

This experiment involved several potential hazards, including injury from the rotating blades of the leaf blower and wind turbines, electrical hazards from the DC motors and wiring, burns from the hot glue gun, and cuts from sharp tools such as the utility knife. To mitigate these risks, protective guards were installed around the leaf blower and turbine blades to prevent accidental contact. Electrical components were inspected prior to use, and all wiring was handled carefully to reduce the risk of shock or short circuits. Safety equipment, including gloves and goggles, was worn throughout the construction and testing phases to protect against burns, cuts, and debris. The workspace was maintained in an organized manner to prevent tripping hazards, and proper ventilation was ensured to minimize inhalation of dust or fumes from materials such as foam board and adhesive. Additionally, regular safety checks were conducted during construction and testing to maintain a secure and controlled environment, ensuring that all procedures could be carried out without incident.