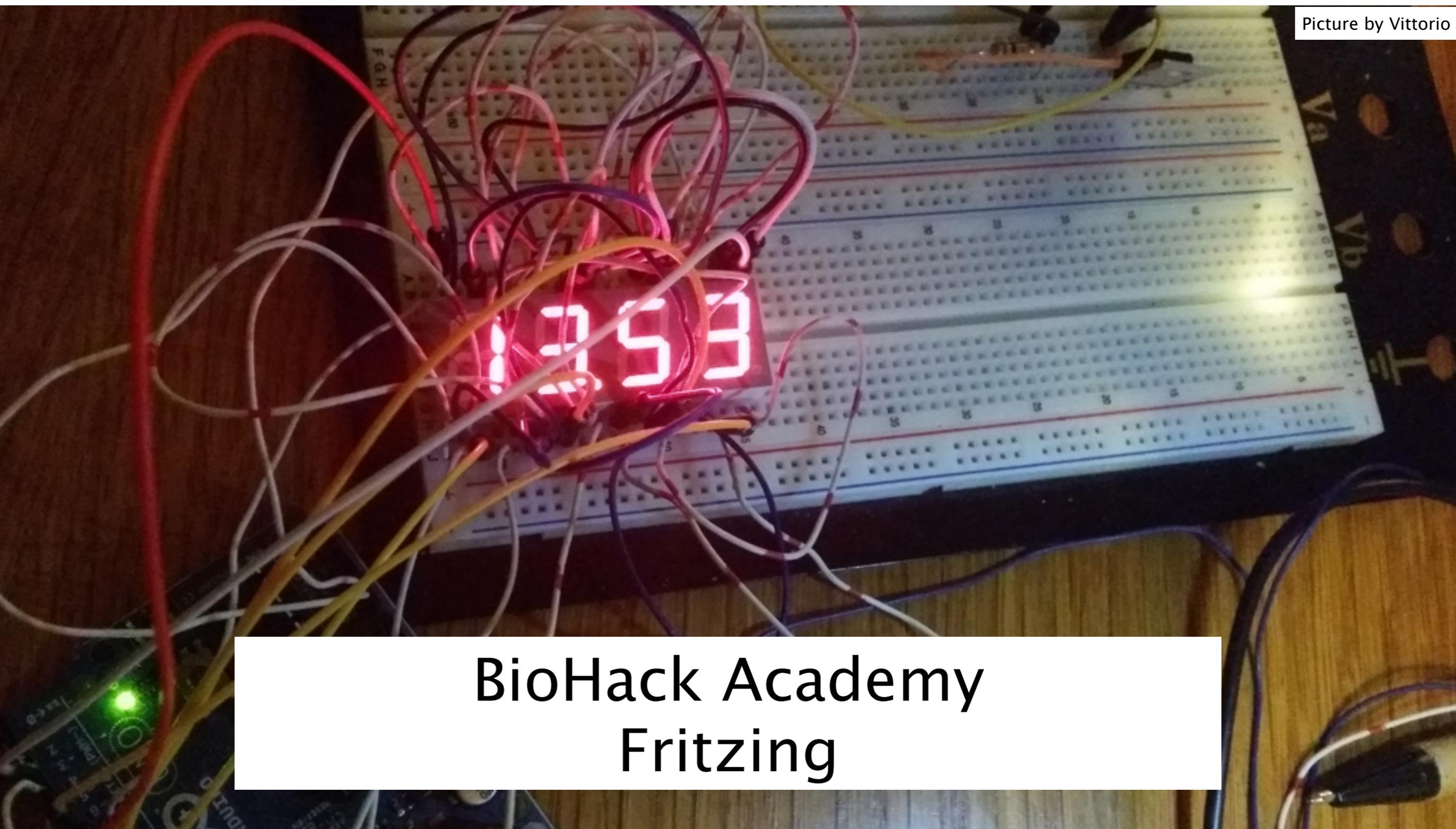




waag society

institute for art, science and technology

Picture by Vittorio

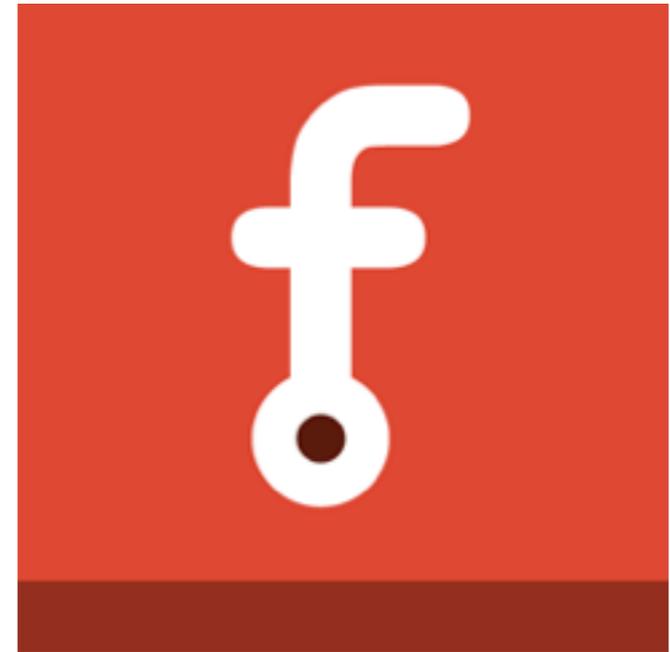


BioHack Academy Fritzing



Fritzing

- Open Source
- Developed in Potsdam
- Made for artists
- Images published under CC-BY-SA
- Platform independent





Interface

The screenshot displays the Fritzing software interface in the 'Breadboard' view. The window title is 'Untitled Sketch.fzz - Fritzing - [Breadboard Weergave]'. The top navigation bar includes tabs for 'Welcome', 'Breadboard' (which is active and highlighted in red), 'Schema', 'PCB', and 'Code'. The main workspace shows a breadboard with a grid of holes. The