

Milan Dharmasthali School

Class: 6

Subject: science

Unit: Simple machine

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

1. Introduce simple machines with examples
2. Name simple machines that are used in our daily life
3. State the type of simple machines with examples

Learning materials: some tools like scissors, beam balance, nail cutter, knife wheel barrow, and shovel

Description:

Simple Machine

The tools which make our work easier, faster and convenient and have a simple structure are called machines. For example, pulley, crowbar, nail cutter, bottle opener, screw driver etc., we use simple machines for different purposes which are as follows:

- To multiply the force applied
- To change the direction of force applied
- To help to apply force at a convenient point

Types of simple Machines

Lever e.g. Scissors, seesaw, beam balance

Pulley: for e.g. Disc, rotate object

Wheel and axle: e.g. steering of car, screw driver, bobbin of a kite

Inclined plane: e.g. Ladder, steep road, children's slide

Screw: for e.g. driller, screw, and nail

Wedge: For e.g. axe, knife, sickle