**SUBJECT**: BASIC TECHNOLOGIES

**CLASS**: JSS1

**Week**: 8

**TOPIC**: DRIVING

**Driving Tools**

Driving tools are used to fix nails and screws into wooden and metal materials. Nails are the iron material with a flat head, smooth stem and sharp end. Screws look like nails but they have turned or twisted stem. Screws are driven into wood with screwdrivers while nails are driven into wood and metals with the use of hammers. Hammers are driving tools that have two parts – a head, which is made of iron and a wooden handle. There are five types of hammers named according to the shape of the head. **They are**;

1. Ball peen hammer

Ball-peen hammer is used for general purposes.

2. Straight peen hammer

Straight-peen hammer is used for riveting while the other end is used for shaping sheet metals.

3. Cross peen hammer

Cross-peen hammer is used for drawing down and riveting.

4. Planishing hammer

Planishing hammer is used by panel-beaters for finishing.

5. Blocking head hammer

Blocking head hammer has polished faces. It is used for shaping sheet metal.

6. Upholstery hammer

Upholstery hammer is used for upholstery work having one that is usually magnetic with tacks (short light nails) used in furniture.



Driving tools also include mallets. Mallets are soft-faced hammers, as shown in the figure below:



Screwdrivers

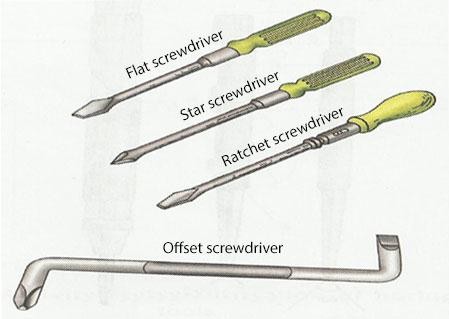
Screwdrivers are also driving tools and they have different shapes and sizes. They are used to drive screws in and out of wood or metals. They have a long blade with a tip that can fit into the slots (grooves) in the head of the screw with either a wooden or plastic handle.

1. Flat screwdriver is used for screw having only one line slot on the head.

2. Star screwdriver is used for screws having a star opening on the head.

3. Offset screwdriver is used whenever a straight screwdriver cannot be used.

4. Allen screwdriver is used for driving in or removing screws which have a hexagonal or square slot in their head.



**ASSIGNMENT**

1. What are driving tools?

2. Mention and explain two (2) types of hammer.

3. What are screwdrivers?