**Transportation Challenge**

**In this activity, you will use Google Maps to explore the pros and cons of different types of transportation.**

Map the route from your home to your school using different types of transportation and fill in the information on the table. Follow these steps:

1. Go to google.com/maps
2. Click the directions  button and type in your home and your school.
3. The buttons at the top  let you choose different types of transportation. Choose the “Walking” icon and complete the first row of the table.
4. Repeat #3 for Bike, Bus, and Car. To measure distance on the map, right click and type “Measure Distance.”
5. Circle the type of transportation that you currently take to school.

| **Transportation Type** | **Miles** | **Time** | **Cost** | **Pounds of Carbon Dioxide (CO2) Emitted** | **Calories Burned** |
| --- | --- | --- | --- | --- | --- |
| Walk |  |  | $0 | 0 | *Number of miles times 65* |
| Bike |  |  | *Number of miles times $0.10* | 0 | *Number of miles times 50* |
| Bus |  |  | $2 | *Number of miles riding the bus times 0.31* | *Number of miles riding the bus times 2*  *Number of miles walking times 65* |
| Car |  |  | *Number of miles times $0.45* | *Number of miles times 0.71* | *Number of miles times 3* |

**Reflection**

1. What are the best types of transportation for:
   1. Health? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. The environment? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Affordability? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. Speed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Although the car is the fastest way to get around, what are some of the drawbacks?

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1. Why don’t students walk, bike, or take the bus to school more?

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1. What do you believe would encourage students to walk, bike, or take the bus to school more?

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