top and bottom rows are highlighted with blue lines, and the middle two rows are highlighted with red lines. The columns are numbered 1 to 60, and the rows are labeled with letters F, G, H, I, J. The 'fritzing' logo is visible in the bottom left corner of the workspace.

On the right side, there are two panels:

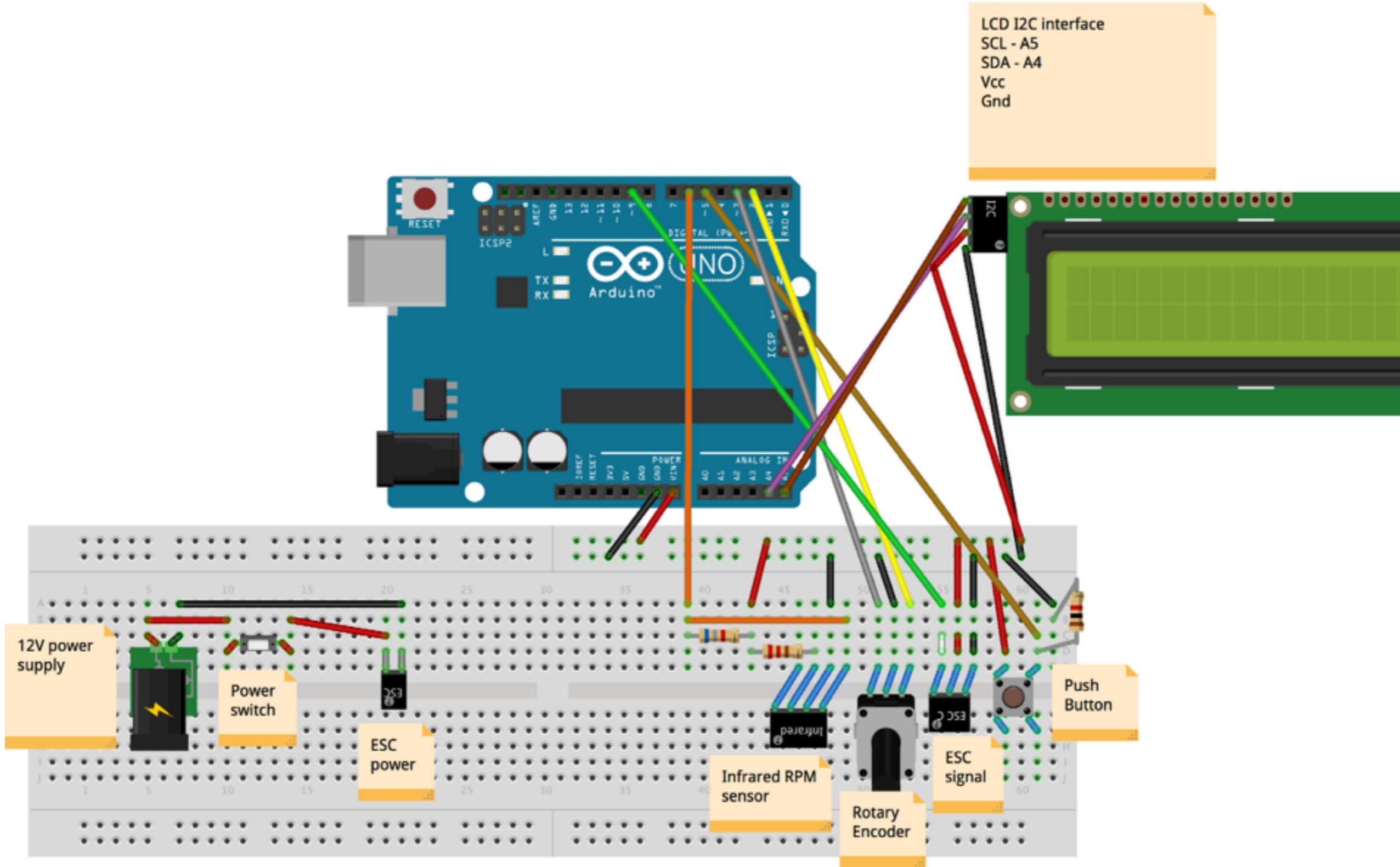
- Onderdelen (Parts List):** Contains a search bar and a list of components under 'Core Parts'. The list is organized into categories: 'CORE', 'MINE', 'Input', and 'PA'. Each category contains various electronic components represented by icons.
- Inspector:** A panel for viewing the properties of the selected component, currently empty.

