EcoSchools U.S.
NATIONAL WILDLIFE FEDERATION

Track School Transportation Emissions
Survey Kit

How we get to and from school has a big impact on traffic congestion, air quality, greenhouse gas (GHG) emissions, and the community.

This action focuses on tracking how staff and students travel to and from school to better understand transportation-related greenhouse gas emissions and prompt students, staff, and families to consider the environmental impact of their regular modes of transportation.

This action can be led by an Action Team or conducted as a classroom-based project and is an excellent yearly action to provide insight into your school's transportation-related GHG emissions.

INSTRUCTIONS

- Conduct your survey: Distribute the ***Survey Questions*** (see page 2) to members of your school community. Aim to survey a minimum of 30% of your school (i.e., if you have 20 classrooms in your school, survey a minimum of 6 classrooms).
- Record survey responses: Use the ***Survey Response Table*** (see page 4) to record all survey responses. See page 3 for instructions on how to collect this information.
- Compile all responses: Transpose the responses from all ***Survey Response Tables*** onto the ***Survey Results Table*** (see page 5). This will highlight the total number of respondents and the total daily commute for each mode of transportation.
- Calculate survey responses: For each mode of transportation, populate the ***Survey Analysis Table*** (see page 7) by first transposing data from the ***Survey Results Table*** and conducting a few calculations. See page 6 for instructions on how to complete the ***Survey Analysis Table***.
- Track change (optional): To determine if your school's transportation habits have changed after your campaign, consider conducting another survey later in the year and comparing results.

Go to the *Track School Transportation Emissions* action card and insert your results from the *Survey Analysis Table* into the associated Certification Question.

Track School Transportation Emissions

Survey Kit: Survey Questions

1. Aim to survey a minimum of 30% of your school. Those surveyed should reflect your whole-school population (e.g., multiple grade levels, school staff, etc.).
2. Determine how you want to conduct your survey:
   - Verbal survey: Ask the questions listed below and record all responses on the ***Survey Response Table*** (page 3/4).
   - Paper survey: Cut out and distribute copies of the survey (below) to all classrooms in your school. To ensure respondents only participate once, consider distributing the survey to all classrooms at the same time.
   - Online survey: Create an online survey and save paper! Share the survey through various communication channels including social media.

On a typical school day, what is the mode of transportation you use to get to and from school? (circle answer)

If you take multiple modes of transportation to get to school, choose the one which takes up most of your commute.

Walk School Bus Car Bike Carpool (2+)

Electric Vehicle Subway City Bus Motorcycle

2. Estimate the total distance you travel each day to get to and from school (take the distance from your home to school and multiply it by two).

Your initials (optional)

If you travel to school from multiple locations, put down the distance of the longer commute. ☐ miles ☐

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Your initials (optional)

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Survey Kit: Survey Response Table Instructions

1. Use the ***Survey Response Table*** (see page 4) to record and calculate all survey responses.
2. Optional: If you distribute and collect responses by classroom, compile information by classroom.
3. Designate one row for each survey respondent.
   - Optional: Record the name or initial of the respondent under the ***Respondent Name*** column.
   - Indicate the mode of transportation the respondent identified for ***Survey Question One*** by adding a check under the corresponding column.
   - Record the distance the respondent reported for ***Survey Question Two*** beside the checked box.
   - Leave all other columns blank.
   - After collecting all responses for your group, add up the total number of boxes checked off for each column and record it under the ***Total # of Responses*** row.
   - For each column, add up the distances reported and record it for the ***Total Commute Distance*** row.

