

Environmental Education: Climate Action

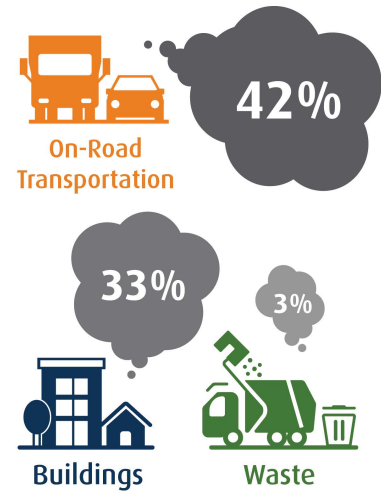
Transportation Choice Line Match

Capital Region Community
GHG Emissions (2022)*

Background Information

Transportation is the region's greatest source of community greenhouse gas emissions (42%). Our transportation choices impact climate, air quality, road congestion and health. If we all change a few trips a week to a mode of transportation with less emission we can make a difference.

Active travel (walking, cycling, scooting, etc.) reduces GHGs and offers physical and mental health benefits like more energy, stronger heart, bones and muscles, lower stress, improved concentration and self-esteem. Active transportation helps keep the environment and people healthy.



*Figures are approximate. See the CRD 2022 Community GHG Emissions Inventory.

For more information about climate action in the region visit www.crd.bc.ca/climate.

Instructions

Match the mode of transportation to the kilograms (kg) of carbon dioxide emissions (CO₂e) produced per person per year. Values are based on an average round trip commute in the capital region (16 km). Consider the type of energy or fuel used. Keep in mind these values are based on per person, so modes of transportation that hold more passengers will have lower emissions.

Use the answer key to check your answers.

Did you find any of the answers surprising?

Two of the transportation methods produce zero emissions. Can you think of other modes of travel that have zero emissions?

Hint:



Expand and Connect

- Challenge yourself to change one trip a week to a lower-emission option. For example, if you usually take a car to the store, try bussing, cycling or walking instead.
- Complete more active travel activities. See our Move Your Feet and Neighbourhood Safety Scavenger Hunt activities at www.crd.bc.ca/students.

Transportation Choice Line Match

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Draw a line from the mode of transportation to the number of emissions produced.



SUV



Electric Bicycle



Electric Bus



Car (2 passengers)



Electric Car



Double Decker Bus

1709

574

13

0

1260

1

3

0

369

242

630



Bus



Motorcycle



Bicycle



Car (1 passenger)



Walking

ANSWER KEY: Transportation Choice Line Match

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