

# SCOPE OF SCIENCE

## SCOPE OF SCIENCE

Scope of science can be described in terms of

- ★ Characteristics of science
- ★ Values of science

## CHARACTERISTICS OF SCIENCE

- ★ Science is empirical.
- ★ Science grows through process of science
- ★ Scientific knowledge is replicable.
- ★ Scientific knowledge is holistic.



# CHARACTERISTICS OF SCIENCE

## CHARACTERISTICS OF SCIENCE

- ★ Science is a systematized learning.
- ★ Science is cumulative in nature.
- ★ Science inculcates spirit of inquiry.
- ★ Science as a tool for acquisition of skills.

## Science is empirical



Scientific knowledge is derived by observations & experimentations.



**Scientific knowledge is replicable**

## Scientific knowledge is replicable

It has been observed that science is based on evidence which can be investigated or researched in a different place and at different time given similar conditions



## Scientific knowledge is holistic

Knowledge produced by different branches of science contributes to an overall consistent conceptual understanding with holistic nature.

## **Scientific knowledge is tentative in nature**

Scientific knowledge is consistently changing  
in the light of new evidence.  
Dynamic in nature.

**Scientific knowledge is human effort**



**Scientific knowledge is human effort**

Scientific knowledge is an end product of  
human endeavour / pursuit

## Scientific knowledge rooted in humanistic values

Science has its own values of objectivity, rationality, neutrality & humanity.  
It is truly rooted in humanistic & pragmatic views and developing critical consciousness



pedagogicthoughts.blogspot.com

# Pedagogic Thoughts

