

REGISTER NOW TO BRING **STEM4GOOD** (Formerly After School STEM Academy) TO YOUR SCHOOL

Empower students to make a difference by
supporting free STEM programming!



Scan the QR code or visit
tinyurl.com/hostSTEM4Good for
pre-registration!

Contact: Mal Galbreath,
mal@wabsalliance.org

STEM4Good Elementary is a 4-week after-school program through Washington Alliance for Better Schools, designed for students in grades 3-5. By bringing STEM4Good to your school, you'll help students discover new ways to solve local challenges while opening their eyes to educational and career pathways in STEM. STEM4Good is facilitated by industry volunteers with support from school hosts.



“These programs excel at helping children think outside the box and engage in meaningful conversations, guided by brilliant volunteer instructors. As an educator, it's a joy to see their faces light up with each STEM challenge solved, friendship formed, and newfound confidence gained.”

Barbara Bromley, Hazelwood Elementary



HOST SCHOOL EXPERIENCE SNAPSHOT

Prepare to Host

1. Register your school at tinyurl.com/hostSTEM4Good, or email schools@wabsalliance.org.
2. Confirm **admin approval** and **school host** (district employee, fingerprinted, present during all sessions).
3. Secure **space & technology** requirements

Ready for Launch

1. Complete **host school training** (for school hosts only)
2. Confirm delivery of **supply kit**
3. Meet your **volunteers!**
4. **Recruit students** to participate

Engage & Wrap-up

1. Host **STEM4Good** volunteers for sessions.
2. Complete post-experience survey + mail student surveys to WABS (pre-paid).
3. Confirm registration for following term (fall, winter, or spring).

STEM4GOOD

2024-2025 CURRICULUM SUMMARIES

Fall 2024: Catapults and Trebuchets

"Catapults and Trebuchets" engages students in exploring the evolution of ancient technologies, applying Design Process Thinking to build and test these machines while learning about physics, force, and energy conservation. Through teamwork and problem-solving, students refine their designs for modern uses, such as environmental cleanup and remote supply delivery, highlighting how engineering principles can address real-world challenges and drive innovation.

Winter 2025: An Incredible Journey

For thousands of years, salmon have been integral to cultures, traditions, and economies worldwide, serving as a keystone species in diverse ecosystems. However, their populations face threats from climate change, habitat loss, pollution, and migration barriers. "An Incredible Journey" offers students an interdisciplinary exploration of the salmon life cycle, cultural and economic significance, and the major challenges facing these species today. Through hands-on lessons, students learn about salmon's ecological impact and apply Design Process Thinking to create solutions that promote environmental stewardship in the PNW.

Spring 2025: Right on Target

In "Right on Target", students design and deliver aid packages using technologies such as drones, cars, robots, and more. Students will explore the concept of aid—what it is, when and why it's needed, and how it reaches people in need. The curriculum includes interactive activities like aid drop simulations and builds that focus on transportation and overcoming obstacles. Students apply Design Process Thinking to create and test their aid delivery systems, culminating in presentations where they showcase their final projects and reflect on their learning journey.