

Make STEM HerStory



Representation matters.

Now more than ever, all children need STEM knowledge and skills to thrive and succeed in our increasingly STEM-driven world.

But identity barriers impeded access, even from a young age.

57% of children think engineering is more for boys

65% of scientists say their passion began before middle school

The Museum of Science, Boston and EiE are dedicated to ensuring ALL girls see themselves in STEM and are empowered to become tomorrow's innovators.

Through EiE's digital storybook series, girls from all backgrounds are inspired by dynamic female characters across the globe as they tackle engineering design challenges and create solutions that improves the lives of themselves and those around them.



Meet Our Engineers



Lerato | Botswana



Emily | Australia



Mariana | Dominican Republic



Tehya | USA



Yi Min | China



Salila | India



Michelle | Canada



Despina | Greece



Aisha | USA



Galya & Natasha | Russia

- EiE interactive, digital storybooks use cross-curricular connections to bring learning to life.
- Each title within the collection features an engineering field and a science strand.
- A unique set of features support diverse learners including interactive features, Spanish translations, adjustable formatting, vocabulary supports and more.

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Join 11 strong, dynamic girls across the globe as they tackle engineering design challenges and create solutions that improves the lives of themselves and those around them.

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- Each title within the collection features an engineering field and a science strand.
- Interesting characters from around the world pique children's natural curiosity
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Storybook Title	Engineering field	Science Strand	Country	Summary
A Reminder for Emily*	Electrical Engineering	Physical	Australia	Emily and her family live on a station (or ranch) in the Australian outback. Although Emily loves the sheep that belong to her family, filling their water trough every day is one of her least favorite chores. Inspired by her neighbor, Pete, a retired electrical engineer, Emily realizes she could make sure she does her chores on time by creating an alarm to remind her. With Pete's help, can Emily engineer an alarm to prove to her family that she takes her chores seriously?
Aisha Makes Work Easier*	Industrial Engineering	Physical	US (Boston)	A potato chip lover, Aisha begs her older brother Malcolm to bring her to the potato chip factory where he is an industrial engineer. By visiting the potato chip factory, the Aisha and her cousin Tanya learn how simple machines and the design of industrial systems make work safer for laborers. The trip inspires the girls to create a simple machine system of their own.
Despina Makes a Splash*	Ocean Engineering	Physical	Greece	Despina is a girl who dives right into challenges and new experiences. Her favorite place for exploring with her cousins Chrisanthy and Nikolas is the water. Finding a mysterious object bobbing at the surface of the sea sets the trio off on an adventure. Nikolas, an ocean engineer, thinks he might know what the metal box is. Could it be treasure? With Nikolas's help, Despina and Chrisanthy plunge into designing a submersible to help them retrieve the mystery object.
Galya and Natasha's Rocky Adventure	Materials Engineering	Earth and Space	Russia	Galya and Natasha may be identical twins, but nearly everything about them is different. The summer plans of both girls are turned upside down when their mother's work as an archaeologist brings them to Lake Onego, several hours away from their home in St. Petersburg, Russia. When they discover a replica of an ancient carving, their interests begin to merge. With the help of Mila, a family friend and materials engineer, they explore different ways to create their own replicas.

* Engineering is Elementary Try It! Kits are available and feature mini-design challenges based on an EiE storybook. Individual material kits include all materials for one student to complete the design challenge and support at-home or socially distanced use. Instructions in English and Spanish.

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Lerato Cooks Up a Plan	Green Engineering	Physical	Botswana	Now that Lerato's older sister has a job, Lerato must care for her younger brothers and sister. When Tsoane, a woman from Lerato's village, returns for a visit during university break, she tells Lerato about green engineering and gives her a solar oven. If used correctly, the oven could eliminate the chore of gathering firewood. Lerato must use what she knows about heat energy and green engineering to improve the solar oven so it works.
Mariana Becomes a Butterfly*	Agricultural Engineering	Life	Dominican Republic	An avid gardener living in the sunny Dominican Republic, Mariana is stumped by a change in her new plant. The plant once grew delicious berries, but now Mariana can't seem to get any more berries to grow. With the help of Mariana's Tia (Auntie) Leti, an agricultural engineer, Mariana soon discovers the problem: her plant is not well-matched to its new surroundings and lacks a pollinator. How will Mariana solve this difficulty?
Michelle's MVP Award*	Chemical Engineering	Physical	Canada	Michelle and her big brother, Tim, play on a hockey team together. Tim is one of the best players, and Michelle usually doesn't mind getting help with hockey from her brother. Michelle contributes to the team in her own special way: by making a Most Valuable Player (MVP) award out of play dough, which is given to a team member after every practice.
Saving Salila's Turtle	Environmental Engineering	Earth and Space	India	An animal lover, Salila is disturbed to find a turtle in polluted water near her home in India. Salila's mother, an environmental engineer, and Dr. Ashok Gadgil, a scientist, help Salila learn about water pollution, microbes, and the ways that water can be purified. With this information, Salila begins to think about ways that she could filter pollutants out of water. Will she be able to design a filter to help her create a pollution-free habitat for her turtle?
Tehya's Pollution Solution*	Environmental Engineering	Life	US (Washington)	While taking photos along the Elwha River, Tehya and her friend Sam make a scary discovery. There is oil coating the surface of the river—lots of oil. The Elwha river is extremely important to the ecosystem in Washington State, where Tehya lives. Tehya and Sam decide to help with the oil spill cleanup. Can Tehya's photos and her knowledge of the river help determine a process for cleaning the river?
Yi Min's Great Wall	Materials Engineering	Earth and Space	China	Yi Min, a young girl living outside of Beijing, China, has a problem. A hungry bunny has started munching on the plants in her classroom garden. A trip to the Great Wall of China inspires Yi Min to enlist the help of her friend Chen in building a Great Wall of their very own. Grandfather, a former materials engineer, tells Yi Min about the materials he developed in his work. Together, Yi Min and Chen design and build a bunny-proof solution for the school garden.

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