

# Teen Maker Space Projects

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[hybridlib.net](http://hybridlib.net) (slides, links, more!)

Why making?

# Why making?

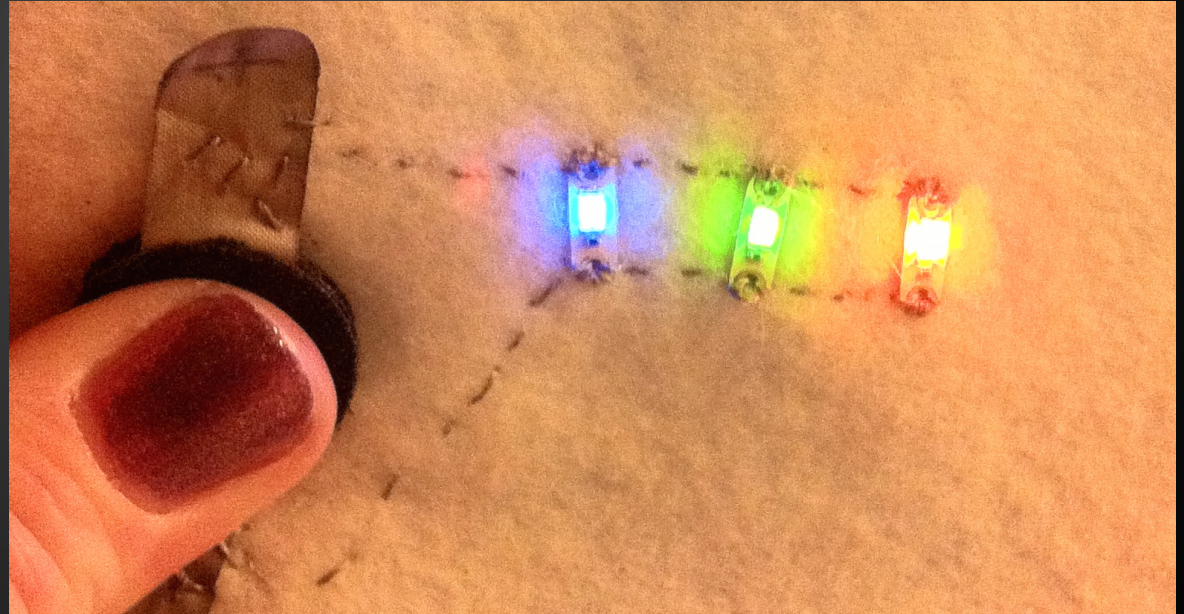
- Improve quality of programming
- Engage youth in critical thinking
- Develop partnerships
- Remove emphasis on “take” projects to “make”
- Mistakes and resiliency

Starting Small

# Starting Small

- Used traditional programming methods
- Partnered with local makerspace experts
- Kept the budget finite
- Tried high & low-tech projects

Success!



# Success!

- High tech was overwhelmingly successful
- Guys loved our programming
- Overall, attendance up over 380%
- Connected teens with local mentors & activities

So What Did  
You Do?

# Our Activities

- Robot and simple circuit making
- Soft circuits
- Musical Instruments
- Stop Motion Animation
- Magnetic obstacle course



# Followed by...

- Lumi Inkodye
- Resin jewelry
- **MORE** stop motion animation
- Squishy Circuits
- Simple soldering pins

Fun NEW ideas!

# Today's Projects

- Lumi Inkodye - better than tie-dye!
- Resin casting - take jewelry to a new level
- LittleBits - reuseable circuit experimentation

Lumi Inkodye



# Lumi Inkodye

- UV light activated dyes for natural fabrics
- 3 different techniques, lots of colors
- Sizes, packaging, and what you don't need
- Inkjet printing of negative images & techniques
- Tips for using with teens

