

Arts & Bots

CarnegieMellon

CREATE Lab

The Arts & Bots Project is where students combine craft materials, robotic components and a custom visual-programming tool to build and animate their own robotic creations. Our initial target audience was middle school girls, but the project now engages both genders from elementary school through high school. Arts & Bots is a flexible program that can be adapted to many contexts and subjects in and out of school. We are researching Arts & Bots' impact on students' learning and attitudes.

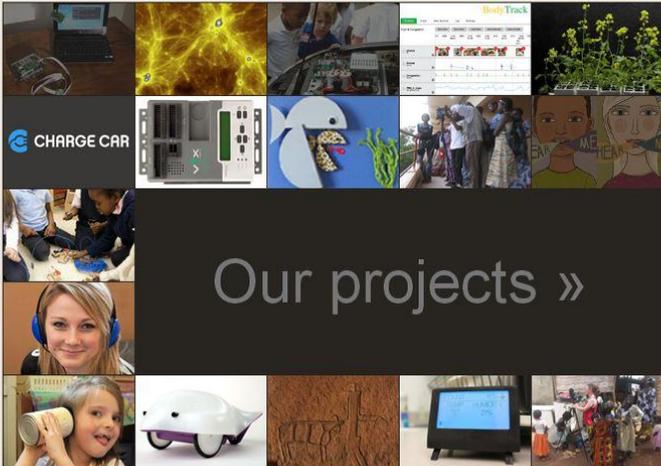
CarnegieMellon CREATE Lab

Projects About Give

Welcome to the CREATE Lab

The Community Robotics, Education and Technology Empowerment Lab (CREATE Lab) explores socially meaningful innovation and deployment of robotic technologies. We specifically aim to:

- Empower a technologically fluent generation** through experiential learning opportunities in and outside of school. We define technology fluency as the confidence to author / creatively configure technology to pursue individual and collective goals.
- Empower everyday citizens and scientists** with affordable environmental sensing and documentation instruments, and powerful visualization platforms for sense-making and sharing of gathered scientific data - to promote evidence based decision making, public discourse and action.



Our projects »



CHILDREN'S MUSEUM

Makeshop



MAKESHOP

MAKESHOP is a space for children and families to make, play and design using "real stuff"—materials, tools, processes and ideas. MAKESHOP is also a place where physical materials and digital media resources intersect; where visitors are encouraged to be curious, creative, experimental and innovative. A team of skilled makers, artists and educators is always on hand to help visitors translate their visions into tangible objects. Through special programs, you can make alongside visiting indie crafters, hackers and inventors too.

ARTS EDUCATION COLLABORATIVE



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