Activity name: Control the Brightness of Light with Potentiometer

Class: VI

Date: 11/11/24

Description: Students of class VI explored the concept of controlling electrical brightness (LEDs) using a potentiometer without an Arduino. The circuit included a power source, LED, 220-ohm resistor, and potentiometer. By adjusting the potentiometer, its resistance changes the voltage across the LED, varying its brightness. This setup showcases voltage division and current control, making it a simple way to learn basic electronics and design circuits in Tinkercad. The activity enhanced their understanding of basic electronics and fostered curiosity, making it an excellent introduction to real-world applications of electrical components.

Glimpses: