so many parts of a child's daily life.</p>
	<p><b>If I Built a Car</b> by Chris Van Dusen. Jack designs the ultimate fantasy car inspired by zeppelins and trains, Cadillacs and jet planes. Imagination fuels the design process!</p>		<p><b>A Beautiful Oops</b> by Barney Saltzberg explores a life lesson that's also central to the design process: it's OK to make a mistake! In fact, mistakes can bring new ideas, opening a portal of discovery.</p>
	<p><b>The Girl Who Never Made Mistakes</b> by Mark Pett. Another exploration about the role of "mistakes" and persistence in the design process. Engineers don't expect things to work on the first try; and even when things do work, engineers look for ways to make them work even better!</p>		<p><b>Rosie Revere, Engineer</b> by Beaty and Roberts. This book illustrates the importance of imagination and persistence in an engineer's work. Rosie engages in the Engineering Design Process as she tests and improves her creation.</p>



## Robots!



**Boy and Bot** by Amy Dyckman focuses on a helping relationship between a boy and a robot, with each learning about the other's needs after working through some mistaken assumptions.

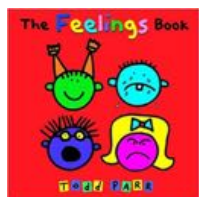


**My Friend Robot!** by Sunny Scribens. This book (optionally read as a sing-along) shows how simple machines help the children and their robot friend build a treehouse.

## Social-Emotional Learning and Positive Technological Development



**Everyday Super Hero** by Sara Zuboff: Sadie Sunshine wants to be a superhero, but she doesn't think she has what it takes. Sadie Sunshine will find out she has the right ingredients to be an everyday superhero.



**The Feelings Book** by Todd Parr uses simple words and pictures to represent children's experiences of emotions and moods. Parr explores a variety of simple, complex, and silly feelings, giving children tools to express their own emotions.

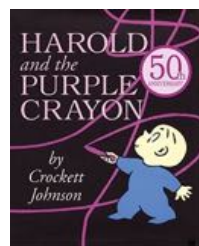
## Other Topics and Cross-Curricular Connections



**Move!** by Page and Jenkins explores the many different ways animals move. Flying, climbing, swimming, and running animals will get students thinking about how their robots might move as well.



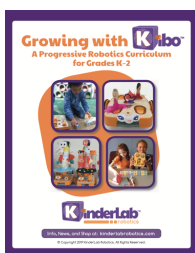
**Little Owl's Night** by Divya Srinivasan follows the journey of Little Owl as he visits other night animals around the forest, seeing all of the many activities that occupy their wakeful nights. A sweet introduction to the lives of nocturnal animals.



**Harold and the Purple Crayon** by Crockett Johnson. This classic story about the power of imagination and the possibilities in a single line will prompt students to think deeper about the lines their KIBOs create with markers attached.



**Iggy Peck, Architect** by Andrea Beaty. Iggy Peck loves to build fabulous creations out of all sorts of materials. When a new second grade teacher declares her dislike of architecture, Iggy faces a challenge. A celebration of individual expressiveness and teamwork.



This book list is drawn from *Growing with KIBO* by KinderLab Robotics, Inc. *Growing with KIBO* is a comprehensive, research-based curriculum guide designed to support early elementary classrooms with a complete, sequenced STEAM curriculum covering robotics, coding, and computational thinking with the KIBO robot. This guide provides educators of young learners with 60 hours of standards-aligned lesson plans. Learn more at <https://kinderlabrobotics.com/teacher-materials>.