

CLASS NOTES

Class: 5

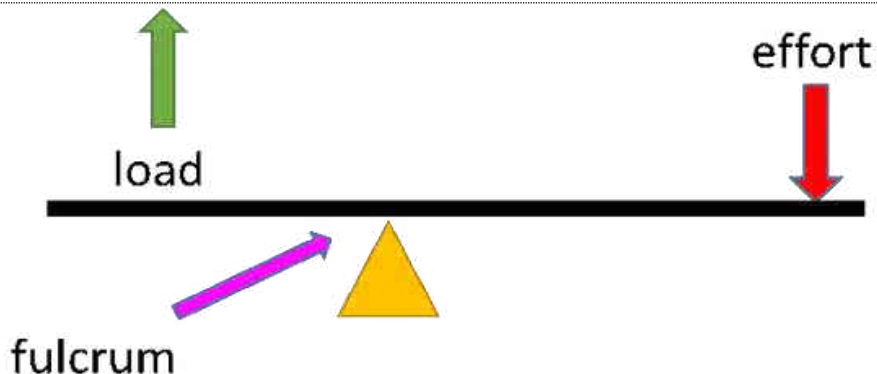
Topic: Lesson 13 Simple Machines
(to be written in EVS notebook)

Subject: EVS

❖ WORDS TO REMEMBER

• Crowbar	• Lever
• Fulcrum	• Effort
• Pulleys	• Spring balance
• Weight	• Inclined planes
• Wedges	• Screw
• Chisel	• Ramp

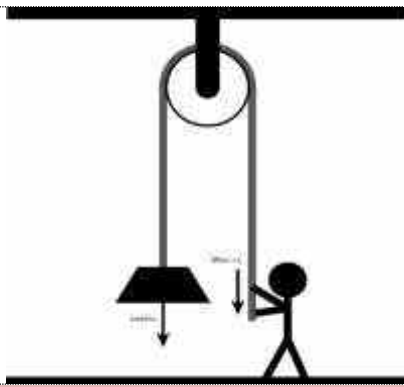
Lever - A lever is a simple machine made of a rigid beam and a fulcrum. The effort and load are applied to either end of the beam. The fulcrum is the point on which the beam pivots. When an effort is to one end of the lever a load is applied at the other end of the lever.



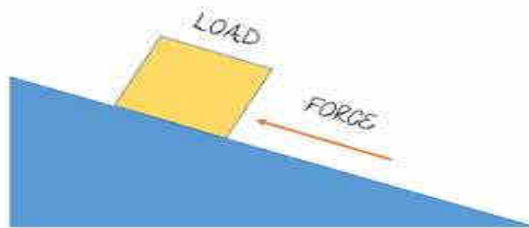
Fulcrum – A fixed point of support about which a lever moves freely.

Effort – The force that is applied to lift a load is called effort.

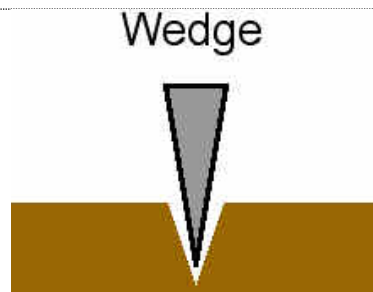
Pulley – A pulley is a wheel with a rope going around it. It is a simple machine used to lift heavy things. For example, it is used to draw water from a well.



Inclined planes - Inclined plane is a simple machine consisting of a sloping surface, used for raising heavy bodies. The force required to move an object up the inclined plane is less than the weight being lifted.



Wedges - A wedge is a triangular piece of wood or metal. It is like two inclined planes. Joined together. For example, the chisels carpenters and sculptors use to cut and shape wood and stone are wedges.



Screw - A nail with an inclined plane wrapped around it.



Crow bar – It is a lever used to open wooden crates or manhole covers.

Content absolutely prepared from home.