



LITTERA PUBLIC SCHOOL

CLASS III

CHAPTER 11

SCIENCE

PUSHES AND PULLS

Force- A push or pull is called force.

A force can do many things-

- A force can move a resting object
- A force can stop a moving object
- A force can also change the direction of a moving object.
- A force can change the shape of an object.
- A force can increase or decrease the speed of a moving object.

Friction- The force that slows down movement is called friction.

Example- The ball moves for a while then it slows down and finally. When the moving force becomes weaker than the stopping force the ball comes to a halt. This stopping force is called friction.



Advantages of a friction-

- Friction enables us to walk.
- It becomes possible to transfer one form of energy to another.
- Objects can be piled up without slipping.
- It helps to support ladder against wall.
- Breaks of vehicles work due to friction.

Disadvantages of friction-

- It causes wear and tear of machines.
- It always resist the motion. So, extra energy is required to overcome it.
- It decreases the life expectancy of moving parts of vehicles.

Lubricants- Substances used to reduce friction between two surfaces are called lubricants.