



Transportation Classroom Supplement

As you work towards greening your classroom by assessing the transportation efforts in your school, you can use this classroom supplement to help you fill out your report card. This document can also guide your students in the certification process by providing opportunities for in-class activities, discussion, and data collection. This supplement is a resource for you and is NOT a required part of the program; however, in some cases data from the audits you conduct will be used in your report card.

Transportation Audit

Collect transportation data for one week and record your findings on the table below. Complete Table A for each student in your classroom (or several classrooms). Be sure to print enough copies for every student or put one large table at the front of the classroom where students can tally their data daily. At the end of the week calculate the following: 1) the Week Total and Week Average for each category, 2) the Total Counted for each day, and 3) the Total Number of people counted during the week and the average daily total count. When you have completed all of the datasheets, enter the totals into Table B (Summary) and answer the audit questions.

Tips for Counting Carpools: If a student is riding in a vehicle, ask them if they are in a carpool (two or more students in one car). Keep track of this information and calculate the average number of people in carpools per day. Do not include the carpool column numbers into the total counted column; you've already accounted for these students.

Table A Audit- What mode of transportation do students use to get to school?

	Personal Vehicle					Bus		Bike	Walk	Total Counted	Carpool
	Hybrid, electric vehicle	Car	Minivan /Van	Truck	SUV	School	Public				
Monday											
Tuesday											
Wednesday											
Thursday											
Friday											
Week Total											
Week Average											

Table B Summary- Summarize your findings from your Transportation Audit here

	Personal Vehicle					Bus		Bike	Walk
	Hybrid, electric vehicle	Car	Minivan/ Van	Truck	SUV	School	Public		
Student Weekly Average									
Percentage of Students *									
Percentage of Students Carpooling									

* Divide the Weekly Average by the average number of students in attendance that week and multiply by 100. $\text{Weekly average} / \text{Average counted} * 100 = \text{Percentage}$

Example: An average of 15 students walk to school every day. The weekly average of total students counted was 300.



$$15 / 300 = 0.05$$

$$0.05 * 100 = 5\%$$

5% of the students polled walk to school.

Transportation Audit Report Card Questions

1. After studying the transportation patterns at your school for one week, what is the combined school-wide percentages* of use (students) for each of the following forms of transportation:

* Combined school-wide percentage = (Weekly student average) / (Average students counted) * 100

2. What is the percentage of students arriving to school in a carpool each day?

Fuel Audit

The following table will allow you to explore transportation issues regarding vehicle fuel. Please feel free to modify or duplicate this table to best meet the needs of your classroom.

Besides buses, what types of vehicles does your school own or use, what are they used for, and what kind of fuel do they use? Consider vehicles used for driver's education programs, food delivery trucks, etc.

Type of vehicle	Number	Use	Type of Fuel (biodiesel, electric, hybrid, conventional)
Car			
Van			
Truck			
SUV			
Charter Bus			
Other			