



Green Schools Network

ACTIVITY SHEET

June 2009

Why talk about Public Transport?



Public transport (public transit or mass transit) includes passenger transportation services available for use by the general public, as opposed to private automobiles or vehicles for hire. Public transportation can consist of subways, commuter trains, buses, van pool services, ferries, and monorails. Public transport allows cost effective transport vis-a-vis private transport. Through stimulating public transport it is possible to reduce the total transport cost for the public.

The transport sector is by far the most voracious oil guzzler. By 2035 in India, cars and on-road vehicles are expected to consume six times more fuel than they do now. The annual growth rate for cars in India is 16 percent. Cars consume six times more energy than buses, and two-wheelers, 2.5 times the energy. To move the same number of people, cars occupy 38 times the road space than a bus, and two-wheelers occupy 54 times the space.

Name.....

School Name

Class..... Date.....

Gobar Gyan:

The share of buses in the total fleet in India has dwindled from 11 per cent in the 1950s to 1.1 per cent today. This is visible in the use of road space. In Delhi, personal vehicles – cars and two-wheeler – use up more than 75 per cent of the road space but meet only 20 per cent of the commuting demand. But buses that use less than 5 per cent of the road space, meet more than 60 per cent of the travel demand.



Public transport systems mean lesser congestion and faster speeds. Investment in public transport also stimulates the economy.

Activity: 1

Do you use public transport regularly?

Yes ☐

No ☐

If yes, then which mode of public transport do you use?

Bus ☐

Metro ☐

Taxi ☐

Aeroplane ☐

Train ☐



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Why do you use public transport regularly?

If you don't use it regularly, then why?

Nearly all forms of public transport pose less of a cost to the traveler. The cost of owning a car goes much higher because of the petrol cost which itself is very high in India.

Activity: 2

Do you travel to school using public transport?

Yes ☐

No ☐



If you travel to school using the school bus, then what is the bus fee?

If you travel by your own vehicle then find out its monthly expense.

• Distance between your house and the school: _____

Number of times the car goes from your house to the school: 4 times per day

• Total time taken to cover this distance (4 times): _____

• Number of working days in the school in 1 month: _____

Then we calculate the total distance

• Total distance = Distance x 4 trips x Number of working days = _____

Find the amount of fuel required by your car to travel the distance between your house and your school.

• Find out the mileage of your car : _____

• Total fuel consumption = $\frac{\text{distance between house and your school}}{\text{Mileage of your car}}$

Calculate it here: _____

• The monthly cost of the fuel required = Cost of fuel x number of litres per month.

Calculate = _____

If your driver drives you to school then calculate his wage for driving you to school.

His hourly wage = $\frac{\text{Monthly wage}}{30}$ x number of hours he works = _____

- His wage for driving you to school = Hourly wage x travel time x 4= _____
- Total cost of travel = The car's monthly fuel + The driver's wage for driving you to school = _____

Which mode of transport is more expensive, public or private?

How much money would you save in a month's time if you made a switch from private to public transport?

How much money would your family/group of friends save if all of you decided to use public transport instead of using your private vehicle?

Maybe you could use all that money to buy something you've wanted for a long time! 😊

There are many reasons to travel on the public transportation system. Here are some of them:

- **Public Transport – A Greener Form of Travel**

Getting public transport and leaving the car at home is one of the biggest contributions towards a green environment. Car journeys contribute a significant amount of our overall carbon footprint.

- **Quicker**

Despite their tendency to get delayed at times, your journey will be quick and direct as more and more investment is made into Metro and bus routes across India.

- **Cheaper**

Using public transport means no parking charges, taxes or car insurance. Plus it removes the cost of maintaining your car to a high standard.

- **No Parking**

One of the most irritating things about driving a car or motorbike is the need to hunt for a parking spot upon reaching your destination. Parking is often scarce and expensive. The need to park is eliminated while using public transport.



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