

# Metric Education

18 Inservice Points

Component No. 1 009 003

## **General Objective**

1. To familiarize teachers with the basic units of measurement used in the metric system.

## **Specific Objective**

1. Identify and name the basic units of linear measure (mm, cm, m, km).
2. Identify and name the basic units of capacity measure (ml, l).
3. Identify and name the basic units of mass (g, kg).
4. Identify and name temperatures as hot, comfortable or cold as measured on a Celsius scale.
5. Select an appropriate type unit and use that unit in a given measurement situation (linear unit for length, mass unit for mass).
6. Determine the area or volume of a given surface or given container.
7. State these prefixes in order from largest to smallest- kilo, hect, deka, deci, centi, milli).
8. Convert from a larger-to-smaller or smaller-to-larger unit within the metric system.

## **Activities**

1. Much of the time will be devoted to measuring activities.
2. Participants will measure various objects in the room.
3. Activities will include linear, area, volume, mass, capacity, and temperature measurements.
4. Practice in expressing measurements in alternative metric terms will be provided.

## **Evaluation**

1. Pre and post assessment tests will cover the specific objectives.
2. The participant will achieve at least 80% of the objectives.
3. Participants will complete a workshop evaluation form.

