


Build a Solar-Powered Mobile Charger!





Are you curious about sustainable energy and electronics? Want to harness the power of the sun to charge your devices? Look no further! In our hands-on workshop, you'll learn how to create a solar-powered USB charger from scratch. Here's what you'll explore:

1. **Solar Panel Basics:** Understand how solar panels convert sunlight into electricity.
2. **Battery Technology:** Discover lithium-polymer batteries and their role in energy storage.
3. **DC-DC Voltage Conversion:** Learn how to convert varying voltages to a stable 5V output for USB charging.
4. **Soldering Skills:** Master the art of making reliable connections.

 **Date:** 11 September 2024

 **Time:** 9:00 – 12:30

 **Location:** Faculty of Education building, Stellenbosch University.

 **Cost:** R 800 / € 40,00

Walk away with a fully functional solar-powered mobile charger that you've built yourself!

Limited spaces are available.

No prior experience needed! Whether you're a student, educator, or tech enthusiast, this workshop is for you. Charge up your knowledge and power your creativity! 