

# Storybook STEM Resource Spreadsheet

August 2020



The following resources were recommended by educators and researchers across the country as relevant to using storybooks to engage families with young children in STEM. These resources were identified through a national survey with 231 participants and a follow-up online discussion with 156 individuals from this group. These resources are provided as they were shared by others. The Storybook STEM project team, TERC, or University of Notre Dame do not endorse or guarantee the accuracy of this information. The resources have been loosely categorized by STEM topic, although many of the resources span multiple areas. Resources categorized as "literacy" relate to reading, early childhood literacy, or early childhood development more broadly. For more information about the Storybook STEM project, visit: <https://www.terc.edu/storybookstem/>.

Recommended citation: Pattison, S., Kirkland, P., & Svarovsky, G. (2020). *Storybook STEM resource spreadsheet*. TERC. <https://www.terc.edu/storybookstem/>

Category	Resource	Resource Type
Engineering	Look, I'm an Engineer	Children's Book
Engineering	Tinkerlab ( <a href="https://tinkerlab.com/">https://tinkerlab.com/</a> )	Website
Engineering	Rosie Revere the Engineer	Children's Book
Engineering	Don't Let the Pidgeon Drive the Bus books	Book
Engineering	Engineering is Elementary ( <a href="https://www.eie.org/">https://www.eie.org/</a> )	Projects & Studies
Engineering	Novel Engineering ( <a href="https://www.novelengineering.org/">https://www.novelengineering.org/</a> )	Projects & Studies
Engineering	If I Built a House	Children's Book
Engineering	Head Start on Engineering ( <a href="https://external-wiki.terc.edu/display/HSE">https://external-wiki.terc.edu/display/HSE</a> )	Projects & Studies
Literacy	Curious George Discovers books	Children's Book
Literacy	Cat in the Hat's Learning Library	Children's Book
Literacy	The Very Hungry Caterpillar	Children's Book
Literacy	Monsters Love Colors	Children's Book
Literacy	The Three Little Pigs	Children's Book
Literacy	National Association for the Education of Young Children (NAEYC) ( <a href="https://www.naeyc.org/">https://www.naeyc.org/</a> )	Prof Org
Literacy	ChildCare Information Exchange ( <a href="https://www.childcareexchange.com/">https://www.childcareexchange.com/</a> )	Prof Org
Literacy	Red Leaf Press ( <a href="https://www.redleafpress.org/">https://www.redleafpress.org/</a> )	Prof Org
Literacy	Scholastic ( <a href="https://www.scholastic.com/home">https://www.scholastic.com/home</a> )	Prof Org
Literacy	PBS Kids Super Why! ( <a href="https://pbskids.org/superwhy/">https://pbskids.org/superwhy/</a> )	Media
Literacy	Reading Rockets ( <a href="https://www.readingrockets.org/">https://www.readingrockets.org/</a> )	Website
Literacy	Reading Partners ( <a href="https://readingpartners.org/">https://readingpartners.org/</a> )	Prof Org
Literacy	Brilliant Detroit ( <a href="https://brilliantdetroit.org/">https://brilliantdetroit.org/</a> )	Prof Org

