Carbon Calculator
Transportation

Audit each classroom twice: first at the *beginning* of the Challenge to gather preliminary data and then again at the *end* of the Challenge, to see whether classrooms successfully met their reduction goals. Use this worksheet to collect all data (or feel free to create your own!), whether from one classroom, grade level, floor, or the entire school. Make as many copies as needed. Enter the sum of all the data into the *Transportation* tab of the Carbon Calculator., where CO_2 emission reductions will be calculated.

Transportation

Travel varies according to where we live and where we need to go. Every mode of transportation has an impact on an individual's health, community, and the environment. Often our modes of transportation rely heavily on methods that add significant amounts carbon dioxide (CO_2) into the atmosphere. Take a look at how the school community travels to and from school, by bus, driving or being driven, walking or riding a bike. One strategy to use is to promote and communicate alternatives forms of transportation and safe routes to school.

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CARBON CALCULATOR WORKSHEET: TRANSPORTATION

CLASSROOM NAME/#: _____		
Transportation Inputs	**Before Taking Action**	**After Taking Action**
Single Driver		
1. What is the average roundtrip distance (miles per day) traveled per day, by students and staff?		
2. What is the average number of days students and staff drive alone? (Parent and student, student only, staff member only)		
3. What are the average miles per gallon (MPG) for single driver vehicles?		
Carpoolers		
4. How many days per week, on average do students and staff carpool to school? (Parent and student pluse other students, multiple students, multiple staff)		
5. What are the average miles per gallon (MPG) for carpool vehicles?		
6. What are the total # of people traveling in the carpool?		
Walkers and Bike Riders		
7. In a week, what are the average number of days students and staff walk or bike to school?		

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