

Makerboxes: Makerspaces in a Box Brain Storm Ideas

Programs with Partnerships Ideas

Makerbox	Programs	Partners
Photo Booth	Favorite Book re-enactment Book Cover Photos Snapchat Editing Photos Displaying the pictures in a group Take pictures of what's important in your community Light photography/Long Exposure Long exposure astronomy Stop motion plant growth Macro photography w/ flowers & bugs Movie props/Make up and photos	Photographer Community Theater Group Videographer Phone Store (how to use apps & filters) Thrift Store (extra props) Newspaper Meteorologist Astrophysicist Entomologist Biologist Theater Company
Mini Weapons	Paintball Catapult Wars Marshmallow Wars	National Guard 4H Gifted & Talented at local school Homeschool Co-op
Break It reMake It	Learn about circuits TechClub	Local Community College Electrician Parents that have used workable electronics Schools
Circuits	Learn about electric circuits Build a Game Box for answering questions Small engine creating Electrician Show & Tell Display books for the program Let kids make the conductive clay Make greeting cards with light up parts	Electricians Electrical Company IT service centers Hardware stores Mechanics/Auto centers Home builders association Rotary, Kiwanis, Lions Club, etc. Phone Company
Builder	Lego League Building models based on local buildings Bridge building Tanks/Weapons Dream City Building your own community & story Safe Room – Fire Safety Earthquake Animal safety crossing	Schools Historical Society Museums Military organizations City planners StoryCorps Fire Department Freeway Construction Welder Architect Dept. of Fish and Game Geologist

Solar	Pizza cooking Dessert cooking DIY Greenhouse	Local Pizzeria Baker/Bakery Teen school or FFA
LEGO	LEGO Robotics LEGO We Do Build a scale model of the library Build a soccer field with players Build a community	Robotics team from high school Local Architect/Instructor Math teacher Geography teacher Youth Soccer League 4H Boy Scouts Girl Scouts Senior Center

Passive Program Ideas

Makerbox	Program
Robots	Have a challenge—They have to build the robots and then use them to reach a goal.
Builder	LEGO Club Matching game with wood blocks “What could you build with this?” “Can you build this?” Change building materials out weekly Use as a gathering activity before a program starts Set up activity stations: Rotate construction materials & book displays—take pictures of creations and post to FB Engineering: Construction projects Math: Use LEGOS to practice addition & subtraction
Photo Booth	Dress up as favorite book character Re-enact favorite scene from a book Photoshop scenes/characters Design backdrops to match scenes ½ Book/Face contest Using pictures to make cards Create a book “scene” LEGO Movie Maker (free app) for stop motion movies Green Screen movies “Pretend Reality Show” Commercial Challenge Re-enact favorite movie/play scene Create a book movie trailer Dr. Seuss’ Birthday w/stand up Cat in the Hat—Have kids dress up as Seuss characters Chess or Sports Team photo collages Star Wars theme dress up Comicon cosplay Photo scavenger hunt Holiday celebration photos (like Breakfast with Santa)

Break It reMake It	<p>Make people robots</p> <p>Make jewelry: earrings, bracelets</p> <p>Take computer apart</p> <p>Make small buildings</p> <p>Take computer apart to learn about the inside pieces</p> <p>Use the pieces to build bracelets, necklaces, etc.</p> <p>Use keyboard to make a purse</p>
Repurposing Books	<p>Blackout Poetry</p> <p>Ornaments</p> <p>Collages</p> <p>Origami</p> <p>Pop-up Books—Math/Measurement</p> <p>Airplanes—measure flight distance—Math & Engineering</p> <p>Folded Books—Math & Measurement</p> <p>Cut book pages into strips and put in a jar—have patrons try to guess book title</p> <p>Cut or fold book pages into shapes</p> <p>Book purses</p>
Mini Weapons	<p>Marshmallow shooters</p> <p>Catapults for marshmallow war</p> <p>Simple machines—Science/Physics</p> <p>Trajectory—Math</p> <p>Building—Engineering</p>
Solar	<p>Track temperature in solar oven over time and how weather affects the temperatures.</p> <p>Display different solar oven types and give “guess what it is” type display</p> <p>Explore greenhouse effect by using oven to start saplings in cold weather</p>