Literacy	313 Reads ( <a href="https://www.facebook.com/313Reads/">https://www.facebook.com/313Reads/</a> )	Prof Org
Literacy	Collaborative Summer Library Program ( <a href="https://www.csllpreads.org/">https://www.csllpreads.org/</a> )	Prof Org
Literacy	US Department of Education Help My Child Read ( <a href="https://www2.ed.gov/parent">https://www2.ed.gov/parent</a> )	Website
Literacy	Librarian blogs	Other
Literacy	Local librarians as resource	Other
Literacy	Where Should Turtle Be?	Children's Book
Literacy	Those Darn Squirrels!	Children's Book
Literacy	Little Skink's Tail	Children's Book
Literacy	The 3 Little Dassies	Children's Book
Literacy	Chickens Aren't the Only Ones	Children's Book
Literacy	Vocabby's World ( <a href="https://www.alysstephens.org/connect/in-our-community/vo">https://www.alysstephens.org/connect/in-our-community/vo</a> )	Projects & Studies
Literacy	Essential STEM preschool books ( <a href="http://www.kodokids.org/stem-preschool-bo">http://www.kodokids.org/stem-preschool-bo</a> )	Website
Literacy	Sesame Street literacy resources ( <a href="https://www.sesamestreet.org/toolkits/literacy">https://www.sesamestreet.org/toolkits/literacy</a> )	Website
Literacy	PNC Grow Up Great ( <a href="https://www.pnc.com/en/about-pnc/corporate-responsibi">https://www.pnc.com/en/about-pnc/corporate-responsibi</a> )	Website
Literacy	Association for Library Service to Children (ALSC) blog ( <a href="https://www.alsc.ala">https://www.alsc.ala</a> )	Website
Literacy	What the Bernstein Bears Can Tell Us About School Readiness ( Journal of Ea	Projects & Studies
Literacy	Story Grammar Structure in a Book Reading Actiivty Between African America	Projects & Studies
Literacy	Children's Literacy Experiences in Low-Income Families: The Content of Book	Projects & Studies
Literacy	Iowa Reading Research Center ( <a href="http://iowareadingresearch.org">iowareadingresearch.org</a> )	Prof Org
Literacy	Animal Colors	Children's Book
Literacy	Larry Gets Lost in Prehistoric Times	Children's Book
Literacy	Boy + Bot	Children's Book
Literacy	Articles from School Library Journal ( <a href="https://www.slj.com/">https://www.slj.com/</a> )	Prof Org
Literacy	1001Children's Books You Must Read Before You Grow Up	Educator Book
Literacy	Society of Children's Book Writers and Illustrators (SCBWI) ( <a href="https://www.scb">https://www.scb</a> )	Prof Org
Literacy	Children's Book Council ( <a href="https://www.cbcbooks.org/">https://www.cbcbooks.org/</a> )	Prof Org
Literacy	The Read-Aloud Handbook	Educator Book
Literacy	Star Bright Books ( <a href="https://starbrightbooks.com/">https://starbrightbooks.com/</a> )	Prof Org
Literacy	Books by Ellen Mayer ( <a href="https://ellenmayerbooks.com/">https://ellenmayerbooks.com/</a> )	Children's Book
Literacy	Gusto & Gecko ( <a href="https://gustoandgecko.com/">https://gustoandgecko.com/</a> )	Website
Literacy	I Ain't Gonna Paint No More!	Children's Book
Literacy	Blueberries for Sal	Children's Book
Literacy	The Most Magnificent Thing	Children's Book

Literacy	What Do You Do With an Idea?	Children's Book
Literacy	The Girl who Thought in Pictures: The Story of Dr. Temple Grandin	Children's Book
Literacy	Dreaming Up: A Celebration of Building	Children's Book
Literacy	Twinderella, A Fractioned Fairy Tale	Children's Book
Literacy	Ordinary People Change the World books	Children's Book
Literacy	International Children's Digital Library (en.childrenslibrary.org)	Website
Literacy	OxfordOwl (oxfordowl.co.uk)	Website
Literacy	Library of Congress Read.gov	Website
Literacy	Build a Better Book (buildabetterbook.org)	Projects & Studies
Literacy	Gail Gibbons books	Children's Book
Literacy	Evaluation of a parent-delivered early language enrichment programme: Evidence	Projects & Studies
Literacy	Storytime Katie ( <a href="https://storytimekatie.com/">https://storytimekatie.com/</a> )	Website
Literacy	DoringKindersley books	Children's Book
Literacy	ZooBean ( <a href="https://www.beanstack.com/">https://www.beanstack.com/</a> )	Website
Literacy	Children's Learning Institute (www.cliengage.org)	Prof Org
Literacy	Sketch Engine (www.sketchengine.eu)	Website
Literacy	Woodpecker Wham!	Children's Book
Literacy	Noisy Frog Sing-Along	Children's Book
Literacy	Jbrary ( <a href="https://jbrary.com/">https://jbrary.com/</a> )	Website
Literacy	PreKinders ( <a href="https://www.prekinders.com/">https://www.prekinders.com/</a> )	Website
Literacy	The Idaho Commission for Libraries (ICfL) ( <a href="https://libraries.idaho.gov/">https://libraries.idaho.gov/</a> )	Prof Org
Literacy	Frog, Where are You?	Children's Book
Literacy	Good Dog Carl	Children's Book
Literacy	Social Justice Books (www.socialjusticebooks.org)	Website
Literacy	Book Riot (www.bookriot.com)	Website
Literacy	Kitaabworld (www.kitaabworld.com)	Website
Literacy	It's Okay to Be Different	Children's Book
Literacy	The Day the Crayons Quit	Children's Book
Literacy	Harold and the Purple Crayon	Children's Book
Literacy	Mouse Count	Children's Book
Literacy	Barnyard Dance!	Children's Book
Literacy	The Very Hungry Caterpillar	Children's Book
Literacy	The Robot Book	Children's Book

