

STUDENT IMPACT PROJECT IDEAS

Sustainability Ambassadors

Rapidly advancing a more sustainable future



TRANSPORTATION SYSTEMS

Take action at home, at school or in the community. Communicate your impact to peers, stakeholders, and policy makers to urge collective action. Post your actions [on the map](#).

TOP TEN: If you are especially proud of the impact of your project, and it meets our criteria, we invite you to submit your work to our Annual Top Ten Impact Projects.

1. Use the [Family Carbon Footprint Calculator](#). Notice that a big percentage of your carbon footprint is from transportation choices. What are the easiest actions you could take to reduce your footprint in this category?
2. **Drive less and use less gasoline.** You'll also save water. It takes about 3/4 of a gallon of water to extract, refine and transport the gas used to drive one mile. The average person in the US drives 37 miles per day.
3. **Keep your vehicle properly maintained** and your tires properly inflated. Your car will run more efficiently and use less fuel.
4. **Don't let your engine idle.** It wastes gasoline and therefore water. Install "No Idle Zone" signs at your school where parents drop off.
5. Calculate the "**walkability**" of where you live. Make personal adjustments and advocate for change. Learn more about your neighborhood [Walkscore](#). And also read up on [walkable cities at Project Drawdown](#).
6. Get exercise and reduce your footprint by **riding your bike everywhere** specially to school. Participate in a [Bike to School Campaign](#).
7. Advocate for safer routes to school by researching your city's **Bike Plan**. See also the importance of improving [bike infrastructure at Project Drawdown](#).
8. Analyze the bike infrastructure of Denmark and produce a plan for how you would create something similar in your own city by 2050. [A Nation of Cyclists](#) | [What makes Copenhagen the world's most bike-friendly city?](#) | [VIDEO - Five Keys To The Perfect Cycling City](#)
9. Develop a set of recommendations for more [Electric Bikes](#) in your city and at your school. E-bikes are the most environmentally sound means of motorized transport in the world today. As they grow more effective and affordable, e-bikes are increasingly drawing people

out of more polluting modes of transportation, such as driving solo. See [Electric Bikes at Project Drawdown](#).

10. Organize your school or neighborhood using a free and secure app helping families find others to carpool, walk, or bike together to and from school. Investigate [SchoolPool](#) or [Pogorides](#). See the importance of [carpooling at Project Drawdown](#)
11. Research the [best reasons](#) for **buying an Electric Vehicle** (EV) and develop a campaign to inform your parents, peers and classes. See the importance of [EV purchases at Project Drawdown](#). Develop a set of recommendations or advocacy campaign to build awareness among your peers, clubs and classes.
12. Develop a set of recommendations for **electric school buses** and share this with your school district transportation department and school board. [Read the report](#).
13. Develop a set of recommendations for more [King County Electric Metro buses](#) coming to your neighborhood. Read the report: [Electric Buses in America](#)
14. How would you plan for more **public EV charging stations** at school or around your city? How would you pay for this? Where would you place them? How many would you place at school?
15. Design and recommend a **covered bike rack area** at your school that could accommodate at least 25% of your student population and include solar panels on top to serve charging stations for student E-bikes.
16. Create a TOD plan for your city that takes full advantage of how to develop housing, shopping, services, and open spaces densely clustered around transit centers either for bus or light rail. See [King County Transit Oriented Development](#).