



Maker Space Kit Idea Sheet

littleBits Synthesizer

CONTENTS: 1 booklet, power, keyboard, micro sequencer, 2 oscillators, filter, mix, envelope, random, delay, split, synth speaker, two 9 volt batteries.

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

EXPLORE: <https://littlebits.cc/kits/synth-kit>

Create your own instruments after learning the basics!
AWESOME videos!



DESCRIPTION:

The littleBits synth kit is an incredibly powerful, easy to use modular synthesizer that helps you unleash your inner rockstar. The Synth Kit, developed developed in partnership with KORGx, a pioneer of electronic musical equipment, enables amateur and professional musician to easily explore the iconic synthesizer instrument. Make new sounds, build your own infinitely customizable and expandable analog modular instrument with little to no engineering or musical knowledge. Kit includes 12 electronic bits that instantly snap together with magnets to create circuits. 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?

Musician, High School music teacher, Girl/Boy Scouts, NTC Engineering Professor, Parent/Teacher Organizations, Local Artist, 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, electricity, or music 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.

Passive Programming:

- Teen Tech Week at the Library, make a passive program station with littleBits. Instruct the teens to finish a circuit 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."](#)