

Electrical Security System Poster Rubric

Project: Design a system that protects a vehicle and valuables

System Design & Functionality (20 pts) Security system is fully detailed; includes multiple working features (e.g., alarms, sensors, locks, cameras, GPS). Clear explanation of how the system protects the vehicle and valuables. System includes some detailed features and explains protection, though missing one important element. System includes limited features with vague or incomplete explanation of how it protects valuables. System is unclear, unrealistic, or lacks key security features.

Technical Accuracy (10 pts)

Plan uses accurate electrical/security concepts (wiring, circuits, sensors, power source). Shows understanding of real-world applications. Mostly accurate concepts with minor errors. Some inaccuracies in electrical/security explanations. Many inaccuracies, little understanding of electrical/security concepts.

Creativity & Innovation (5 pts)

Highly creative design; includes original ideas or unique solutions beyond basic alarms. Creative design with some unique features. Limited creativity; design is mostly basic. Very little creativity; copied or incomplete ideas.

Clarity & Organization (5 pts)

Poster is well-organized, easy to follow, with labeled diagrams, step-by-step explanations, and neat layout. Poster is mostly organized with some labels and explanations. Poster is somewhat disorganized, limited labels or explanations. Poster is unclear, hard to read, or missing key organization.

Visual Presentation (5 pts)

Poster is visually appealing; neat, colorful, and professional. Diagrams are accurate and detailed. Poster is neat with some visuals and color. Poster has limited visuals, messy, or lacking effort. Poster is incomplete, minimal effort, or illegible.

Total Points: 45

40–45 = A (Outstanding)

30–39 = B (Proficient)

20–29 = C (Developing)

10–19 = D (Beginning)

Below 9 = F (Incomplete/Minimal effort)