

# WELCOME TO THE ONLINE CLASS

**SESSION NO: 5**

**CLASS: 4**

**SUBJECT: SCIENCE**

**CHAPTER NUMBER: 10**

**CHAPTER NAME: FORCE, WORK AND ENERGY**

**SUB TOPIC: SIMPLE MACHINES - INCLINED PLANE, SCREW  
AND WEDGE**

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**CHANGING YOUR TOMORROW**

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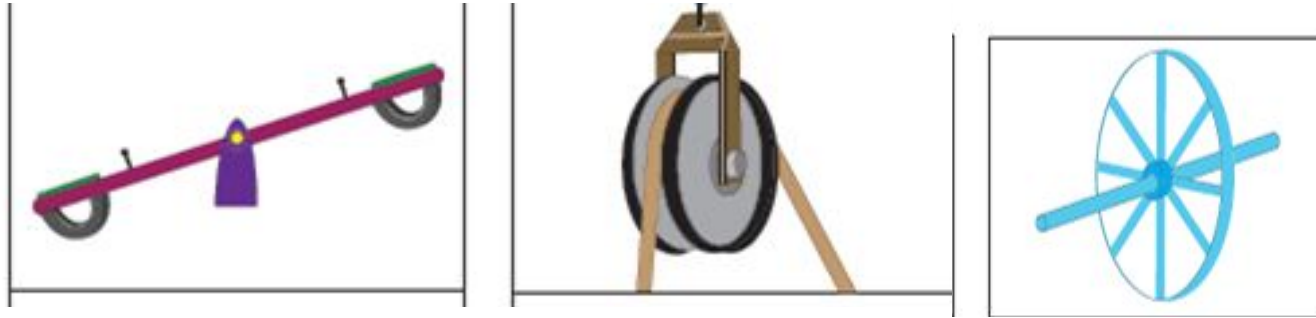
# LEARNING OBJECTIVE

**Learner will able to**

- **understand different types of tools used to do work.**
- **Know the application of it in day to day life.**

# RECAPITULATION

1. Name these simple machines.



2. A steering wheel, a bicycle pedal and a screwdriver are some examples of \_\_\_\_\_.

3. Which simple machine can be used to draw water from wells in villages?

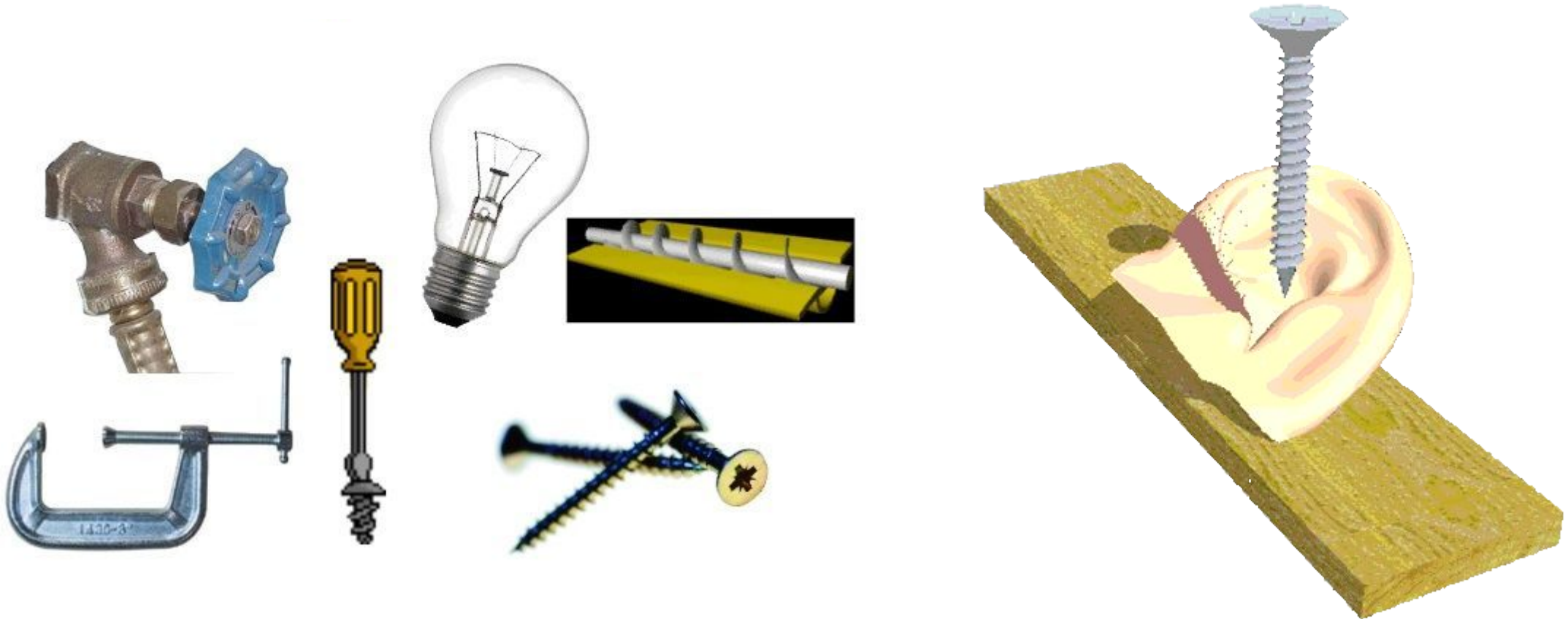
# INCLINED PLANE

- An inclined plane is a slope over which a load can be pushed up or down.
- A plank of wood is often used to load heavy barrels onto trucks.



# SCREW

- A screw looks like a nail with grooves cut into it.



# WEDGE

- A wedge is an object that tapers to a thin edge.
- Some examples of wedges that are used for separating can be a knife, an axe and a saw etc.



AXE



KNIFE



STOPPER



fork and knife



fork (garden tool)



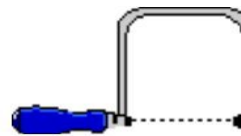
Saw



Hammer



Spatula



Axes



# **SUMMARY**

- **Simple machines are lever, pulley , wheel and axle , inclined plane, screw and wedge**
- **An inclined plane is a slope over which a load can be pushed up or down.**
- **A screw looks like a nail with grooves cut it into it.**
- **A wedge is an object that tapers to a thin edge.**



**QUIZ TIME!!!**



**1. A slope over which a load can be pushed up or down.**

**Ans: Inclined plane**

2. A        looks like a nail with grooves cut it into it.

**Ans: screw**

**3. A wedge is an object that tapers to a\_\_\_\_\_.**

**Ans: thin edge.**

# **HOMework**

- **Do the oral Q & A of page no. 85**

# **LEARNING OUTCOME**

**Learner will able to**

- **understand different types of tools used to do work.**
- **Know the application of it in day to day life.**

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**