

# Circuit Playground - Activity Three

## Activity 3: Add More Lights with Parallel Circuits

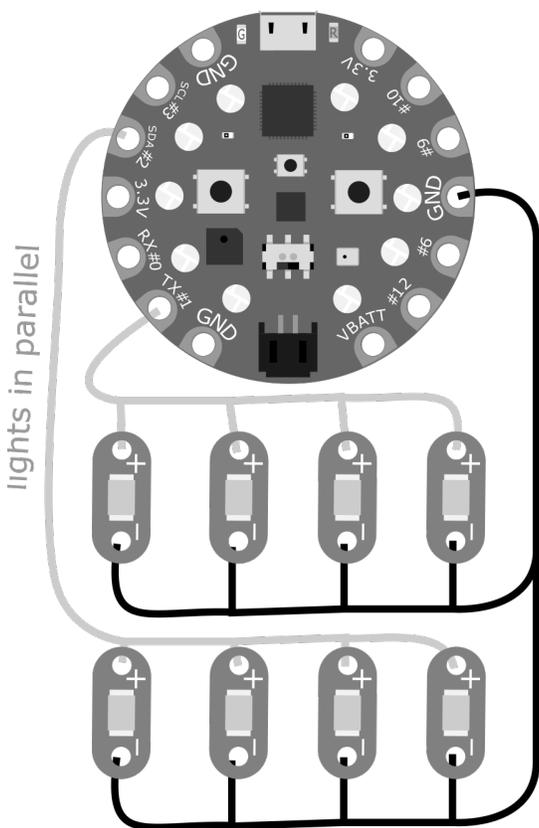
We do not always have to make each light blink independently. We can also use parallel circuits to add in extra lights.

In the challenge below, connect each set of lights using a combination of independent and parallel circuits to the Circuit Playground. Color the box next to Negative and Positive to make a key for your diagram.

TEACHER COPY: Here are two examples of how one could connect these lights to the Circuit Playground. There are many, many other possibilities as well!

- Lights in parallel will blink and change at the same time.
- Common ground: a circuit line that connects multiple negative lines together (or more formally, a common return path for electric current).

Two blinking patterns



Four blinking patterns