Literacy	Little Cloud	Children's Book
Literacy	The Wind Blew	Children's Book
Literacy	Parachute	Children's Book
Literacy	I Fall Down	Children's Book
Literacy	Mix It Up!	Children's Book
Literacy	Beautiful Oops!	Children's Book
Literacy	Blue Manatee Press ( <a href="http://www.bluemanateepress.com/">http://www.bluemanateepress.com/</a> )	Prof Org
Literacy	Early Literacy Storytimes @ your library: Partnering with Caregivers for Success	Educator Book
Literacy	Building Blocks for Reading Development kits ( <a href="http://www.daytonmetrolibrary.org/">http://www.daytonmetrolibrary.org/</a> )	Website
Literacy	Birth to Six resources ( <a href="https://www.jocolibrary.org/birth-to-six">https://www.jocolibrary.org/birth-to-six</a> )	Website
Literacy	The Bookworm newsletter ( <a href="https://libraries.idaho.gov/publications/bookworm/">https://libraries.idaho.gov/publications/bookworm/</a> )	Website
Literacy	Center for Early Literacy Learning librarian resources ( <a href="http://www.earlyliteracy.org/">http://www.earlyliteracy.org/</a> )	Website
Literacy	Colorado Libraries for Early Literacy (CLEL) ( <a href="https://www.clel.org/">https://www.clel.org/</a> )	Prof Org
Literacy	Early Childhood Literacy wiki ( <a href="http://mclskids.pbworks.com/w/page/20658226">http://mclskids.pbworks.com/w/page/20658226</a> )	Website
Literacy	Early Literacy Activity Calendar ( <a href="http://ideas.demco.com/blog/early-literacy-activities/">http://ideas.demco.com/blog/early-literacy-acti</a> )	Website
Literacy	Early Literacy in Everyday Places: The Movies ( <a href="https://www.sjpl.org/blog/early-literacy-in-everyday-places-the-movies/">https://www.sjpl.org/blog/early</a> )	Website
Literacy	Early Literacy Messages in Action: Blog Post Round Up ( <a href="https://jbrary.com/early-literacy-messages-in-action/">https://jbrary.com/ea</a> )	Website
Literacy	Early Literacy Tips Video ( <a href="https://www.youtube.com/watch?v=Z06CRf1OhcU">https://www.youtube.com/watch?v=Z06CRf1OhcU</a> )	Website
Literacy	Every Child Ready to Read resources ( <a href="http://everychildreadytoread.org/resources/">http://everychildreadytoread.org/resource</a> )	Website
Literacy	Mel's Desk blog ( <a href="http://melissa.depperfamily.net/blog/?p=3387">http://melissa.depperfamily.net/blog/?p=3387</a> )	Website
Literacy	Mother Goose on the Loose ( <a href="http://elf2.library.ca.gov/how/docs/Mother_Goose">http://elf2.library.ca.gov/how/docs/Mother_Goose</a> )	Website
Literacy	Teaching Twos and Threes: A Comprehensive Curriculum	Educator Book
Literacy	Folkmanis ( <a href="https://www.folkmanis.com/146/home.htm">https://www.folkmanis.com/146/home.htm</a> )	Website
Literacy	A Mighty Girl ( <a href="https://www.amightygirl.com/">https://www.amightygirl.com/</a> )	Website
Math	Early Math Collaborative Erikson Institute ( <a href="http://earlymath.erikson.edu">earlymath.erikson.edu</a> )	Website
Math	Peg + Cat project ( <a href="https://www.informalscience.org/full-scale-development-peg-cat/">https://www.informalscience.org/full-scale-development-peg</a> )	Media
Math	Development and Research in Early Math Education (DREME) ( <a href="https://dreme.org/">https://dreme.s</a> )	Projects & Studies
Math	Math through Stories ( <a href="http://mathsthroughstories.org">mathsthroughstories.org</a> )	Website
Math	Peg + Cat books	Children's Book
Math	The Greedy Triangle	Children's Book
Math	Freight Train	Children's Book
Math	Grandfather Tang's Story	Children's Book
Math	TERC Investigations curriculum literature connections ( <a href="https://investigations.terc.org/">https://investigations.ter</a> )	Website