Resin Casting

# Resin Casting

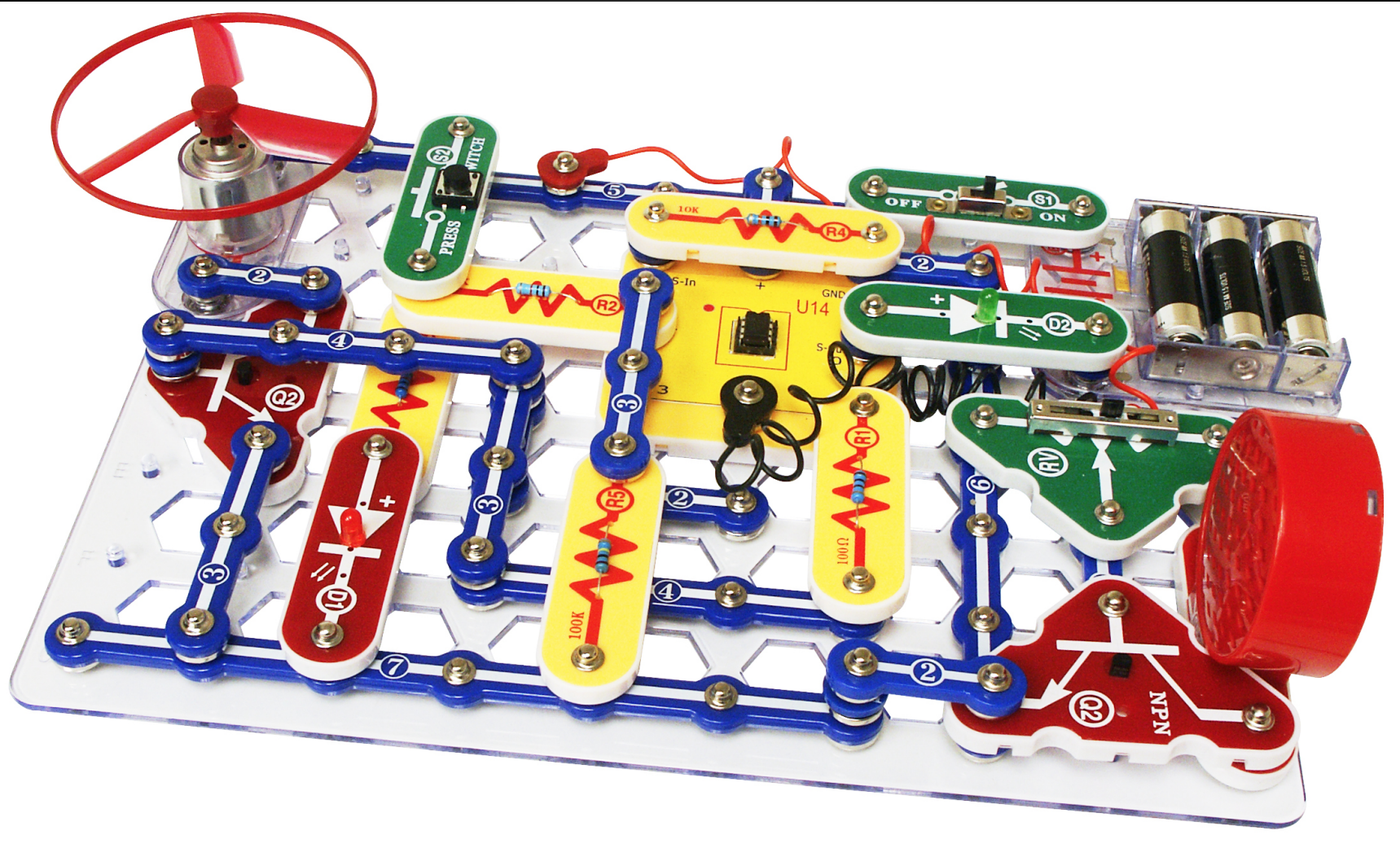
- Take your resin mixing to a new level
- Create molds in several ways
- Lends itself to multi-day projects for curing time
- Better than a 3-D printer?!?
- Teaches chemistry & chemical reactions...

LittleBits



# LittleBits

- Circuits without sewing or soldering
- Infinitely reusable
- Teamwork, critical thinking, & partnering
- Expensive, but fun
- True “make not take” projects for your library!
- Also see SnapCircuits



Thanks!