

STEM-Lit to Go! Iowa Kit Overview

- **A Chair for Bear**
 - Main Idea: Youth work with the engineering design process to build a chair for Goldilocks. Also introduced to fairy tale genre and text-based drama.
 - Book: *Goldilocks and the Three Bears* by James Marshall
- **Blast Off!**
 - Youth learn about being an astronaut and participate in space themed learning
 - *A is for Astronaut* by Clayton Anderson
- **Code Across Iowa**
 - Children practice coding and problem-solving as they learn about Iowa
 - *H is for Hawkeye* by Patricia A. Pierce
- **Hour at the Fair**
 - Children participate in a variety of STEM-literacy activities while learning more about the Iowa State Fair.
 - *County Fair* by Laura Ingalls Wilder
- **Marvelous Marshmallows**
 - Children learn about an Iowa connection to a famous marshmallow treat, conduct investigations and launch marshmallows at a target.
 - *A Camping Spree with Mr. Magee* by Chris Van Dusen
- **Munching Mysteries**
 - Youth learn about mystery and biography genres, how to solve mysteries and use the Engineering Design Process
 - *The Case of the Stinky Stench* by Josh Funk
- **Scream for Ice Cream**
 - Youth explore chemistry and the states of matter through investigations that end in a delicious treat, ice cream!
 - *Should I Share my Ice Cream? An Elephant & Piggie Book* by Mo Willems
- **Sounds All Around**
 - Children learn about the elements of music such as rhythm and pitch, how sound is produced and design their own instruments.
 - *I Got the Rhythm* by Connie Schofield-Morrison
- **Super Shapes**
 - Youth will learn about shapes and explore where shapes are in their world.
 - *City Shapes* by Diana Murray and *The Greedy Triangle* by Marilyn Burns
- **Take a Chance**
 - Children participate in various games of chance to learn more about math concepts.
 - *Probably Pistachio* by Stuart J. Murphy
- **Tricky Towers**
 - Children participate in the engineering design process as they learn more about structures and STEM professions.
 - *Iggy Peck, Architect* by Andrea Beaty
- **Wonders of Nature**
 - Youth learn about natural resources and the importance of environmental conservation
 - *Creeksiding: A True Story* by Jacqueline Briggs and *Goldfinches* by Lisa Amstutz

