

Environmental Education: Climate Action

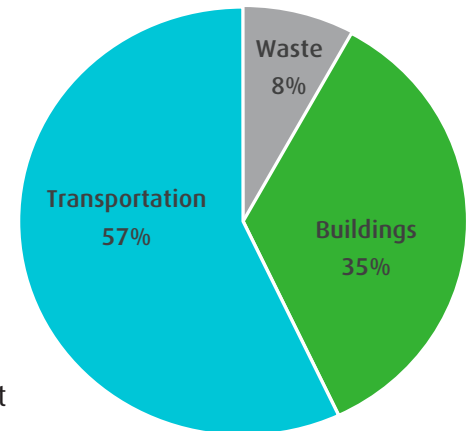
Transportation Choice Memory

Background Information

Transportation is the region's greatest source of community greenhouse gas emissions (57%). Our transportation choices make a difference. The way we choose to travel has an impact on climate, air quality, road congestion and our health and wellness. If we all change a few trips a week to a mode of transportation with less emission we can make a difference.

Often times choosing a mode of transportation with less greenhouse gas (GHGs) emissions leads us to active travel. Active travel (walking, cycling, scooting, etc.) has many benefits beyond a reduction in GHGs. There is often overall physical and mental health benefits such as more energy, stronger heart, bones and muscles, lower stress levels, improved concentration and self-esteem and many more. Active transportation helps keep the environment and people healthy.

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



2012 & 2010 Community Energy and Emissions Inventory

Instructions

Before you play:

1. Print the transportation and emissions cards (three pages). Make sure to print one-sided.
2. Cut out all the squares.
3. Fill in the blank playing cards. Write in a type of active transportation and draw a picture of that transportation in the middle of the card. Note: active transportation can include cycling, roller blading, scooting, bussing, skateboarding.
4. Review the transportation and emission pairs by matching and placing them together (face-up). Memorize!

To play:

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). Remember values are per person, so modes of transportation that hold more passengers will result in lower emissions.

5. Shuffle cards and place in rows face down.
6. Turn over any two cards.
 - if your two cards match (transportation with correct emissions), keep them.
 - if your two cards do not match, turn them back over. Be sure to leave them in the same spot.
7. Let the next player have a turn.
8. As you go remember what is on each card and where they were. This will help make matches later.
9. The game is over when all the cards have been matched. The player with the most cards wins that round.

Note: the first few turns will be challenging but once you start revealing and memorizing card positions the game will move much faster.

Expand and Connect

- Challenge yourself! Pick one trip a week and change your mode of travel to an option that has lower emissions than your usual choice. 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 and Emissions Cards — cut out squares.



Bus



Walking



Bicycle



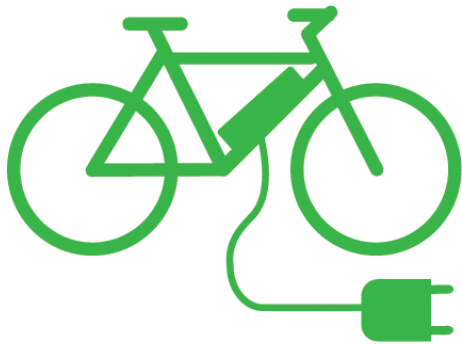
Car (1 person)



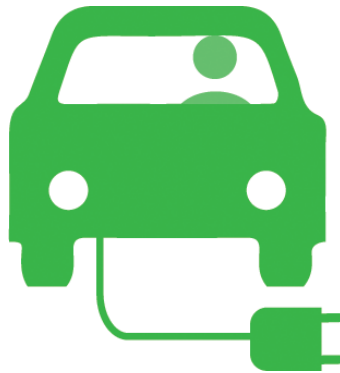
Car (2 people)



Motorcycle



Electric Bicycle



Electric Car



Double Decker Bus

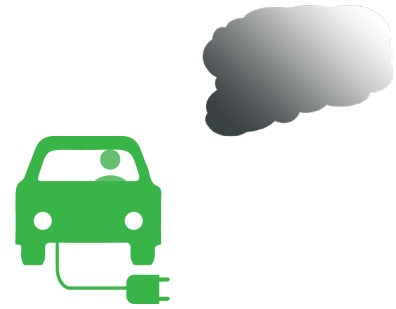
Transportation and Emissions Cards — cut out squares.



