Milan Dharmasthali School

Class: 6

Subject: Science

Unit:

Lesson: Simple Machine

Learning Objectives: After completing the study of this unit students will be able to:

Introduce simple machines with examples

Name simple machines that are used in our daily life

State the type of simple machines with examples

Learning materials: Some common objects tools like

Scissors, Beam balance, nail cutter, knife etc.

Descriptions:

Simple Machine

The tools which makes our work easier, faster and convenient and is simple in structure is called machine for e g pulley, crow bar, nail cutter, bottle opener screw driver etc.

We use simple machines for different purposes which are as follow

- To multiply the force applied
- To change the direction of force applied
- To help to apply force at convenient point
  Types of simple machines
- Lever: for e.g. Scissors ,seesaw, Beam balance ,nut cracker ,Fire tongs
- Pulley: For e.g. disc
- wheel and axle : Steering of car screw driver bobbin of a kite
- Inclined plane : For eg Ladder ,Steep ,road ,children's slide
- Screw : For eg Driller , Screw , nail
- Wedge: for eg axe ,knife ,sickle

Homework:

What is simple machine?

How many types of simple machine are there?

Give two examples of lever