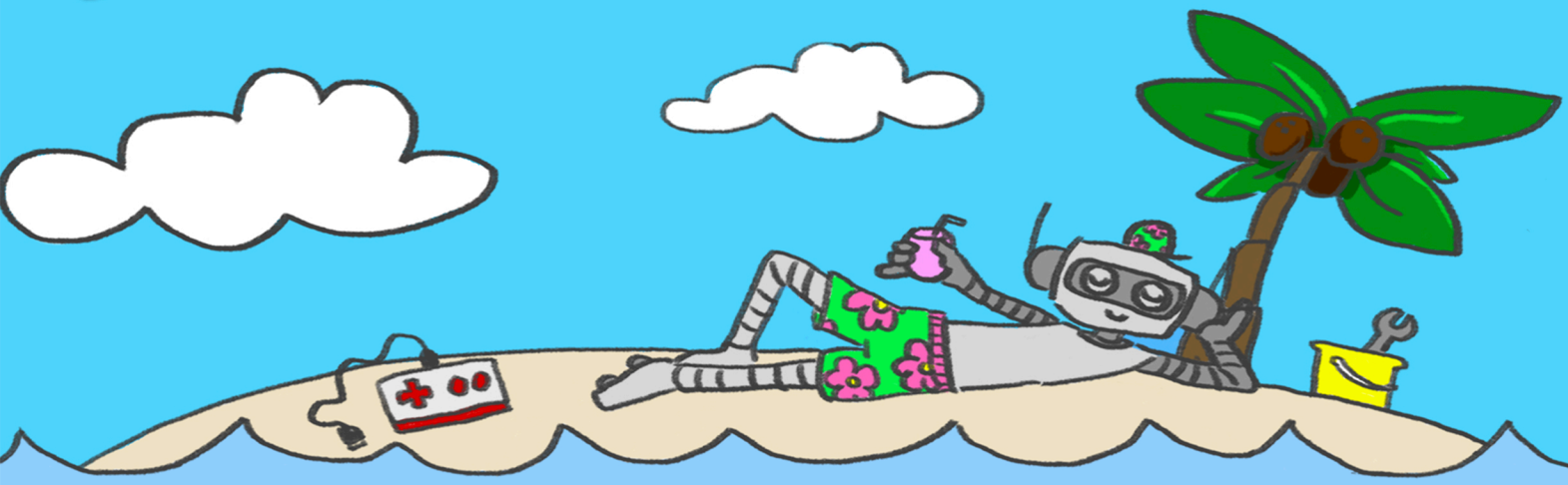
# Desert Island Maker Toolkit



**Makey Makey** – Turn the entire world into a keyboard for your computer. Write a Scratch program to respond to keystrokes and you're really cooking!

**The Hummingbird Bit Medium Classroom Kit** – Our favorite kit for physical computing, engineering, and coding across the curriculum.

**micro:bit** – Low-cost and versatile microcontroller development board for physical computing and coding projects.

**Circuit Playground Express** – Quite similar to the micro:bit, but great for wearable computing projects and has a built-in RGB pixel ring.

**Scratch 3** – Versatile, popular, creative, and collaborative web-based block programming environment for kids of all ages.

**Snap!** – A dialect of Scratch better suited for formal computer science and secondary mathematics activities.

**Turtle Art** – Turn formal mathematical ideas into beautiful pictures in this ingenious environment perfectly suited for introducing programming to kids and teachers.

**Circuit Stickers** – Use these tiny LED decals in papercraft projects that light up. Add the Chibi Chip microcontroller and program your paper circuits!

**Copper tape** – Easily make circuits on paper, cardboard, and other material with inexpensive copper tape. Make sure that the tape you buy is conductive on the adhesive side too.

**Conductive thread** – Sew soft circuits with thread that conducts electricity.

**Assorted 3 mm, 5 mm, 10 mm LEDs** – A variety of different size LEDs, including flashing and color-changing ones come in handy for all sorts of projects.

**CR 2032 coin cell batteries** – Enough power for paper circuits and powering a few LEDs. Buy them in bulk and save.

**Worx ZipSnip cutting tool** – Cut through cardboard like butter with these safe rechargeable electric scissors.

**Alligator clips** – A large collection of alligator clips comes in handy for prototyping and making temporary physical computing projects.

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