



STEM Lit to Go II

Provided by:

Iowa State University Extension
and Outreach, Scott County
875 Tanglefoot Lane
Bettendorf, Iowa 52722
563-359-7577
www.extension.iastate.edu/scott

Information	Program Description
Kindergarten-3rd Grade	STEM Lit to Go II is an innovative 4-H program that supports the development of STEM and literacy skills for Kindergarten-3rd Grade students. This informal education program utilizes a unique instructional framework to deliver integrated STEM-literacy activities that engage and support position students development, that is focused on the Experiential Learning Model. In addition, this research-based program is designed to support the Next Generation Science Standards and the Common Core English Language Arts Standards.
Curriculum Format	Each lesson can be presented in 45-60 minutes. Teaching Guide with complete instructions is provided. Teaching Kit with materials needed to present lessons is provided. User may need to provide standard classroom supplies (pencils, scissors, glue). If a lesson requires perishable items (e.g. milk), user is responsible for these purchases.

Title	STEM Investigation with Embedded Literacy Focus
A Chair for Bear	Students work with the engineering design process to build a chair for Goldilocks. In addition, students are introduced to the fairy tale genre and explore text-based drama.
Blast Off	Students learn about being an astronaut and participate in space themed learning events.
Code Across Iowa	Students practice coding and problem-solving skills.
Hour at the Fair	Students participate in a variety of STEM-literacy activities while learning more about the Iowa State Fair.
Marvelous Marshmallows	Students learn about an Iowa connection to a famous marshmallow treat, conduct marshmallow investigations and launch marshmallows at a target to learn more about STEM process skills.
Munching Mysteries	Students learn about the mystery and biography genres, how to solve mysteries, and use the Engineering Design Process to solve a problem.

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Title	STEM Investigation with Embedded Literacy Focus
Scream for Ice Cream	Students explore chemistry and the states of matter through investigations that end in a delicious sweet treat – ICE CREAM!
Sound All Around	Students learn about the elements of music such as rhythm and pitch, how sound is produced and design their own instruments.
Super Shapes	Students will learn about shapes and explore shapes in their world.
Take A Chance	Students participate in various games of chance to learn more about math concepts.
Tricky Towers	Students participate in the engineering design process as they learn more about structures and STEM professions.
Wonders of Nature	Students learn about natural resources and the importance of environmental conservation

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