

Name _____

Sparks of Innovation: A Day in the Life of an Electrical Engineer

Open-Ended Response Answer Key

1. Answers may vary, but steps to review project requirements and collaborate with colleagues in the morning may include discussing project goals, brainstorming design ideas, and outlining initial schematics for the smartphone.
2. Electrical Engineers need to stay updated on industry trends and research new technologies to ensure they are using the latest advancements in their designs and to meet evolving consumer needs.
3. The work of Electrical Engineers impacts our daily lives by powering the devices we rely on, from smartphones to household appliances. Their innovations drive technological progress and improve our quality of life.
4. A real-world example could involve an Electrical Engineer's work on designing energy-efficient lighting systems that significantly reduced electricity consumption in a large office building. The Engineer's expertise in electrical design played a crucial role in achieving energy savings.

