



INTRO TO E-MOBILITY

Lab and Curriculum Package

LEGACY EV

Launch students into the future of transportation with Legacy EV's Intro to E-Mobility program.

This hands-on course empowers learners of all ages to build, test, and tune a real electric powertrain using a high-performance go-kart and custom Legacy EV battery system. Students will explore EV components, wiring, programming, and safety—all while having fun and preparing for the careers of tomorrow.



What's Included?



Electric Go-Kart Kit

Go-Kart chassis, 48V motor, lithium-ion battery pack, programmable controller, swappable sprockets



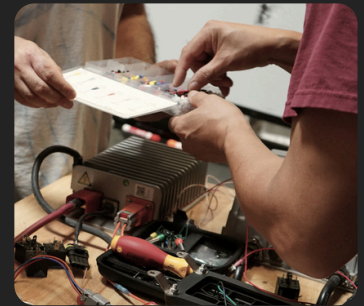
Turnkey Curriculum

18 project-based lessons, Level 1 High Voltage Safety Training, instructor guides and installation manuals



Lab Equipment

Safety gear, EV maintenance tools, electrical measurement devices, other workstation essentials

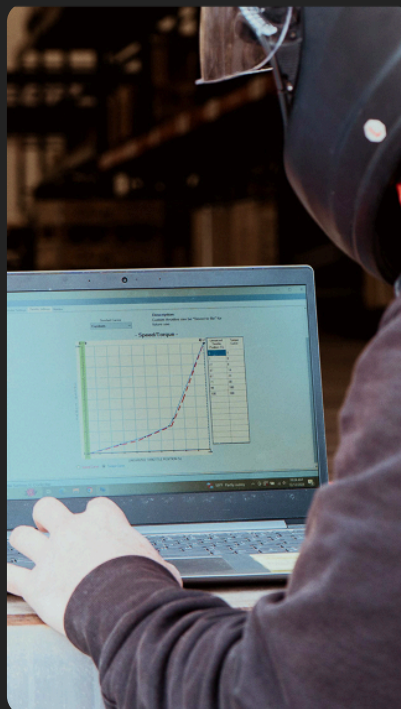


Core Learning Outcomes

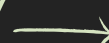
- Analyze torque, power, and energy to assess electric drivetrain performance
- Interpret wiring schematics to correctly install EV components
- Apply the scientific method to test, troubleshoot, and optimize systems
- Conduct technical inspections and basic maintenance on EV powertrains

Why Choose Legacy EV?

- **Learn by Doing:** Build circuits, test drivetrains, and analyze real performance data
- **All-in-One Kit:** All hardware and tools provided—no extra sourcing needed
- **Standards-Aligned Curriculum:** Meets NGSS, ISTE, EVSC, and STEELS frameworks
- **Educator Support:** Comprehensive teacher training and resources included



Get Started Today!



legacyev.com