VROOM VROOM....

Reduce the amount of plastic waste generated by using our specially designed eco —friendly car kit which not only is a great way to play and bust the boredom but to support learning and understanding of the physics concepts also.





Name of the toy/toy kit: Vroom Vroom

Material used: Plastic bottle

Chart paper

Chart paper or card Board

Wooden skewer

Two straws

Balloon

Tape

Scissors or sharp knife

Different materials like foil, thermocol, sand paper etc.

*Age group for playing: 5 to 8 years

*Age group for creating: 7 to 13 years

*Time of preparation : 2 hours

Cost: Around Rs. 50

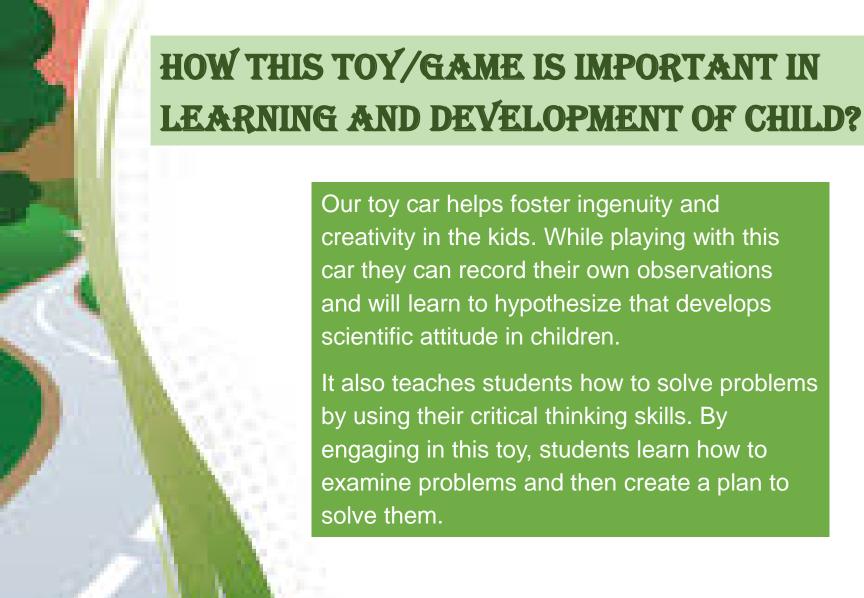




HOW TOYS/GAMES CAN BE USED?

This toy can be used for teaching learning purposes. It might not seem like it at first, but this car is loaded with physics and engineering concepts! The students can compete by changing the set of wheels provided in the kit and race against each other. Whose car will go the fastest? In the process they will learn about the various factors on which the speed of car depends. The following key concepts can be explained and demonstrated to students with the help of this toy car.

- > Kinetic energy
- Potential energy
- Conservation of energy
- Newton's laws of motion
- Friction
- Speed and distance





ABOUT THE TOY:

Our car is made up of paper and other eco friendly materials. It has a balloon on the top which provides it a thrust to move. The toy car kit comes with detachable wheels. The texture of material used for making the rim of the wheels can be changed. The kids using the car to play can change the wheels and can make observations regarding the speed and distance covered by the car. A great way to indulge in many investigations that lead to fruitful learning!