At the bottom of the interface, there is a red bar with several buttons and text:

- Buttons: 'otitie toevoege' (with a document icon), 'Roteer' (with a circular arrow icon), 'Spiegel' (with a mirror icon), and 'Delen' (with a share icon).
- Text: 'Geen aansluitingen om te routen' (No connections to route).

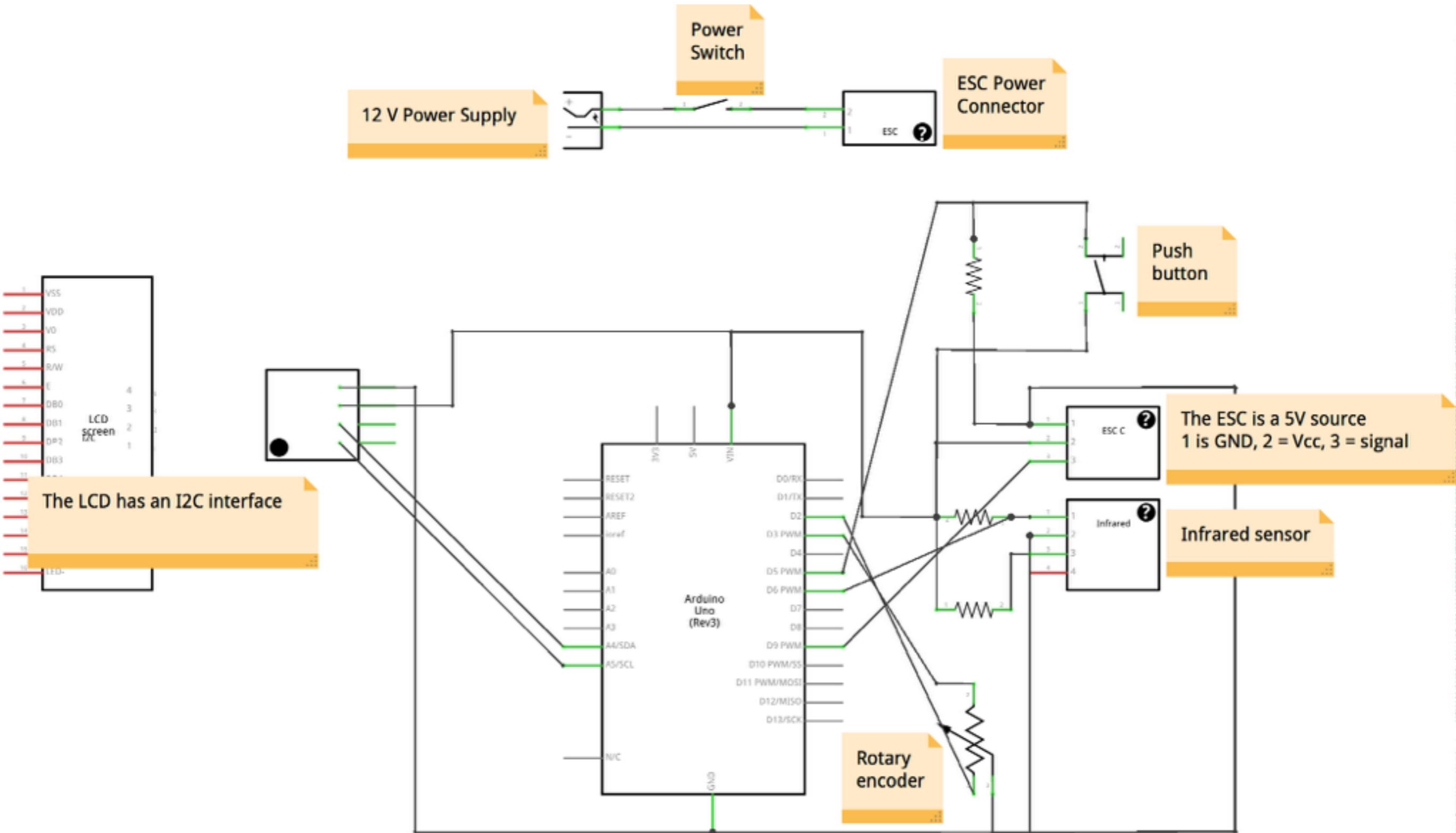


Wiring





Circuit scheme



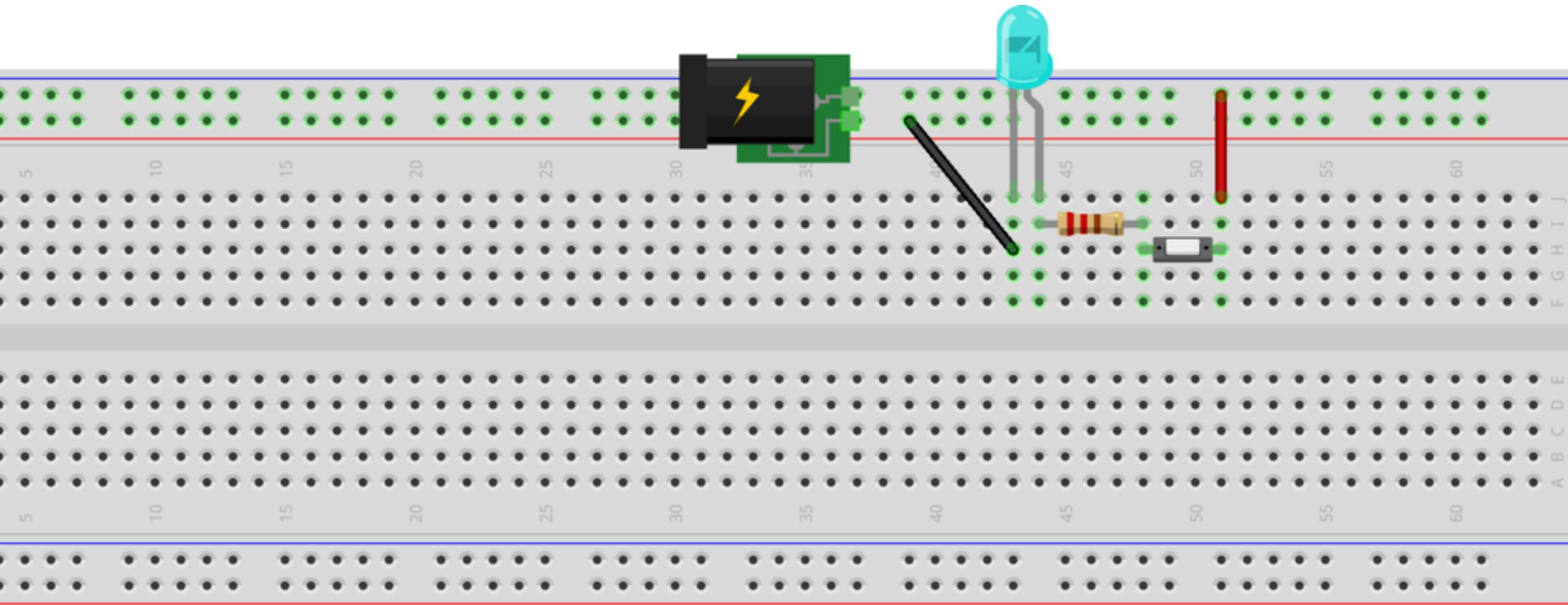


Components of a bioreactor

- Temperature sensor
- Heater
- pH sensor
- Stirrer
- Substrate pump
- Acid / Base pump
- Optical sensor
- Gas sensor
- Light sensor / switch



Let's make a simple sketch





some

rights

reserved