

WELCOME TO THE ONLINE CLASS

SESSION NO: 1 CLASS: 4 SUBJECT: SCIENCE CHAPTER NUMBER: 10 CHAPTER NAME: FORCE, WORK AND ENERGY SUB TOPIC: INTRODUCTION, FORCE AND EFFECTS OF FORCE

CHANGING YOUR TOMORROW

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LEARNING OBJECTIVE



Learner will able to

- Understand the concept of force and uses in daily life.
- Know about different effects of force.

INTRODUCTION



- Which sports is your favourite?
- Have you ever seen a cricket match?



FORCE



• Force is a push or a pull that makes a body move or stop moving.

For Ex :The batsman uses force to hit the ball.









- The bowler uses force to bowl.
- The fielder uses force to stop it.









THERE ARE THREE WAYS IN WHICH FORCE CAN BE USED

Force can be used to

- move a body (the ball in this case)
- stop a moving body
- change the direction of the moving body







PUSH FORCE

• When an object is pushed, it tends to

move away.

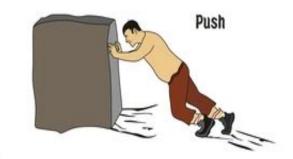
• For Ex: Kicking a ball, closing a door,

pushing a trolley and inserting a plug

into the socket .







PULL FORCE









• When an object is pulled, it brings it

closer.

• For Ex: Opening a door, plucking the

string of a guitar, drawing a bucket of

water from the well and pulling the

curtain.

MORE USES OF FORCE



• We apply force to push the

pedals of a bicycle to make it

move.

• We use force to press the

breakes to stop it.





EFFECTS OF FORCE



- A force can move a stationary object.
- A force can stop a moving object.
- A force can change the direction and speed of an object.
- A force can change the shape and size of an object.

SUMMARY



- Force is a push or a pull that makes a body move or stop moving.
- When an object is pushed, it tends to move away.
- When an object is pulled, it brings it closer.
- A force can change the shape, size, direction and speed of an object.





1. The batsman uses _

_to hit the ball.

Ans: force



2. What force do you use to move the shopping cart forward?

Ans: Push



3. A boy caught a fish .Is a boy using a pulling forceor a pushing force?

Ans: Pulling force





Homework

HOMEWORK



• Write the difficult words in your notebook.

LEARNING OUTCOME



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THANKING YOU ODM EDUCATIONAL GROUP