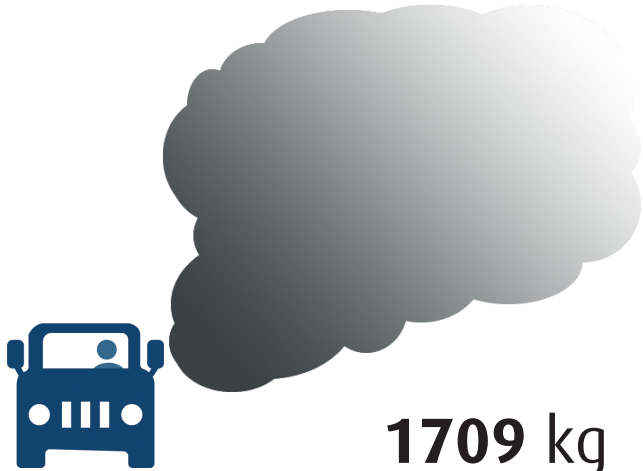
Electric Bus



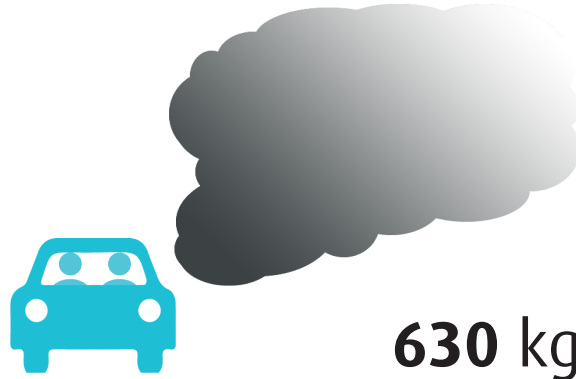
SUV



13 kg



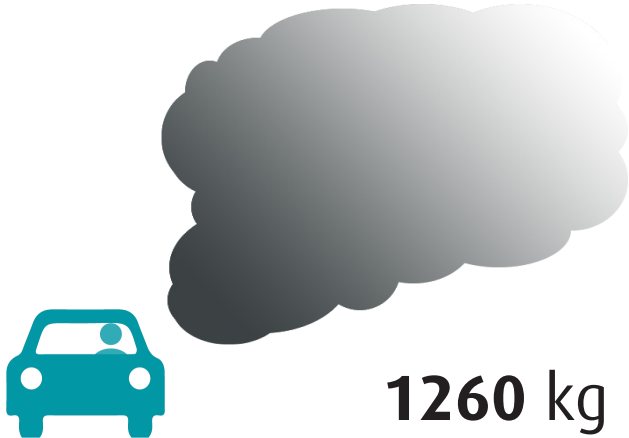
1709 kg



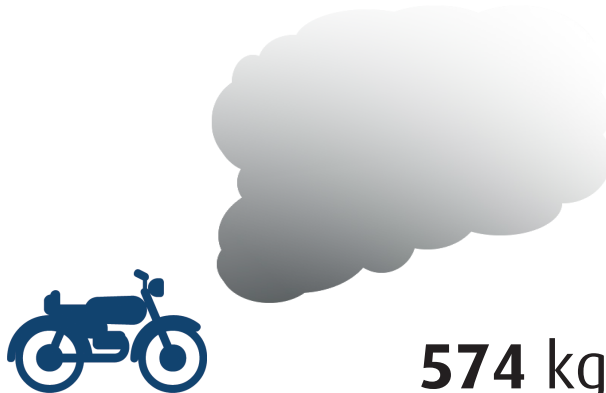
630 kg



369 kg



1260 kg



574 kg



242 kg

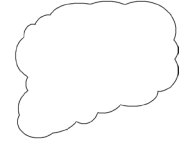
Transportation and Emissions Cards — cut out squares.



1 kg



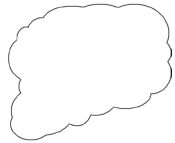
3 kg



0 kg

Drawing:

Drawing:



0 kg

My zero emissions travel (A):

_____.

My zero emissions travel (B):

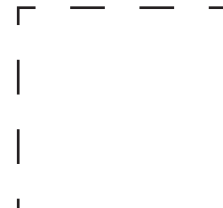
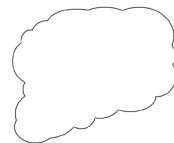
_____.

Hint: Zero emissions travel examples.



My zero emissions travel:

roller skating _____.



(zero emissions travel A)

0 kg



(zero emissions travel B)

0 kg