



MARVEL

To tackle the issue of traffic chaos caused by malfunctioning signals, our hero, Alex, decides to create a simple LED Traffic Light System. This project will simulate a real traffic light using red, yellow, and green LEDs to control the flow of traffic safely. By wiring the LEDs and programming them to change in a specific sequence, Alex can help ensure that vehicles and pedestrians know when to stop and go.

With this project, Alex demonstrates how a small invention can have a big impact on safety in the city. By using basic electronics and coding skills, our hero not only addresses the immediate problem but also inspires others to think creatively about solutions that can make their community safer and more organized!

And that's all our hero needs—the power of innovation, Led, and code to restore order and save the day!





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TINKERCAD®

To solve the problem of traffic chaos in the city, our hero, Alex, embarks on a mission to create a simple LED Traffic Light System. While researching, Alex discovers Tinkercad, a fantastic online platform for designing and simulating electronics projects. Using Tinkercad, Alex can easily wire up the red, yellow, and green LEDs and program their sequence to control traffic flow safely.

Tinkercad is an intuitive website that allows users to create 3D designs, electronic circuits, and even code simulations. With its user-friendly interface, students can drag and drop components to build their projects visually. They can experiment with different designs and test their ideas without needing physical components. Tinkercad also provides tutorials to help beginners get started, making it a perfect tool for learning about electronics and programming. By building the LED Traffic Light System on Tinkercad, our hero not only improves safety on the roads but also inspires others to use technology creatively to solve real-world problems!