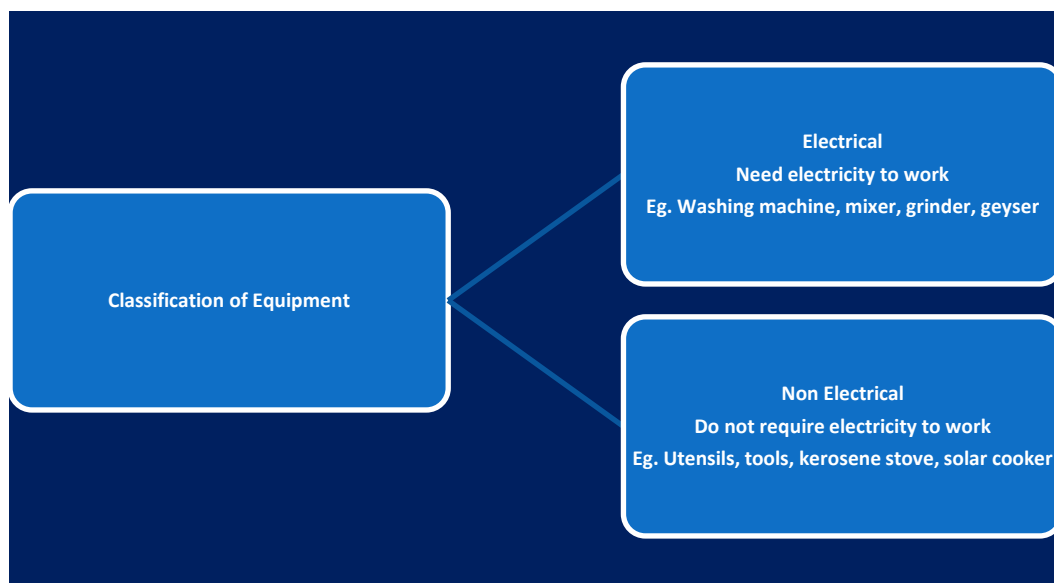


Lesson Number	Title of the Lesson	Skills	Activity
16	Household Equipment	Creative thinking Decision Making	Check the different brands of washing machines available in the market and evaluate them on the parameters of cost, guarantee and after sales service. Make a table to show your findings and your conclusion
		Problem solving Critical Thinking	

Summary:

Equipment are used in home for day to day jobs. They make the work easy and efficient. They also save time and energy. Some equipment is used as aids to make our work simple while some are used for entertainment and recreation. To maintain this equipment in good working condition regular repair and maintenance is needed. The market offers a wide variety of equipment in terms of cost, quality, design and material used. Some of the equipment bear standardization marks while some are locally made. The selection of equipment by the buyer must be sensible. All the parameters for a good quality equipment should be checked before purchase. While using the equipment precautions must be taken to ensure trouble free service. Proper maintenance and use of equipment also ensure that the resources like fuel, electricity and water are not wasted but conserved. The modern equipment like television, telephone, computers, music system should be used with discretion to avoid their misuse. It should also be ensured that equipment like music system, television etc. do not cause noise pollution and disturb people around. Efficient use of equipment includes correct selection, operation and care so that maximum amount of work can be performed with minimum effort and in the shortest possible time.

Principal Points



Build your understanding

Criteria for selection of Equipment

- Need Based
- Time, money, energy saving device
- Easy to clean and maintain
- Safe to handle
- Cost
- After sales service

What is Important to Know

1. Correct Use of Household Equipment

- Read the instructions given with the equipment and follow them strictly
- Check that the wire and plugs of all the electrical equipment are in proper order
- Cut off the power supply after using the equipment
- Keep all electrical equipment away from water

2. Measures to be taken for Usage and Maintenance of Equipment

- Electrical equipment not to be touched with wet hands
- Immediate repair of electrical equipment if giving shock
- Plug to be tightly fixed in the socket
- Wire to be secured with a clip
- Proper fuses to be installed in the main electric supply board
- Use Mini Circuit Breaker (MCB) for electrical connections
- Synthetic clothes to be avoided in the kitchen or while handling fire
- Pans with Bakelite or wooden handles to be used
- Thorough cleaning of all household equipment after use
- Fill the oil tank of stove to 2/3 level
- Replace cracked rubber tube of LPG stove
- Turn off the knob of LPG stove when not in use
- Store equipment with sharp edges with handle and sharp edge down
- Keep the vent pipe of a pressure cooker unclogged
- Don't remove the weight of the pressure cooker unless the pressure comes down
- Metal spoons and ladles not to be used on non-stick utensils
- Microwave safe utensils to be used in a microwave oven
- Regular oiling of sewing machine essential
- Use napkins and tongs to remove pans from fire

Did you know

Conservation of Resources by correct use of Equipment

1. Fuel

- Clean the burner of the stove
- Frozen food to be thawed before cooking
- Soak pulses, rice before cooking
- Use a pressure cooker
- Lower the flame once the pressure is built in the cooker
- Pan to be covered while cooking
- Hot food to be brought at room temperature before storing in the refrigerator
- Use solar cookers

2. Electricity

- Avoid frequent opening of refrigerator door
- Plan all activities to be performed then open the refrigerator door.
- Put off all switches when not in the room
- Use low wattage bulbs in washrooms & garden
- Minimize the use of geyser, mixer/grinder, washing machines
- Electrical appliances to be maintained regularly
- Increase the use of solar cookers, solar lanterns, and solar water heaters
- Use CFLs (compact fluorescent lights)

3. Water

- Recycle water
- Avoid showers use buckets
- Wash face with mug water rather than running water
- Use watering cans for watering plants
- Avoid pipes to wash cars, use a bucket
- Close the tap after the bucket /cooler is filled with water

Extend your Horizon

New Terms

- Grameen Sheetal: Small cupboard made of wire mesh. Covered with jute cloth the ends of which dip in water. Keeps food cool. Does not cause any pollution
- Standardized Products: Products which meet minimum standards of safety, durability and performance
- Guarantee: A promise for the efficient performance of an equipment

Evaluate yourself

- **List two things that you will check before buying a washing machine.**
- **Why should long wires always be clipped?**

Maximize your marks

- Attempt all the exercises given in the lesson.
- List four ways by which you can minimize the use of water in your house.