

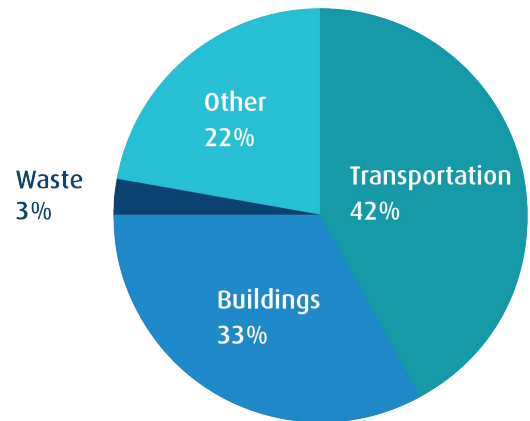
# Environmental Education: Climate Action

## Transportation Choice Memory

### 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.



For more information about climate action in the region visit [www.crd.bc.ca/climate](http://www.crd.bc.ca/climate).

### Instructions

#### **Before you play:**

1. Print and cut out the transportation and emissions cards (three pages). Make sure to print one-sided.
2. Fill in the blank cards with types of active transportation and draw pictures. Note: active transportation can include cycling, roller blading, scooting, bussing, skateboarding.
3. Review and memorize the transportation and emission pairs.

#### **To play:**

Match the mode of transportation to the kilograms (kg) of carbon dioxide emissions (CO<sub>2</sub>e) 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 face down 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. The next player takes a turn.
8. As you play, remember what is on each card and where they were. This will help make matches later.
9. The game ends when all the cards are matched. The player with the most cards wins.

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 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](http://www.crd.bc.ca/students).

Transportation and Emissions Cards — cut out squares.



Bus



Walking



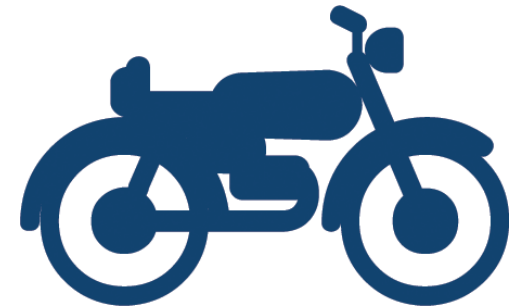
Bicycle



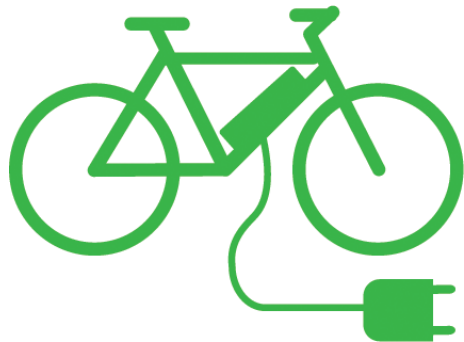
Car (1 person)



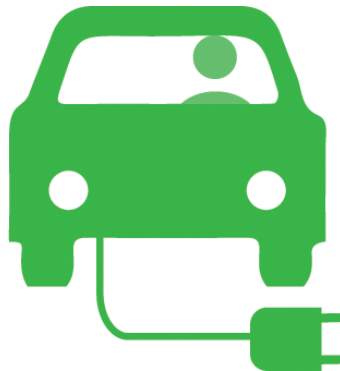
Car (2 people)



Motorcycle



Electric Bicycle



Electric Car



Double Decker Bus

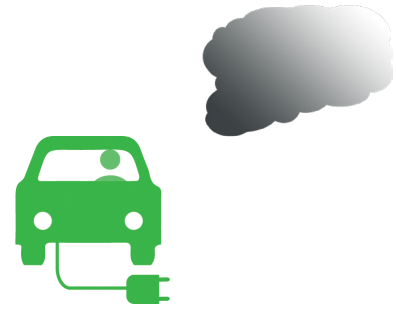
Transportation and Emissions Cards — cut out squares.