Class/Period Name (optional): Room 14

Respondent Initials (optional)	Walk	School Bus	Car	Bike	Carpool (+2)	Electric Vehicle	Subway Metro Rail	City Bus	Motorcycle
K.R.	✓ *3 miles*					✓ *3 miles*			
A.B.				✓ *2 miles*					
T.S.		✓ *8 miles*							
K.B.					✓ *12 miles*				
J.H.		✓ *6 miles*							
Total # of Responses	*1*	*2*	*0*	*1*	*1*	*1*	*0*	*0*	*0*
Total Commute Distance (miles)	*3 miles*	*14 miles*	*0 miles*	*2 miles*	*12 miles*	*3 miles*	*0 miles*	*0 miles*	*0 miles*

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Survey Kit: Survey Response Table

Class/Period Name (optional): _____

Respondent Initials (optional)	Walk	School Bus	Car	Bike	Carpool (+2)	Electric Vehicle	Subway Metro Rail	City Bus	Motorcycle
Total # of Responses									
Total Commute Distance (miles)									

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Survey Kit: Survey Results

Instructions:

- Use each column below to transpose the responses from each of your ***Survey Response Table***.
- Include the ***Total # of Responses*** and ***Total Commute Distance*** for each mode of transportation.
- Once the table is complete, add up the ***Total # of Respondents*** and ***Total Commute Distance*** for each mode of transportation, in the ***School Total*** column.

Mode of Transportation	Classroom/ Sample Group	*Sample Group*								
Walk	**Total # of Responses** **Total Commute Distance (miles)**	*(1)* *3 miles*								
School Bus	**Total # of Responses** **Total Commute Distance (miles)**	*(2)* *14 miles*								
Car	**Total # of Responses** **Total Commute Distance (miles)**	*(0)* *0 miles*								
Bike	**Total # of Responses** **Total Commute Distance (miles)**	*(1)* *2 miles*								
Carpool (2+)	**Total # of Responses** **Total Commute Distance (miles)**	*(1)* *12 miles*								
Electric Vehicle	**Total # of Responses** **Total Commute Distance (miles)**	*(1)* *3 miles*								
Subway Metro Rail	**Total # of Responses** **Total Commute Distance (miles)**	*(0)* *0 miles*								
City Bus	**Total # of Responses** **Total Commute Distance (miles)**	*(0)* *0 miles*								
Motorcycle	**Total # of Responses** **Total Commute Distance (miles**	*(0)* *0 miles*								

Track School Transportation Emissions

Survey Kit: Survey Analysis Table (Instructions)

1. Insert data from the Survey Results Table(s) to the first two columns of the Survey Analysis Table (**Total Commute Distance** column and **Total Number of Responses** column)
2. Follow the instructions below to populate the remaining columns. See the sample table and calculations for guidance:

- **Total Commute Distance (A):** transpose from ***Survey Results Table***
- **Total Number of Responses (B):** transpose from ***Survey Results Table*** (from School Total column)
- **Proportion of School-Wide Responses (D):** Total Number of Responses **(B)** divided by Total Number of Survey Responses **(C)**
- **Average Daily Commute Distance:** Total Commute Distance **(A)** divided by Total Number of Responses **(B)**
- **Total School Population:** Add up the total number of staff and students in your school **(E)**
- **School-Wide Total Number of Staff/Students Using Mode:** Proportion of School-Wide Responses **(D) x** Total School Population **(E)**

Mode of Transportation	Total commute distance (miles)	Total number of responses	Proportion of School-wide Resonses (%) B/C	Average daily commute distance (miles) A/B	Total school population	School-Wide Total # of Staff/Students Using Mode D x E
Walk	2234 miles (A)	67 (B)	39 % (D)	33.3 miles	350 (E)	137
Bike	1472 miles	52	30 %	23.3 miles	350	105
School Bus	137 miles	53	31 %	2.6 miles	350	108
	Total Number Survey of Responses:	172 (C)				

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Survey Kit: Survey Analysis Table

After completing this table, go to the ***Track School Transportation Emissions*** action card and insert your results from the table into the associated Certification Questions.

Mode of Transportation	Total commute distance (miles)	Total number of responses	Proportion of School-wide Resonses (%) B/C	Use these values for Certification Question 9 Average daily commute distance (miles) A/B	Total school population	Use these values for Certification Question 8 School-Wide Total # of Staff/Students Using Mode D x E
Walk	(A)	(B)	(D)		(E)	
School Bus						
Car						
Bike						
Carpool (+2)						
Electric Vehicle						
Subway Metro Rail						
City Bus						
Motorcycle						

Total Number of Survey Responses	(C)