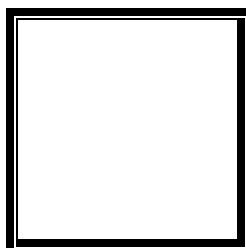




PAMANTASAN NG LUNGSOD NG MAYNILA
(University of the City of Manila)
Intramuros, Manila

Microprocessor Lab

Laboratory Activity No. 1
Familiarization with TinkerCAD



Score

Submitted by:
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CPE 0412.1 | Saturday / CPE 0412.1-2

Date Submitted
16-09-2023

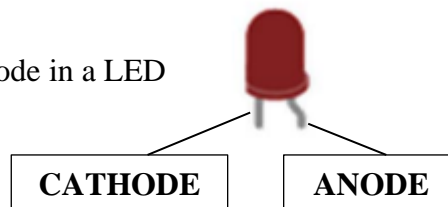
Submitted to:
Engr. Maria Rizette H. Sayo

1. Exercise

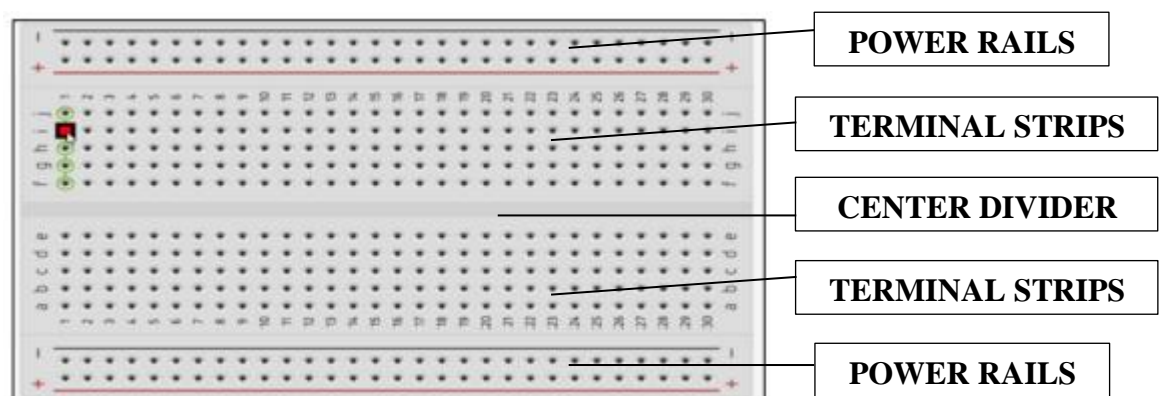
- A process in Tinkercad where we can develop electronic circuits that can be quickly updated, modified and tested is called **PROTYPING**.
- In Tinkercad, **START/STOP SIMULATION** tests the working of the circuits and the components.
- The device used to assemble and connect the various components is known as **MOTHERBOARD**.
- In an electronic circuit with LED, the positive end of the circuit should be connected to **ANODE** and negative end should be connected to **CATHODE** of the LED.
- A **RESISTOR** is used to restrict the flow of current to electrical components.

2. Label the following:

- Anode and Cathode in a LED



- Different parts of breadboard



- List the electronic components used in a circuit assembly

- Resistors
- Capacitors
- Light Emitting Diode (LED)
- Transistors
- Inductors
- Integrated Circuit (IC)
- Circuit Breaker
- Fuse
- Switch
- Transformer
- Electrical Wires & Power Cables
- Battery
- Relay
- Motor