

# PUBLIC TRANSIT

## TRANSPORTATION SOLUTION



### ABOUT PUBLIC TRANSIT

Public transit is the most efficient and space-effective way to use roads to move people in cities and towns. Public transit could be made up of buses, trains and boats depending on the place. These systems move large numbers of people without needing extra parking spaces, and without making traffic jams. They work best where there are many people living in one area.

### PUBLIC TRANSIT ADVANTAGES AND FACTS!

- Public transit frees up road space by having many people travelling in the same bus or train instead of all in private vehicles.
- Public transit also provides ways for many different types of people to access transportation- youth to elderly people, as well as people with mobility challenges.
- Many transit systems have options for bikes to travel on trains/buses so people can do part of their journey by transit and part through active transportation.
- Transit hubs often have links to other trains, buses, carsharing, bicycles, airports and ferries.
- Public transit is often more cost effective way to travel compared to owning a private vehicle in a city.



# PUBLIC TRANSIT

## QUESTIONS

Use these questions to help brainstorm and evaluate how this transportation solution could work in our community.

- How would public transit best be used in our community? Does it already exist? Does it service all areas? Does it run all the time?
- Who would use it?
- Would we have to change our roads or parking spaces? Or put in new routes?
- Would public transit work well in combination with another type of transportation?
- Could public transit be used for all aspects of your life? (work/recreation/short distances/long distances) Why or why not?
- How would using public transit reduce our ecofootprint?

## SHARE WITH THE CLASS!

Prepare a short presentation to share with the class. It should be two minutes long.

- 1) Explain public transit and why it is a transportation solution for the future.
- 2) Share your two best of ideas of how we could have more public transit in our community. What would it look like?



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# WALKING

## TRANSPORTATION SOLUTION



### ABOUT WALKING

Walking is one of the most accessible forms of active transportation. It costs very little and can be done by many people. Active transportation may also include jogging, skating, skateboarding, bicycling and skiing. People are more likely to walk in their neighbourhood if there is a mix of houses and businesses and there are safe and comfortable sidewalks or trails to connect everything.

### WALKING ADVANTAGES AND FACTS!

- Improving sidewalks and trails for pedestrians can bring more business to shops and restaurants in a particular area.
- Walking works well in combination with public transport like buses and trains.
- Walking reduces traffic pressure and air pollution.
- People who walk regular stay physically active and strong..
- Safety, comfort, street lights and beauty are considerations for whether someone will walk or if they will take a car/bus to their destination.
- Walking saves money on fuel and parking.
- Walkers tend to meet more people in their neighbourhoods and have strong social connections.



# WALKING

## QUESTIONS

Use these questions to help brainstorm and evaluate how this transportation solution could work in our community.

- How would walking best be used in our community? Do people walk to work/school/errands/recreation?
- Who would walk in our community?
- Would we have to change our roads or sidewalks? Or put in new trails, lights or trees along walking areas?
- Would walking work well in combination with another type of transportation?
- Could walking be used for all aspects of your life? (work/recreation/short distances/long distances) Why or why not?
- How would walking reduce our ecofootprint?

## SHARE WITH THE CLASS!

Prepare a short presentation to share with the class. It should be two minutes long.

- 1) Explain walking and why it is a transportation solution for the future.
- 2) Share your two best of ideas of how we could have more walking in our community. What would it look like?



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# RIDESHARE

## TRANSPORTATION SOLUTION



### ABOUT RIDESHARE

Ridesharing can come in many shapes and forms. Carpooling to hockey practice with your teammate that lives in your neighbourhood is a type of ridesharing. Rideshares can be arranged with friends and family or using websites, social media, employer websites, smartphone apps, carpooling agencies and pick-up points. Rideshares can be particularly helpful in areas where public transit is not available.

### RIDESHARE ADVANTAGES AND FACTS!

- Rideshares can save money for both the driver and passenger.
- Rideshares often fill vehicles with passengers so to reduce the number of cars going to the same place. This reduces parking fees, traffic, pollution and carbon emissions.
- Kootenay Rideshare is website that helps people connect to get rides or offer rides from the Columbia Basin to all over North America.
- Real-time ridesharing is a type of carpooling that arranges one-time shared rides on very short notice. Companies like Uber, Lyft and Sidecar are companies that have exploded in cities around the world.
- Some cities do not allow for real-time ridesharing because of lack of regulation/insurance compared to public transit and taxis.



# RIDESHARE

## QUESTIONS

Use these questions to help brainstorm and evaluate how this transportation solution could work in our community.

- How would rideshares best be used in our community?
- Who would use it?
- Would we have to change our roads or parking spaces?
- Would rideshares work well in combination with another type of transportation?
- Would rideshares work for all activities? (work/recreation/short distances/long distances)
- How would rideshares reduce our ecofootprint?

## SHARE WITH THE CLASS!

Prepare a short presentation to share with the class. It should be two minutes long.

- 1) Explain rideshares and why it is a transportation solution for the future.
- 2) Share your two best of ideas of how we could have more rideshares in our community. What would it look like?



