

e-Bike Safety for Students

e-Bikes have become popular gifts for K-12 children, highlighting the need to balance excitement for new technology with safety. This trend has raised concerns, prompting authorities to stress proper usage, adherence to regulations and the importance of safety gear for younger, less experienced riders. Here are some essential safety tips:



General E-Bike Safety Tips

Wear a Helmet

Always wear a properly fitted helmet to reduce the risk of head injuries.

Ride Defensively

Be aware of surroundings, follow traffic rules and use hand signals.

Use Lights & Reflectors

If riding at night or in low visibility, use front and rear lights and wear reflective gear.

Avoid Overloading

Carry only the recommended weight to prevent strain on the motor and battery.

Proper Braking

Learn how to use front and rear brakes effectively to avoid skidding or losing control.

Follow Local Laws

Check and obey local regulations regarding e-bike speed limits, age restrictions and where they can be ridden.

Lithium-Ion Battery Safety Tips

Never Overcharge

Unplug the battery when fully charged to prevent overheating and reduce fire risks.

Inspect Regularly

Check for swelling, leaks, or damage. If you notice anything unusual, stop using the battery immediately.

Dispose of Properly

Do not throw old batteries in regular trash. Take them to a recycling center or follow local disposal guidelines.

Avoid Extreme Temperatures

Store and charge batteries in a cool, dry place; extreme heat or cold can degrade battery life.

Don't Modify or Puncture

Never open or tamper with the battery, as this can cause a fire hazard.

Charge in a Safe Location

Charge batteries on a non-flammable surface, away from direct sunlight, water, or flammable materials.

Use Manufacturer-Approved Chargers

Only use the charger that came with the e-bike or an approved replacement.

Emergency Precautions

If a battery starts overheating, smoking, or catching fire, use a Class D fire extinguisher (not water). In case of fire, evacuate immediately and call emergency services. If your e-bike gets wet, dry it completely before charging to prevent short circuits.

Resources

e-Bikes Policies & Laws

<https://www.peopleforbikes.org/topics/electric-bikes>

National Fire Protection Association (NFPA)

<https://www.nfpa.org/forms/e-bike-fire-safety>

Texas' Electric Bicycle Law

<https://www.peopleforbikes.org/topics/electric-bikes>



Provided by:

