Learn more about IP3 Strategy here

# Why I get Around by Bus

**Your name, Class of \_\_\_\_**
**School, School District, City**

## 1. Impact Design

**Impact Statement -** If I take the bus to my destination instead of driving a car, I can significantly reduce the carbon emissions of my travel!

| Community Alignment | |
|---|---|
| **Group** | **Goal/Action** |
| **Transportation Choices Coalition** - Advocate for sustainable and equitable transportation. | Engaging in advocacy, education, and community outreach, including organizing events, workshops, and campaigns to promote awareness and support for sustainable transportation options across the state. |
| **King County Metro** - Enhance the quality and effectiveness of public transportation services in King County. | Their actions involve attending meetings, participating in public input sessions, and collaborating with transit authorities to address issues related to routes, schedules, and the overall rider experience. See these maps to view routes near you. |
| **Puget Sound Sage** - Social, economic, and environmental justice. | They advocate for equitable transportation spending, planning, and decision-making that aims to directly benefit low-income communities and communities of color. |

**Procedure** - *Steps for implementation!*

1. **Get with some friends or family and plan an activity!** Plan to go to the Seattle Art Museum, Pike Place Market, a coffee shop, or somewhere cool near you.

2. **Plan your route** by looking at a mapping app like Google/Apple Maps on how to get there. Click on the bus option on the mapping app! 
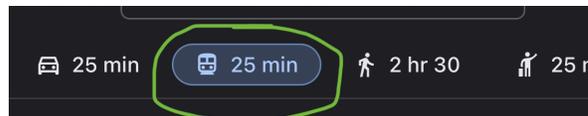
3. **Head to the bus stop!** Walk to a stop near you and get on the bus by using your *Orca Card (free for 18 and under)!*

4. **Arrive at your destination** and do your activity!

5. **Repeat** steps 2-6 for your way back home!

6. **Track the amount of miles you traveled!** Remember to track your whole route, round-trip. Use the calculations below based on your route and see how many pounds of CO2 you saved taking public transit over a car!

7. **Tell all your friends and family and do it again!**

# 2. Impact Data Tracking *- Quantify your impact!*

**Initial Baseline Data:**
**Car Fuel Efficiency:** Google your car's make and model to find the average fuel efficiency. Ex. 5 miles per gallon (mpg).
**Bus Fuel Efficiency:** For King County Metro the fleet consists of hybrid, electric, or diesel buses, we will take the fuel efficiency based off the most common, diesel-electric buses. This is 6.3 mpdge (miles per diesel gas equivalent).
**Distance of the Journey**: Count the miles you traveled (round trip)!
**Number of Passengers on the Bus:** Use the capacity of the bus to find this, take note of what length bus you're riding! See here.

**Calculations:**

1. **Car Emissions:**

# miles / # mpg = Car Fuel Consumption
# Car Fuel Consumption (gallons) x 2421 grams CO2/gallon x 0.00220462 grams/lbs = # lbs Car Emissions

2. **Bus Emissions:**

# miles / (6.3 mpg x # Passengers) = Bus Fuel Consumption
# Bus Fuel Consumption x 2778 grams CO2/gallon x 0.00220462 grams/lbs = # lbs Bus Emissions

3. **Results:**

# lbs Car Emissions - # lbs Bus Emissions = # lbs CO2 emissions avoided by taking public transit!

# 3. Impact Storytelling - *Share your data with who needs to know!* **See more** [tips](#)

Think on 4 scales of stakeholders… Family, School, Community, and Aligned Groups

| Stakeholder | Interests | Approach |
|---|---|---|
| Family and Friends — | Saving money on Gas and Parking and Reduce Emissions | **Plan a Bus Adventure:** Plan to go somewhere fun with your friends by taking the bus. You can all meet together at a Park and Ride, then find your bus that takes you to your destination. Use maps on your phone to help you locate the perfect route and follow that! |
| School — Staff and Admin | Saving money on Gas and Parking and Reduce Emissions | **Email Staff and Admin**: Write emails through the school that informs staff and even students with information about taking the bus to work and how effective and inexpensive it is. Staff can pass along information to their students and parents and how easy it is! |
| Community — Commuters | Saving money on Gas and Parking, Reduce Emissions | **Show Ridership and Give Feedback:** Use buses regularly to boost ridership along with giving feedback to transit agencies based on your experiences for system improvement! |
| Aligned Groups — Transportation Choices Coalition | Equitable transit access | **City Climate Activism:** Attend meetings, volunteer, and stay connected online for updates on advocacy workshops to deepen your understanding of transportation and possible issues that may arise. |

For the opportunity to earn Volunteer Service Hours for your efforts… *Submit Your Project here*!