Lithium-based Battery Research & Mitigation Plan [Template]

If you are using a Lithium-based battery, you must 1) Submit this plan along with your binder documentation by March 27, 2026; and 2) Submit this plan to the Inspector at the competition on April 11, 2026. Be sure to check the Technical Rules to ensure your battery is allowed.

Prepared By: [Team / Bot name], [School Name]

Teacher Name:

Dated:

Battery Mitigation Plan Template

Instructions:

If your team is using a lithium-based battery that is approved per the Technical Regulations, please describe your team's plan for preventing and responding to battery fires or damage. Use this template to show that your team understands how to handle and store your specific battery safely.

1. Battery Information (≤ 50 words)

- Battery type and model:
- Voltage and capacity (V / mAh):
- How and where it will be used in your robot:
- Manufacturer's safety documentation reviewed? (Y/N)

---

2. Prevention Plan (≤ 250 words)

Describe **how your team will prevent battery damage or fire**, including:

- Proper charging practices (charger type, supervision, area)
- Safe storage and transport (containers, temperature, padding, isolation)
- Inspection before/after use (check for swelling, punctures, leaks)

---

3. Incident Response Plan (≤ 250 words)

Describe **what your team will do if a battery is damaged or catches fire**, including:

- Who is responsible for safety at the event
- Steps to isolate the battery or robot
- Type/location of fire extinguisher or sand bucket
- Evacuation or alert procedure