



EPA Clean School Bus Program

Electric School Bus Activity Book:

GUIDE FOR PARENTS AND CAREGIVERS

Hello Readers,

Did you know that most motor vehicles such as cars, trucks, and even school buses cause air pollution, which can contribute to poor air quality and negatively impact human health? **That is why the Clean School Bus Program is working with school districts across our country to transition their school bus fleets from older diesel buses to new, clean, low-emission and zero-emissions models.** Cleaner school buses lead to cleaner air, which keeps all of us healthier.

The Electric School Bus Activity book was created by the United States Environmental Protection Agency (EPA) to teach children and their caregivers about clean transportation. This interactive activity book allows children to explore clean transportation, electric school buses, public health, and climate change through coloring, games, riddles, and storytelling. It is designed for kindergarten through fifth grade learning levels. This guide highlights key vocabulary and provides further discussion points on each topic covered within the activity book. You can use this guide to help your child understand the relationship between clean transportation and a healthy community. Buckle up and enjoy the ride!

Clean Transportation

Vocabulary: fossil fuel, exhaust, alternative fuel, emissions

Discussion questions:

- What does it mean for a vehicle to have zero tailpipe emissions?
- What types of school buses do you think are best for the environment and why?
- Are fossil fuels a renewable or nonrenewable resource?
- What role do clean school buses play in clean air?

Electric School Buses

Vocabulary: charger, charge port, battery, motor, electrical grid

Discussion questions:

- What features are unique to an electric school bus?
- If an electric school bus is like a giant battery, what could it power?
- Can you identify other types of clean vehicles?
- Have you seen any electric vehicle chargers in your community? If so, where?

Public Health

Vocabulary: air, health, asthma, community

Discussion questions:

- Why is it important to have clean air?
- Besides humans, what other living things need clean air?
- Does it matter if our environment is healthy? Why or why not?
- Identify other types of pollution besides air pollution.
- What do you do to keep your body healthy?
- What do you do to keep your community and planet healthy?

Climate Change

Vocabulary: planet, pollutant, pollution, atmosphere, greenhouse gases

Discussion questions:

- What are greenhouse gases and what do they do to our planet?
- What role do greenhouse gases play in climate change?
- How do clean school buses reduce greenhouse gases?
- How can you reduce the amount of greenhouse gases in our environment?

