

Green Routes to the Future: Electric School Buses

Did you know that, in Canada, 2.2 million students take the bus to school every day?
Did you also know that diesel buses are linked to big environmental, health, and social issues?
Do you want to help fight climate change and make an impact?

**JOIN THE GREEN ROUTES TO THE FUTURE PROJECT
TO ADVOCATE FOR MORE ELECTRIC SCHOOL BUSES!**






Electric School Buses (ESBs) are powered by batteries rather than of fossil fuels, therefore they have a much smaller environmental impact than diesel buses, and significantly reduces students' exposure to diesel exhaust.

Positive change is happening, and you can be a part of it! Earth Rangers is part of the Canadian Electric School Bus Alliance, a collaboration of organizations across Canada advocating to accelerate the electrification of school buses nationwide.

By participating in this project, you have an opportunity to lend your voice to a real environmental initiative taking place across Canada, and practice positive advocacy by educating yourself and others, raising awareness, and taking action in your community.

WHAT'S WRONG WITH DIESEL-POWERED YELLOW SCHOOL BUSES?

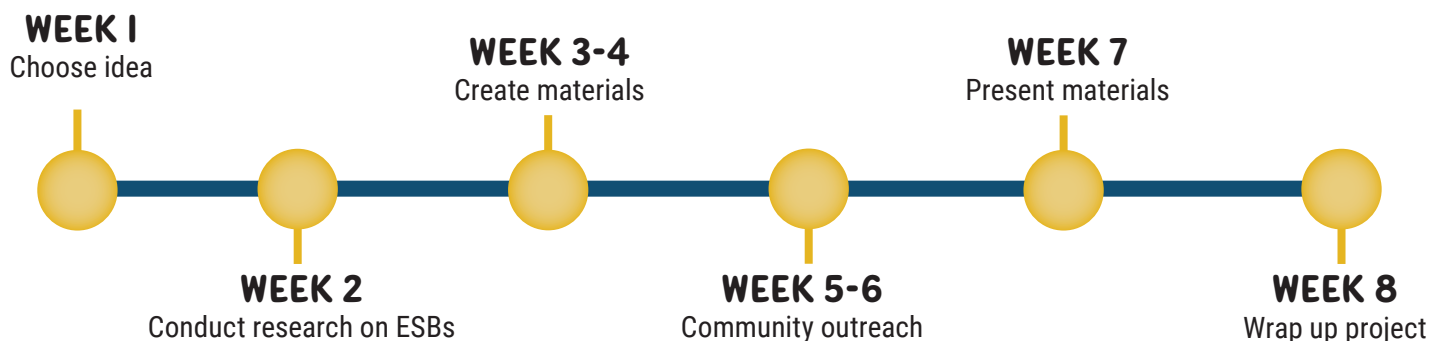
ENVIRONMENTAL ISSUES	HEALTH ISSUES	SOCIAL ISSUES
 <ul style="list-style-type: none"> • Greenhouse gases are produced by diesel buses, contributing to climate change • Diesel buses have a shorter lifespan than an ESBs, which means more automobile waste created • Diesel emissions and fuel can contaminate the air, water, and soil 	 <ul style="list-style-type: none"> • Emissions and particulate matter contribute to poor air quality • Air pollution from diesel exhaust can cause asthma, lung problems, and in some cases, lung cancer • Air pollution levels are generally higher inside a diesel bus than they are outside 	 <ul style="list-style-type: none"> • Underprivileged areas often already deal with lots of other pollution sources • There are direct links between pollution and lower student academic achievement

ER TEENS WANTS TO EMPOWER YOU TO USE YOUR VOICE TO STAND UP FOR STUDENTS' HEALTH AND THE ENVIRONMENT!

To complete this project, select one of the ideas below or use your creativity to come up with another method to raise awareness (art, creative writing, social media, or videos all count). Keep us updated on your progress and how we can support you.

Email us when you're ready to get started!

Timeline to complete project: 8 WEEKS



PROJECT IDEAS

Info Session

1. Create a slideshow or video presentation that outlines the benefits, provides data and research, and shares success stories from other communities
2. Reach out to your school, parent-teacher council, local Rotary club, an environmental group, city council, or the general public, and set up an info session
3. Share with us if you would like feedback on your presentation
4. Present what you learned to others to raise awareness and voice your concerns

Informational flyers

1. Create a brochure or flyer which highlights the importance of electric school buses and include resources for others to learn more
2. Share it with us if you would like some feedback on the content or graphic design
3. Get permission to distribute the brochures/flyers at school, your library, community centre, neighbourhood gatherings.
4. Talk to others about ESBs and encourage them to learn more

Petition/writing campaign

1. Research who in your area can help create change for student transportation (school principal, school trustee, superintendent, city council etc.)
2. Create a petition or letter in support of the transition to ESBs, including clearly outlined information about the importance of action
3. Gather signatures or letters from classmates, peers, parents, and community members to advocate for the prioritization of electric school buses.
4. Present the petition or letter to the changemaker

RESOURCES ABOUT ESBS

General Information about ESBS

[Electric School Bus Backgrounder](#) (For Our Kids)

[Resources to bring ESBS to your Community](#)
(For Our Kids)

About ESBS in Canada

[Provincial Scorecard](#) (Electric Mobility Canada)

[Pathways for School Bus Electrification](#) (CESBA, Équiterre, Green Communities Canada, Dunsky Energy and Climate)

[Info Sheet on Investing in Canada funding stream](#)
(Infrastructure Canada)

Health and ESBS

[Activating Change on Traffic Related Air Pollution Health Impacts by Canadian Physicians for the Environment](#) (Canadian Association of Physicians for the Environment)

[Making Climate Justice Central to the Process of Zero-Emission Vehicles](#) (Équiterre and David Suzuki Foundation)

[Decarbonizing Electricity and Decolonizing Power: Voices, Insights, and Priorities from Indigenous Clean Energy Leaders](#) (David Suzuki Foundation)

Charging Infrastructure

[Implement a complete charging infrastructure solution in 6 easy steps](#) (Lion Electric)

[Charging Options for Heavy Duty Electric Vehicles](#)
(Lion Electric)

[Opportunities for accelerating school bus electrification in Ontario](#) (Pollution Probe)

ESB Batteries

[What Happens at the End of the Electric Vehicle's Battery?](#) (Call2Recycle)

[Role of Critical Minerals in Clean Energy Transition](#)
(World Energy Outlook)

[How to Ensure a Sustainable Future for Electric School Bus Batteries](#) (World Resources Institute)

[One of the biggest myths about EVs is busted in new study](#) (The Verge)

[Bacteria can help to recycle EV batteries](#)
(Air Quality News)

[Surprising Discovery: EV Batteries Outlast Vehicles](#)
(EV Base)

[10 Ontario cleantech companies ready for the EV revolution](#) (Invest Ontario)



Photo: Lion Electric