

YoungSTEMs

<https://youngstems.com/>

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READERS, MAKERS, AND SHAKERS for Ages 5 - 10

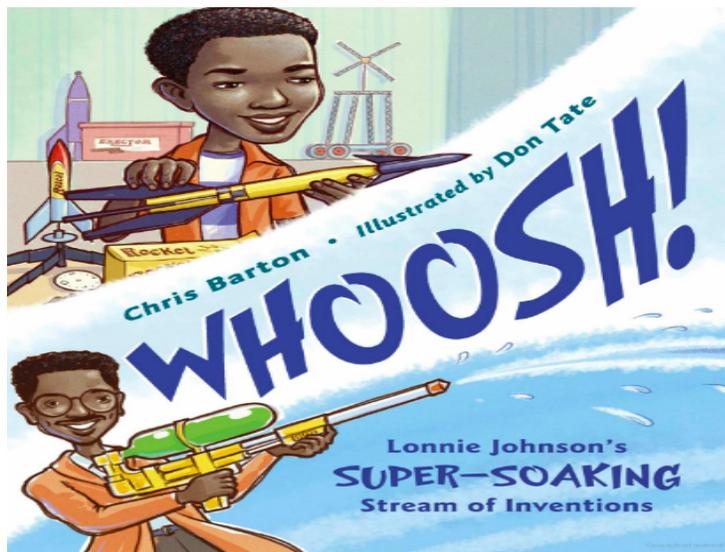
Summer 2021

Program Overview

Envision children reading books, finding inspiration to create, and feeling confident in their ability to solve problems. What a great way to spend about an hour during several weeks this summer! View the Readers, Makers, and Shakers video here: <https://tinyurl.com/yu4625py>

STEM Focused Diverse Books

Books, such as *The Boy Who Harnessed the Wind*, both present diverse STEM images and launch



the challenges children will encounter in Readers, Makers, and Shakers

Hands-on Maker Activities

In each session, children will use a Maker's Kit along with other found materials to build something that addresses a problem sparked by reading a book.

Maker's Kits will be mailed to all registered children.

Creativity, Confidence, and STEM Identity

Self-efficacy is needed more than ever. What we call ‘shakers’ are children who, after experiencing the power of creatively solving problems with their own hands, feel confident to tackle other situations. While diverse STEM professionals may or may not be present in a child’s environment, they begin to see **THEMSELVES** as quite capable of becoming one.

Program Details

The summer offerings for Readers, Makers, and Shakers are listed below. To provide the program at multiple locations, and due to ongoing health cautions, the program is presented online. However, for the majority of the session children are actively engaged in the maker activity, interacting with YoungSTEMs facilitators, and sharing their creations with other participants. In addition, built-in movement or exercise activities centered around the book are incorporated throughout the sessions.

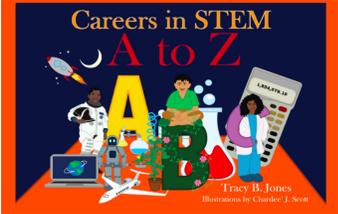
For the youngest Readers, Makers, and Shakers, ages 5 - 7, it is best if an older person is available to help them with the maker activities, such as punching holes, cutting or holding materials while taping.

Registration information: <https://www.eventbrite.com/d/online/readers-makers-shakers/>

STEM Area	Maker Challenge	Diverse Book Inspiration	Date Options Choose 1 date per Maker Challenge	EST Time Options Choose 1 time per date
Mechanical Engineering	Blast or Block - Water Gun Fun	Whoosh! Lonnie Johnson's Super-Soaking Stream of Inventions	June 16 June 17	9:00 -10:30 AM 1:00 - 2:30 PM
Architecture; Structural Engineering	No SQUARES Here	The World is Not a Rectangle	June 22 June 23 June 24	9:00 -10:30 AM 1:00 - 2:30 PM
Mechanical Engineering	Ingenious: Invention Genes-N-U's	The Boy Who Harnessed the Wind	June 29 June 30 July 1	9:00 -10:30 AM 1:00 - 2:30 PM
Mechanical Engineering	Move Those Spuds!	No Small Potatoes	July 6 July 7 July 8	9:00 -10:30 AM 1:00 - 2:30 PM

While Maker's Kits will contain commonly used materials, program kits will also include items specifically chosen for each Maker Challenge. Parents and program directors have the option of choosing Maker's Kit 1 or Maker's Kit 2, for each Challenge, with the option of choosing the book Careers in STEM A to Z for an additional cost. Each Maker's Kit includes session registration, the children's book inspiring the Challenge, and various materials to facilitate creativity. MAKER'S KITS ARE MAILED DIRECTLY TO THE CHILD, shipping included. See costs for Readers, Makers, and Shakers on the next page.



Cost per session	Cost Includes: *Registration * Maker's Kit 1 \$40	Cost Includes: *Registration *Maker's Kit 2 \$45
Careers in STEM A to Z book	Careers Book \$15	Careers Book \$15
	SAMPLE MAKER'S KIT 1 CONTENTS *Book - Whoosh! Lonnie Johnson's Super-Soaking Stream of Inventions *Multicultural crayons *Masking tape (2"roll) *Glue sticks (2) *Pipe cleaners (12) *Construction paper (10 sheets) *Cup lids (5) *Colored cellophane sheets (5) *Foam water shooter Nylon strapping (10 inches)	SAMPLE MAKER'S KIT 2 CONTENTS *Book - Whoosh! Lonnie Johnson's Super-Soaking Stream of Inventions *Multicultural markers *Industrial strength masking tape (2" roll) *Glue sticks (3) *Pipe cleaners (24) *Cardboard rolls (6) *Construction paper (15 sheets) *Cup lids (10) *Colored cellophane sheets (10) *Foam water shooter *Nylon strapping (10 inches)

REGISTER VIA <https://www.eventbrite.com/d/online/readers-makers-shakers/> or Search
"READERS, MAKERS, AND SHAKERS"

Website: <https://youngstems.com/>

Email: earlystems3@gmail.com

We are excited to bring this program to the world's future STEM STARS