Science	Apples for Everyone	Children's Book
Science	Science & Education journal ( <a href="https://www.springer.com/journal/11191">https://www.springer.com/journal/11191</a> )	Projects & Studies
Science	Brown Bear, Brown Bear, What Do You See?	Children's Book
Science	Twenty-One Elephants and Still Standing	Children's Book
Science	Cloudy with a Chance of Meatballs	Children's Book
Science	Nick and Tesla books	Children's Book
Science	Quantum Physics for Babies	Children's Book
Science	The Boy Who Harnessed the Wind	Children's Book
Science	Nature Watch ( <a href="https://www.nature-watch.com/">https://www.nature-watch.com/</a> )	Prof Org
Science	Making science trade book choices for elementary classrooms (The Reading Te	Projects & Studies
Science	Fish is Fish	Children's Book
Science	Tadpole's Promise	Children's Book
Science	The Snowy Day	Children's Book
Science	All Upon a Sidewalk	Children's Book
Science	Horton Hears a Who	Children's Book
Science	Are prompts provided by electronic books as effective for teaching preschoolers	Projects & Studies
Science	Do cavies talk? The effect of anthropomorphic picture books on children's know	Projects & Studies
Science	Young children can be taught basic natural selection using a picture-storybook i	Projects & Studies
Science	Young children's learning and transfer of biological information from picture bo	Projects & Studies
Science	Waterford Press Folding Pocket Naturalist books	Children's Book
Science	Indigenous Education Tools: Cultural and Learning ( <a href="http://indigenouseducation">http://indigenouseducation</a>	Website
Science	TechTales: Engineering Family Storytelling ( <a href="https://education.uw.edu/node/123">https://education.uw.edu/node/123</a>	Website
Science	What Makes a Rainbow?	Children's Book
Science	The Sun Is My Favorite Star	Children's Book
Science	Earth Day: An Alphabet Book	Children's Book
Science	How Do Dinosaurs Learn Their Colors?	Children's Book
STEM	Growing a Jeweled Rose ( <a href="https://www.growingajeweledrose.com/">https://www.growingajeweledrose.com/</a> )	Website
STEM	TERC ( <a href="https://www.terc.edu/">https://www.terc.edu/</a> )	Prof Org
STEM	K.12 Lab at Stanford d.school ( <a href="https://dschool.stanford.edu/programs/k12-lab-r">https://dschool.stanford.edu/programs/k12-lab-r</a>	Prof Org
STEM	Andrea Beatty books	Children's Book
STEM	Promoting Science Literate Identities through the Use of Tradebooks (Best Prac	Projects & Studies
STEM	STEM Charging Stations ( <a href="https://www.explora.us/stem-charging-stations/">https://www.explora.us/stem-charging-stations/</a> )	Projects & Studies
STEM	Iggy Peck, Architect	Children's Book

STEM	How to Smile ( <a href="http://howtosmile.org">howtosmile.org</a> )	Website
STEM	Making and Tinkering With STEM: Solving Design Challenges With Young Children	Educator Book
STEM	STEAM Play & Learn: 20 fun step-by-step preschool projects about science, te	Educator Book
STEM	LEAP project at The Franklin Institute ( <a href="http://leap.fi.edu/">http://leap.fi.edu/</a> )	Projects & Studies
STEM	Starfish Education ( <a href="https://starfisheducation.com/">https://starfisheducation.com/</a> )	Website
STEM	Smithsonian ( <a href="https://www.si.edu/">https://www.si.edu/</a> )	Prof Org
STEM	10 Tips for Adding STEM Concepts to Storytime ( <a href="https://www.slj.com/?details">https://www.slj.com/?details</a> )	Website
STEM	Bringing Math and Science to Story Time ( <a href="https://education.uw.edu/news/bring">https://education.uw.edu/news/bring</a> )	Website
STEM	Storybook STEM ( <a href="https://www.terc.edu/storybookstem/">https://www.terc.edu/storybookstem/</a> )	Projects & Studies
STEM	STEM Friday blog ( <a href="https://asuen.com/stemfriday/">https://asuen.com/stemfriday/</a> )	Website
STEM	Storytime STEMPacks project at Allegheny Intermediate Unit ( <a href="https://remakele">https://remakele</a> )	Projects & Studies
STEM	Henry's Amazing Machine	Children's Book
Technology	Alice ( <a href="https://www.alice.org/">https://www.alice.org/</a> )	Website
Technology	Computer Science Teachers Association (CSTA) ( <a href="https://www.csteachers.org/">https://www.csteachers.org/</a> )	Prof Org
Technology	Scratch ( <a href="https://scratch.mit.edu/">https://scratch.mit.edu/</a> )	Media