

Activity Number- 10

Measurement

Class :VI

Subject: Science

Duration – 30minutes

Nature of activity : Group

Learning Outcome :Students will be able to **analyse** the need to have SI unit of measurement.

What I have to do ? To compare the results of lengths of objects using handspans with SI units.

What I require ?scale or measuring tape.

What do I need to know ?To measure objects using handspan and measuring tape/ruler.

Teacher's Activity: Teacher will

- (1) show her own handspan and ask students to measure the length of the desk with the help of their handspan.
- (2) then tell them to take the recordings of any four friends and write them in the observation table.
- (3) ask them to measure the same desk with the help of a measuring tape .

How will I proceed ?

Student's Activity: Students will :

- (1) measure the desk using handspans and record the observations of any four friends in the observation table.
- (2) Measure the desk using measuring tape/ruler and record the observations of same four friends using measuring tape/ruler .

What have I observed :

S.No	Length of table/desk(handspan)	Length of table/desk(in cm)
1.		
2.		
3.		
4.		

What have I learnt ? The length of desk differs using handsan from person to person as the size of the hand would be different for everyone and so it cannot be used as a reliable unit of measurement. However , on the other hand , the length of desk would be same always for everyone while using SI unit of measurement as it remains same for everyone

What I would be interested/curious about ? How to measure the length of a curved line with the help of a ruler or measuring tape.

Extended learning worksheet

Q1.What is meant by standard unit of measurement ?

Q2.It is necessary to have standard units of measurement ? Why or why not ?

Q3. Write the precautions to be taken while measuring the length of an object using a ruler or measuring tape.

Q4.Complete the following table.

Measurement	SI unit	Symbol	Tools used
	<u>metre</u>		<u>Metre rod</u>
<u>Mass</u>		<u>kg</u>	<u>Weighing machine</u>
<u>Time</u>		<u>s</u>	
		<u>K</u>	<u>Thermometer</u>