

STEAM-2-Go

District & Grant Procurement Catalog

Screen-Free STEAM Kits Built for the
Next Generation of Trailblazers.

Ecology · Acoustics · Structural Engineering · Renewable Energy

MAKEBA DIFFERENCE

Full STEAM Ahead: Why Art & Representation Change Everything.

Art Unlocks Innovation. We don't just teach formulas; we teach creative problem-solving. By integrating Art into STEM, students translate technical concepts into tangible 3D designs, blueprints, and kinetic artwork they can hold, share, and be proud of.

Representation Front & Center. Children cannot be what they cannot see. Every kit highlights pioneer Black, Indigenous, Latinx, and women trailblazers, so every child sees themselves as an innovator.

100% Screen-Free & Portable. Durable, high-quality, self-contained kits designed for classrooms, libraries, and after-school programs. Open the box and the discovery begins.

TRUSTED BY

K-8 Classrooms · Title I Districts · Libraries · Families Nationwide.

100% SCREEN-FREE	NGSS & CCSS ALIGNED	FEDERAL GRANT ELIGIBLE
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KIT 01 · ECOLOGY & BOTANICAL ART

Earth Day Native Tree & Forest Canopy

“Plant the seeds of environmental leadership.”

Explore soil chemistry, germinate native seeds, build an elevation clinometer, and create technical botanical sketches worthy of a field journal.

What's Inside & Activities

- Soil pH & nutrient testing lab
- Native seed germination station
- Elevation clinometer construction
- Botanical field-journal illustration

FEATURED TRAILBLAZER	Dr. Wangari Maathai & George Washington Carver
STANDARDS ALIGNMENT	NGSS 3-LS4, 5-ESS3, MS-LS2 · CCSS.ELA-LITERACY.W.3-8
RECOMMENDED AGES	Grades 3-8

KIT 02 · ACOUSTICS & SOUND ENGINEERING

Rhythms & Resonance

“Discover the physics of sound through custom music.”

Investigate sound frequencies, assemble a wooden resonator box, and construct a functional 5-key kalimba tuned by the young engineer building it.

What's Inside & Activities

- Sound frequency & wavelength lab
- Wooden resonator box assembly
- 5-key kalimba construction & tuning
- Custom rhythm composition

FEATURED TRAILBLAZER	Dr. James E. West
STANDARDS ALIGNMENT	NGSS 1-PS4, 4-PS4, MS-PS4 · CCSS.MATH.4.MD
RECOMMENDED AGES	Grades 4-8

KIT 03 · STRUCTURAL ENGINEERING

Urban Architects & Structural Bridges

“Design the cities of tomorrow.”

Master load capacity, draft scale blueprints, and construct truss and suspension bridges from wood dowels and cardstock, then stress-test them.

What's Inside & Activities

- Load capacity & tension experiments
- Scale blueprint drafting
- Truss & suspension bridge construction
- Live stress-testing & data recording

FEATURED TRAILBLAZER	Norma Sklarek
STANDARDS ALIGNMENT	NGSS 3-5-ETS1, MS-ETS1 · CCSS.MATH.5.MD, 6.RP
RECOMMENDED AGES	Grades 4-8

KIT 04 · RENEWABLE ENERGY

Solar Trackers & Kinetic Sculptures

“Harvest light to create motion.”

Wire low-voltage solar cells, build a gear-driven sun-tracking mechanism, and craft light-refracting whirligigs that spin from pure sunlight.

What's Inside & Activities

- Low-voltage solar cell circuit build
- Gear-driven sun-tracker assembly
- Kinetic whirligig sculpture design
- Energy output measurement & log

FEATURED TRAILBLAZER	Lonnie Johnson
STANDARDS ALIGNMENT	NGSS 4-PS3, 5-PS3, MS-PS3 · CCSS.MATH.5.MD
RECOMMENDED AGES	Grades 4-8

PROCUREMENT

Grant Funding & District Procurement.

STEAM-2-Go kits are eligible for the following federal, state, and foundation funding streams. We are happy to provide a formal quote, W-9, and standards-alignment documentation for your grant application.

FUNDING STREAM	TYPICAL USE
Title I, Part A	Supplemental instruction for high-poverty schools
Title IV, Part A (SSAE)	Well-rounded education & STEAM enrichment
ESSER I / II / III	Recovery, enrichment & summer learning
21st Century CCLC	After-school & extended learning programs
IDEA Part B	Enrichment for students with IEPs
Local Foundation & PTO Grants	Classroom-level kit purchases

VOLUME PRICING

District & Classroom Bundles.

Volume discounts are available for orders of 10+ kits. Contact us for custom rollout support, teacher facilitation guides, and professional-development add-ons.

QUANTITY	PER-KIT PRICE	INCLUDES
1-9 kits	MSRP	Kit + facilitator guide
10-24 kits	10% off	Kit + facilitator guide + digital classroom pack
25-49 kits	15% off	Above + 30-min virtual training
50+ kits	Custom quote	Above + on-site rollout support

NEXT STEP

Request a Sample Kit or Custom Quote.

We'll follow up within one business day with a personalized quote, alignment documentation for your grant, and a proposed rollout timeline.

EMAIL	hello@makebadesigns.com
WEB	makebadesigns.com/contact
INSTAGRAM	@makebadesigns
LOCATION	Oklahoma City, Oklahoma

“Makeba Designs. Inspiring Curiosity, Confidence, and Representation in STEAM.”