

KRISHNAGAR ACADEMY

CLASS - III

SUBJECT - SOCIAL STUDIES

CHAPTER - 3 TIME TO TRAVEL

The method used for carrying goods and people from one place to another is called **transport**. Travelling has been an integral part of our life. We move from one place to another for many reasons. We use different types of vehicles to travel. Cars, scooters, buses, trains, boats, ships and aeroplanes are some commonly used vehicles.

Invention of wheel

Before the invention of wheel, people travelled on foot. Animals were also used as means of transport. (Early men tamed animals such as horses, camels, yaks, mules and elephants for travelling and carrying load.)



▲ Greek chariot

The idea of wheel came accidentally when early men saw the round logs of wood rolling down the hill slopes. They placed logs of wood under an object and it rolled over the logs. The invention of wheel changed the way people travelled. Wheel played a **pivotal** role in our progress. The first wheel was made from a thick tree trunk. Today, wheels are made of rubber, filled with air. These wheels allow faster and smoother travel. Most of the vehicles that we use today, move on wheels. Even the aeroplane that flies in air has wheels to take off and land.

Let's Know More

Changing times, changing wheels!



Changes in transport

Let us study how transport has evolved over time.

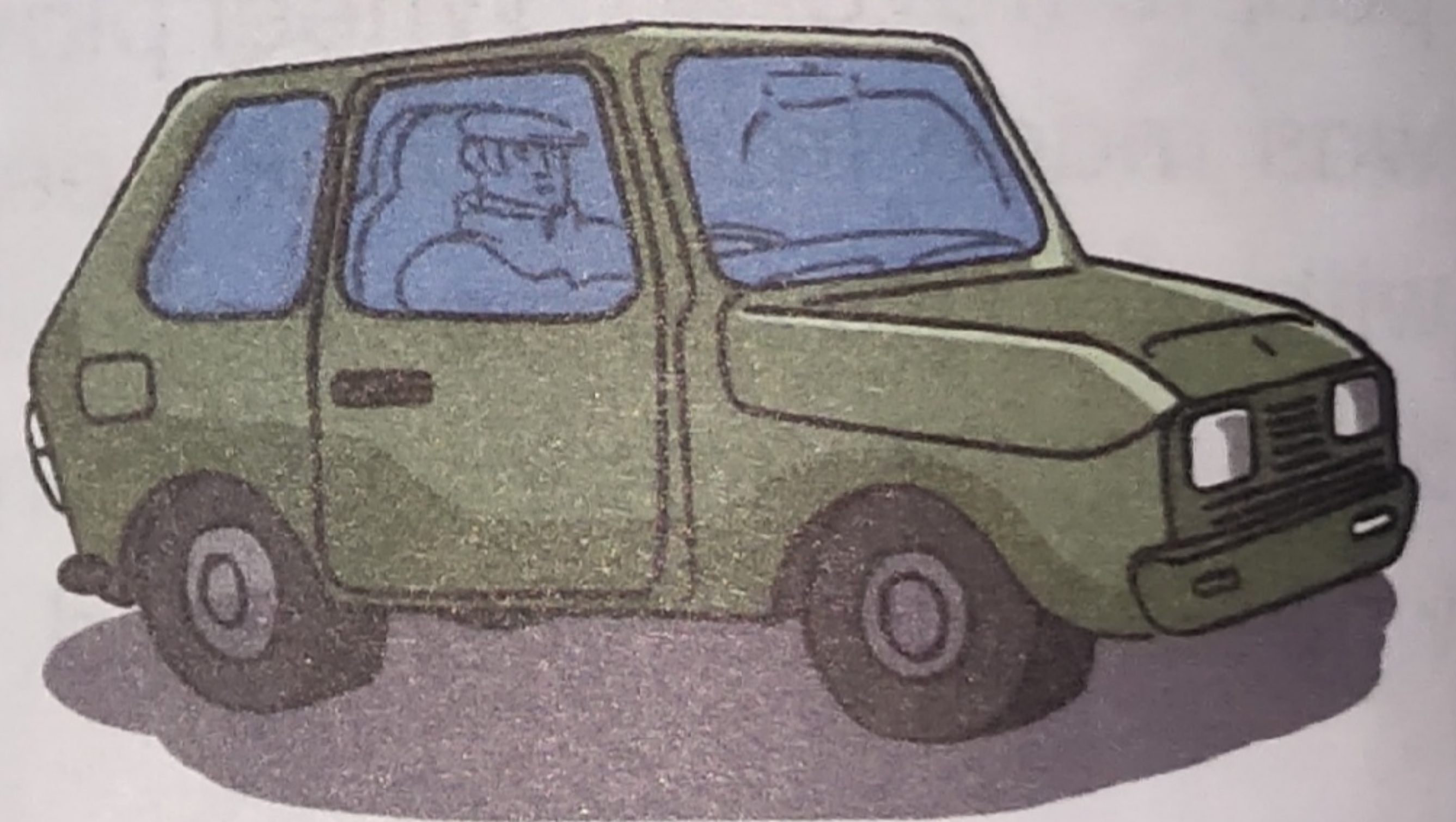
Land transport

Early transportation system tells us about the transition whereby people travelled on foot firstly and then used animals to carry people and goods. The invention of wheel made movement from one place to another easier and faster. Initially, animal driven carts were used. They gave way to **motorised** vehicles driven by engines. These vehicles were powered by fuels like petrol and diesel.

Today, we also have CNG (Compressed Natural Gas) powered vehicles which save money on fuel and reduce pollution levels. CNG is considered one of the most energy efficient fuel.

Let's Dig Out

Why is the evolution of wheel considered a big development?



▲ Different phases of transportation

Trains are used to travel long distances within the country and are the most important means of land transport. It is cheaper, faster and very comfortable means to travel. Trains were introduced by the British in India. The first train in India ran between Mumbai and Thane in

