

sparkfun

LilyPad Design Kit

KIT-12073 ROHS ✓ ✱

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Description: The LilyPad Design Kit (LDK) is a great way to get started with e-textiles. The LDK includes everything you need to complete 6 simple experiments that will teach you how to sew basic circuits, light LEDs, create interactive designs, and more. You don't need any previous sewing or electronics experience to use this kit. If you've ever been curious about getting into e-textiles but have never known where to start, this is where you can begin!

The online LDK Tutorial contains step by step instructions of how to connect each circuit with the included parts. Tips and tricks are provided and explained and even includes troubleshooting tips if something goes wrong. A link to this tutorial can be found in the Documents section below. The kit does not require any soldering and is recommended for beginners of any age that can hold a needle.

LilyPad is a wearable technology developed by Leah Buechley and cooperatively designed by Leah and SparkFun. Each LilyPad was creatively designed to have large connecting pads to allow them to be sewn into clothing. Various input, output, power, and sensor boards are available. They're even washable!

Note: A portion of this sale is given back to Dr. Leah Buechley for continued development and education of e-textiles.

Note: Due to the requirements of shipping the batteries in this kit, orders may take longer to process and therefore do not qualify for same-day shipping. Sorry for any inconvenience this may cause.

LDK Experiments:

- Experiment 1: Lighting a Basic Circuit
- Experiment 2: Multiple LED Circuits
- Experiment 3: Buttons and Switches

- Experiment 4: Make Your Own Button
- Experiment 5: Make your Own Switch
- Experiment 6: Microcontroller Circuits

Kit Includes:

- 1x LilyPad Parts Box
- 1x Felt Sheet - 9" x 12"
- 1x Conductive Fabric - 6" x 6.5" Ripstop
- 1x Needle Set
- 3x Conductive Thread Bobbin - 30ft (Stainless Steel)
- 4x SimpleSnap (2 Male, 2 Female)
- 7x Coin Cell Battery - 20mm (CR2032)
- 1x LilyTiny
- 1x LilyPad Slide Switch
- 1x LilyPad Button Board
- 2x LilyPad Rainbow Led Strip
- 3x LilyPad Coin Cell Battery Holder - Switched - 20mm
- 4x LilyPad Coin Cell Battery Holder - 20mm