



Maker Space Kit Idea Sheet

Cubelets

CONTENTS: 37 Cubelets (Act, Sense, and Think), 4 Lego-toppers (to allow you to integrate with Legos), power cords, instructions and ideas.

OPTIONAL: You can download the Cubelets app to your android or iOS mobile device. This will enable you to use the 2 bluetooth cubelets to control the robots you create.



DESCRIPTION: Cubelets is a set of cubes that you can use to create modular robots. You can create very simple or more complex robots by combining the think, sense, and act cubelets. There are suggestions in the booklet, or you can create your own challenges and experiments.

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?

Science or Technology Teacher, 4-H club, Girl or Boy Scouts, your Teen volunteers?

Active Programming:

- Demonstrate Cubelets at 4K, elementary or middle school open house nights with a library display.
- Technology Day at the library for tweens and teens with other maker kits.
- Integrate Cubelets into a successful existing program before launching a solo program (It's a natural to bring to Lego club or an early to mid-elementary existing program)
- Create challenges for the kids, or just let them play and experiment.

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."](#)