1853. It was a 14-carriage train with a steam engine, that did not run very fast. Today, Indian Railways has a series of super-fast trains that use fuels

Let's Know More

Motorised transport is the main source of air pollution in the cities, as it emits a lot of smoke. This causes respiratory problems like asthma and bronchitis.

like diesel and electricity. Shatabdi and Rajdhani Express run at 100-160 km per hour. Now, India has the largest network of railways in the world. The Metro Rail system has proven to be an efficient means of travel in a city. It causes no pollution.



▲ First train



▲ Modern train



▲ Metro rail

Water transport

Long before the invention of steam engine people used boats, rafts and ships moved at a slow speed. Steam engine which was invented by James Watt in 1769 changed everything. Boats started running on steam-generated power.



▲ Raft



▲ Motor boat



▲ Ship

Later, large ships were fitted with diesel or steam engine. It improved the speed of the ships. Nowadays, we have huge ships that cover long distances and carry goods across the world. Besides these, there are motor boats, ferries and yachts too. Many canals, **harbours** and ports have been made for smooth functioning of water transport.

Let's Know More

The Shinkansen, popularly known as the Bullet Train travels with a speed of 320 - 350 km per hour. Similar train has been launched from Ahmedabad to Mumbai recently.

Air transport

In the beginning of twentieth century Wright brothers invented the world's first aeroplane which could fly for a short distance at a slow speed and at a low height. Over the years, air transport has reached new heights and today we have **supersonic** jets and airbuses. They carry passengers and goods by air from one city to another in the shortest time possible. The invention of rocket has made it possible for humans to land on the Moon. Modern technology has redefined transportation. Long or short distances can now easily be travelled in a day's time.



▲ Wright brothers



▲ Aeroplane



▲ Space shuttle

Let's Recap

- Methods used for carrying goods and people from one place to another is called transport.
- Earlier, people used to travel from one place to another on foot. They tamed animals and used them as a means of transport.
- The invention of the wheel changed the way people travelled.
- Various developments in the means of transport have improved the transportation system all over the world.