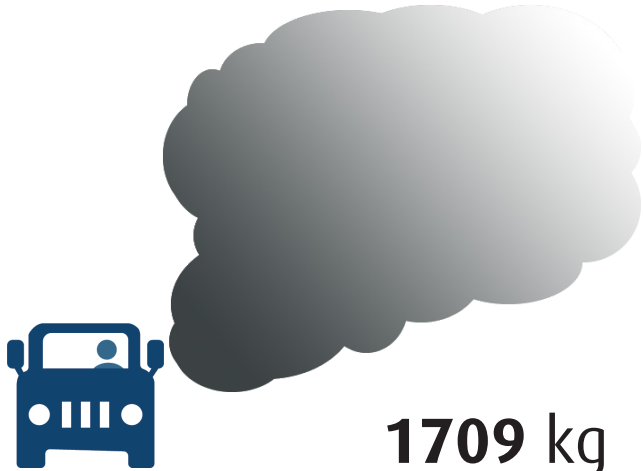
Electric Bus



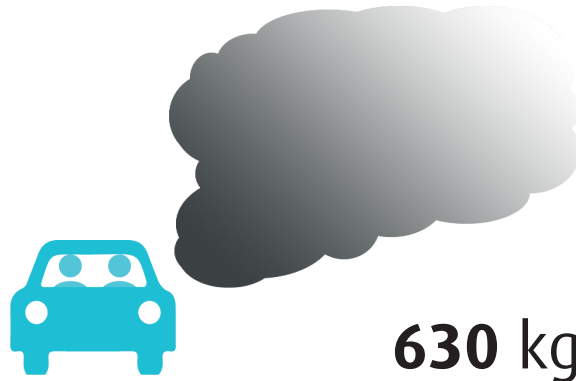
SUV



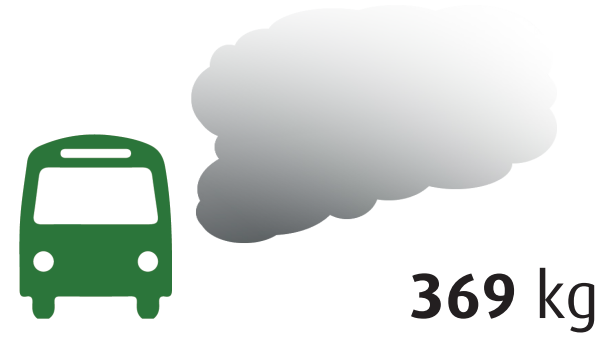
**13** kg



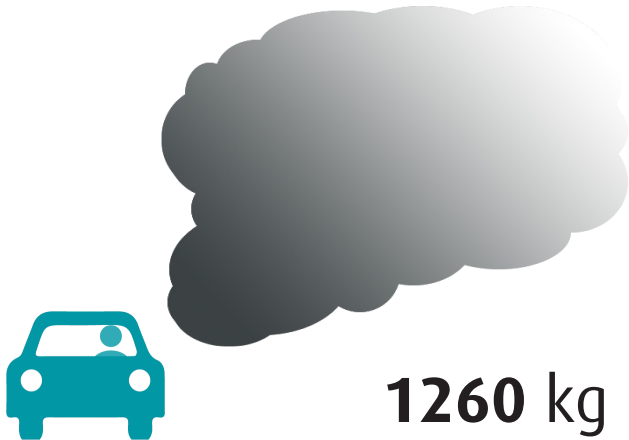
**1709** kg



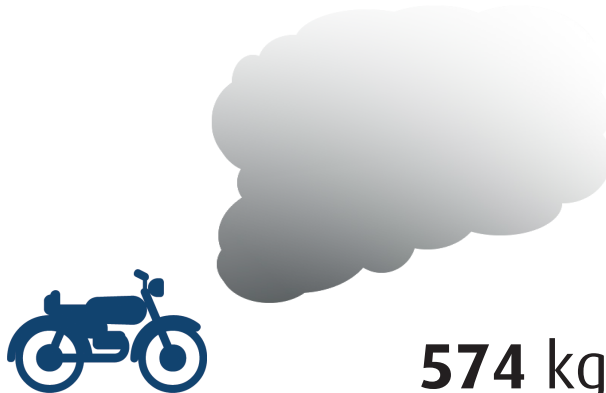
**630** kg



**369** kg



**1260** kg



**574** kg



**242** kg

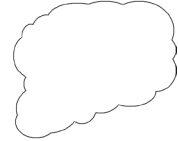
Transportation and Emissions Cards — cut out squares.



1 kg



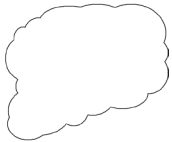
3 kg



0 kg

Drawing:

Drawing:



0 kg

My zero emissions travel (A):

\_\_\_\_\_.

My zero emissions travel (B):

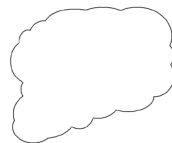
\_\_\_\_\_.

Hint: Zero emissions travel examples.



My zero emissions travel:

roller skating \_\_\_\_\_.



(zero emissions travel A)

0 kg



(zero emissions travel B)

0 kg