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# BICYCLES

## TRANSPORTATION SOLUTION



### ABOUT BICYCLES

Bicycling is one of the most efficient forms of self-propelled transportation. The advantages over walking is that you can travel further distances and carry more weight on a bicycle. Electric and electric-assist bicycles are also helping more people participate in this form of transportation. Shared bicycle programs are popular in cities such as Paris, Vancouver and Montreal.

### BICYCLE ADVANTAGES AND FACTS!

- Cycling is a very efficient way to travel: on 350 calories a walker can travel 5.6km and a cyclist can travel 16km.
- In BC, 41% of daily commutes are 5 km or less, a distance that can be cycled in 15 minutes.
- Bicycling reduces traffic pressure, air pollution and less space is required for parking.
- Bicycles also allow people healthier lifestyles as they build strength and endurance as they go from place to place.
- More people use bicycles for transport when there are designated bike lanes that are separated from vehicle traffic.
- Bicycling can be an economic way to travel compared to using a vehicle all the time.
- Bicycle can lead to more connected social interactions within their neighbourhoods.



# BICYCLES

## QUESTIONS

Use these questions to help brainstorm and evaluate how this transportation solution could work in our community.

- How would cycling best be used in our community? Do people already cycle to work/school/errands/recreation?
- Who would bicycle?
- Would we have to change our roads? Or put in new trails or bicycle routes?
- Would bicycling work well in combination with another type of transportation?
- Could cycling be used for all aspects of your life? (work/recreation/short distances/long distances) Why or why not?
- How would cycling reduce our ecofootprint?

## SHARE WITH THE CLASS!

Prepare a short presentation to share with the class. It should be two minutes long.

- 1) Explain bicycling and why it is a transportation solution for the future.
- 2) Share your two best ideas of how we could have more bicycling in our community. What would it look like?



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# CAR SHARING

TRANSPORTATION SOLUTION



## ABOUT CAR SHARING

Car sharing gives people access to the benefits of a car without the costs of owning a car full-time. Car sharing can be organised by businesses, a government agency and co-ops where you book time to take a car out and pay a certain fee for using the car during that time.

Examples: Kootenay Carshare Cooperative, Zipcar, car2go

## CAR SHARING ADVANTAGES AND FACTS!

- Private vehicles sit unused about 95% of the time. Shared vehicles get used much more. This means that you need less parking and less total vehicles for the same number of trips. Roads and parking take up around 30% of the area in cities and towns. That space in towns and cities could be freed for other more interesting uses.
- For every car share about 10 personal vehicles are unloaded or not purchased.
- For people who don't drive everyday, car sharing is less expensive than owning a personal vehicle.
- Overall, people who use car sharing tend to walk, bike and use public transit more than cars.
- As of July 2017, car2go was the largest carsharing company in the world with 2,500,000 members and locations in North America, Europe and Asia.



# CAR SHARING

## QUESTIONS

Use these questions to help brainstorm and evaluate how this transportation solution could work in our community.

- How would car sharing best be used in our community?
- Who would use it?
- Would we have to change our roads or parking spaces?
- Would car sharing work well in combination with another type of transportation?
- What types of vehicles would you want to have access to in your community? (work/recreation/short distances/long distances)
- How would using car sharing reduce our ecofootprint?

## SHARE WITH THE CLASS!

Prepare a short presentation to share with the class. It should be two minutes long.

- 1) Explain car sharing and why it is a transportation solution for the future.
- 2) Share your two best of ideas of how we could have more car sharing in our community. What would it look like?



TRANSPORTATION SOLUTIONS FOR THE FUTURE!



# ELECTRIC VEHICLES

## TRANSPORTATION SOLUTION



### ABOUT ELECTRIC VEHICLES

For trips that still need to be done in cars, some people are switching to electric vehicles. Electric vehicles are more efficient than gas powered vehicles and produce less pollution. Electric vehicles also reduce carbon emissions when they are charged using renewable energy. There are electric vehicle charging stations being built all over BC to help this transition to electric cars.

### ELECTRIC VEHICLE ADVANTAGES AND FACTS!

- Filling up an electric car is less expensive than a similar model of gas/diesel car. An electric vehicle can cost \$320 a year to fuel versus \$2,400 for a gasoline vehicle.
- Pollution in cities will go down as trucks, buses and personal vehicles change to electric vehicles.
- In Vancouver, to encourage citizens to use cleaner vehicles, electric vehicles can use special carpool traffic lanes, and have access to special parking.
- Electric vehicles have less moving parts than gasoline engines so maintenance and maintenance costs are lower over the long term.
- Accelrate Kootenays is building electric vehicle charging stations within the Columbia Basin so that vehicles can travel between towns and still be able to fuel up.



# ELECTRIC VEHICLES

## QUESTIONS

Use these questions to help brainstorm and evaluate how this transportation solution could work in our community.

- How would electric vehicles best be used in our community?
- Who would use electric vehicles?
- Would we have to change our roads or parking spaces?
- Would electric vehicles work well in combination with another type of transportation?
- Would electric vehicles work for all activities? (work/recreation/short distances/long distances)
- How would using electric vehicles reduce our ecofootprint?

## SHARE WITH THE CLASS!

Prepare a short presentation to share with the class. It should be two minutes long.

- 1) Explain electric vehicles and why it is a transportation solution for the future.
- 2) Share your two best of ideas of how we could have more electric vehicles in our community. What would it look like?



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