

Arduino Simulators Compared: An Honest Roundup

Mokxi · one-page lesson plan

OBJECTIVE

Eight Arduino and circuit simulators, compared for students, teachers and makers: classroom tools, boards, firmware, SPICE, price and setup.

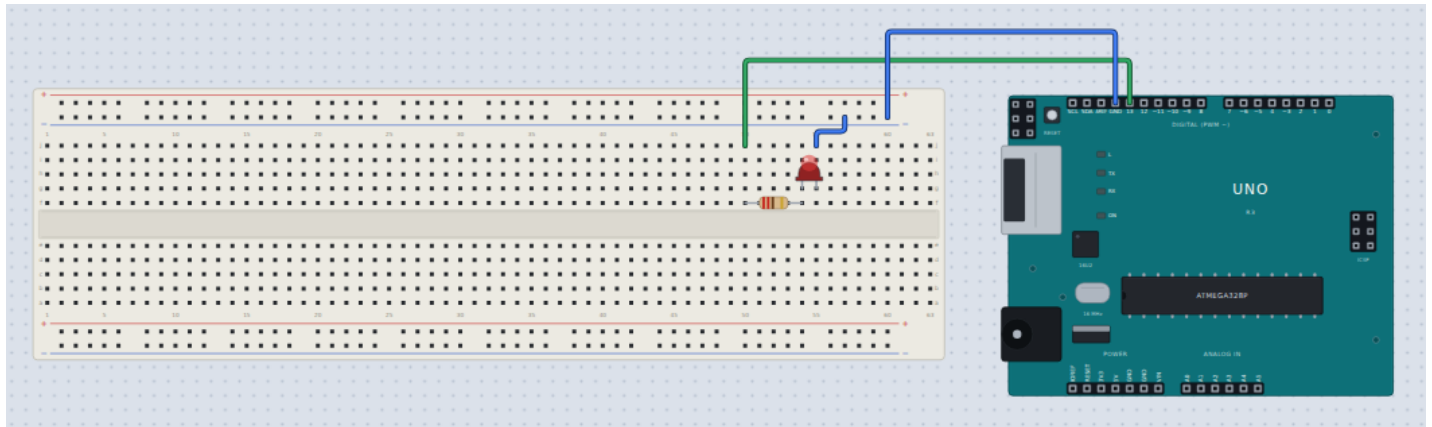
WHAT YOU NEED

Full-size breadboard, Arduino Uno R3, Resistor, LED

STEPS

- What to check before picking one — Five questions cover most of what matters.
- Tinkercad Circuits — Free, from Autodesk, browser-based, and the most widely used classroom circuit tool by a wide margin, with a...
- Mokxi — Free to use with no account required, browser-based, and built around running your actual C++ against a cycle...
- Wokwi — Free for personal use and built for running embedded projects in a browser, Wokwi has the broadest maker-focu...

THE CIRCUIT



ASSESSMENT IDEA

Have the student pick one project of their own and name which two of the six compared tools would suit it best and worst, with one sentence each for why.

<https://mokxi.com/learn/arduino-simulators-compared>