

# Maker Space Kit Idea Sheet

## littleBits Gizmos & Gadgets

**CONTENTS:** 1 booklet, 2 power, 2 slide-dimmers, light sensor, wire, wireless transmitter, wireless receiver, split, bar graph, 2 DC motors, server & hub, buzzer, fan, 2 power snaps, 2 batteries w/cables, ball caster, 2 mounting boards, mechanical arm, servo mount, 2 wheels 8 brick adapters, 6 adhesive shoes, 3 glue dot sheets, 2 motor mates, screwdriver, server accessories, sticker sheets, 8 project templates.

**REQUIREMENT:** May need 9-volt battery depending on use.

**EXPLORE:**

<https://littlebits.cc/kits/gizmos-and-gadgets-kit>

Create your own machines after learning the basics!  
AWESOME videos! Drawing machines, bubble machines, bumperball game, and more!

**DESCRIPTION:**

The littleBits Gizmos & Gadget Kits comes with 15 electronic building blocks, detailed instructions for 12 projects, and all the accessories and tools you need to unleash the inventor within. Create, play, remix and share your creations. Build science, technology, art, and math skills for careers that haven't been invented yet. Give everyday objects new superpowers. Ages 8+

**PROGRAM IDEAS:**

**Volunteer/Partner Presenters:** Is there a community member or group who would volunteer to help a library staff member pull off a program?

High school science teacher, Science/Science Olympiad Clubs, Girl/Boy Scouts, NTC Engineering Professor, Parent/Teacher Organizations, Local Teenager, Story time regular grown up, Friends of the Library, Library Board Member, Red Hatters Club, Church groups, Kiwanis/Rotary/Lions, parents/caretakers/grandparents, more!

**Active Programming:**

- Demonstrate littleBits at elementary, middle school, or high school open house nights with a library display. Play littleBit videos on an iPad to encourage play.
- Invite Boy/Girl Scouts to a littleBits day as part of their computer or electricity merit badge instruction.
- Does your community have a festival day (Harvest Fest, Cranberry Fest, Craze Daze, etc.)? Advertise a technology program or drop-in activity with littleBits for the same day.
- Invite a local musician to use and talk about creativity and unconventional instruments.
- Set up a few tables with a different littleBits kit on each table.



INVENTION: SPIN ROLLER

**Passive Programming:**

- Teen Tech Week at the Library, make a passive program station with littleBits. Instruct the teens to finish a project and snap a photo of themselves using it to send to the library. Play littleBit videos on an iPad to encourage play.
- Setup a play table with littleBits and simple directions during a craft or major program day to occupy those who are waiting for the other activity.

STEAM and maker space programming clearly show how libraries are providing programs outside of traditional library programs. Additionally, libraries are collaborating with community experts in STEAM learning opportunities. The Aspen Institute, [\*\*“Rising to the Challenge: Re-Envisioning Public Libraries.”\*\*](#)