

# Guide to creating realistic working circuit simulations

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To make learning more engaging for students, many websites now create realistic simulations for interactive use directly on the screen. If teachers are unfamiliar with the prompts for creating 3D experiment models in Gemini, they can use the Diode website to create simulations of working circuits. Teachers are provided with all the details to build a complete, functional circuit model. Below is a detailed guide on how to use it.

## Instructions for creating circuit simulations using diodes.


### Step 1:


First, we access the website below and register for our Google account.

<https://www.withdiode.com/>

Sign Up



 Continue with GitHub

 Continue with Google

OR

Email

Email

Password

Password

Sign Up

Already have an account?

**Step 2:**

On the new interface, **click on the "New Project" option** to create a new project.

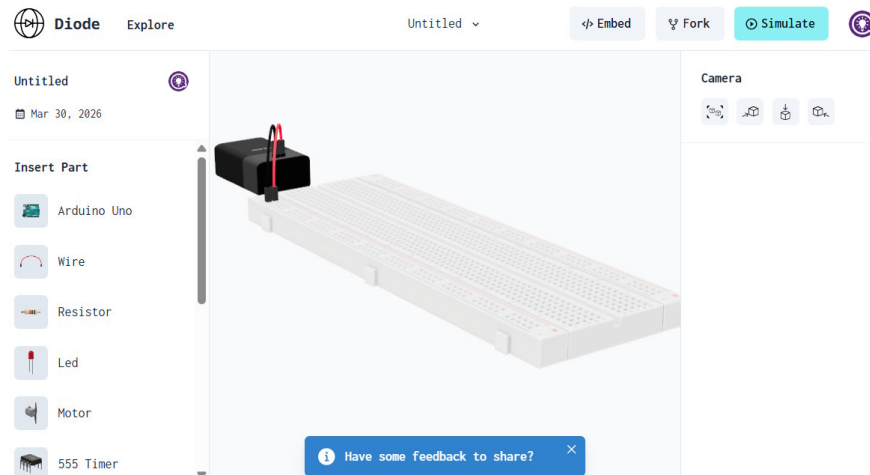
Create a Project

New Project



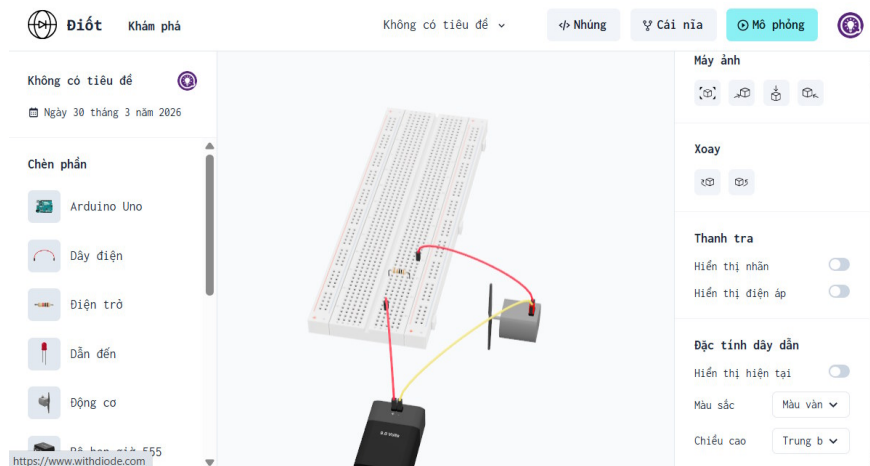
My Projects

At this point, the teacher will see the circuit board interface for us to design. On the **left side are the components** to create the circuit, and **on the right side are options for viewing** the completed circuit board. You can adjust the rotation of the model in various directions for easier observation and connection of the parts.

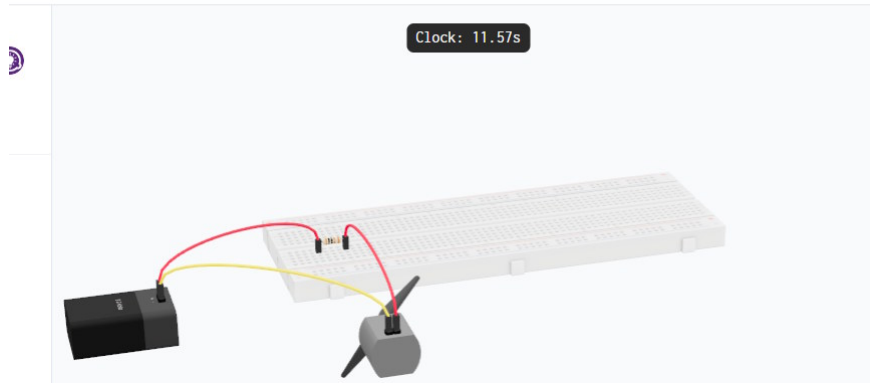


### Step 3:

Now we will **drag the components to the side** to create a complete circuit board. Teachers can create the circuit board as they wish to get a complete circuit board. When **you click on the wires**, you will have **more options to customize the wire colors** or make other adjustments to each component.



Finally, **click "Simulate"** in the upper right corner to run the circuit diagram. Teachers will then be able to see if the circuit works and can adjust the design accordingly. The entire project will be saved in your account.



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