



Peoples' Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
University of Abou Bakr Belkaid Tlemcen



FACULTY OF NATURAL AND LIFE SCIENCES AND EARTH AND UNIVERSE DEPARTMENT OF BIOLOGY

3rd Year Licence TAACQ

COURSE TITLE: Scientific English

PREPARED AND PRESENTED BY DR HADJ MERABET DJAHIDA

(HADJMERABETD@GMAIL.COM)

15 /10/2023 (A06) 08H30-10H00

SCIENTIFIC ATTITUDE



Its an attitude that the scientist should possess...

A set of attitude that students study science should possess...

Définition

is a way of thinking , that can be obtained through science education. The acquisition of scientific attitude is one of the most important outcomes if science

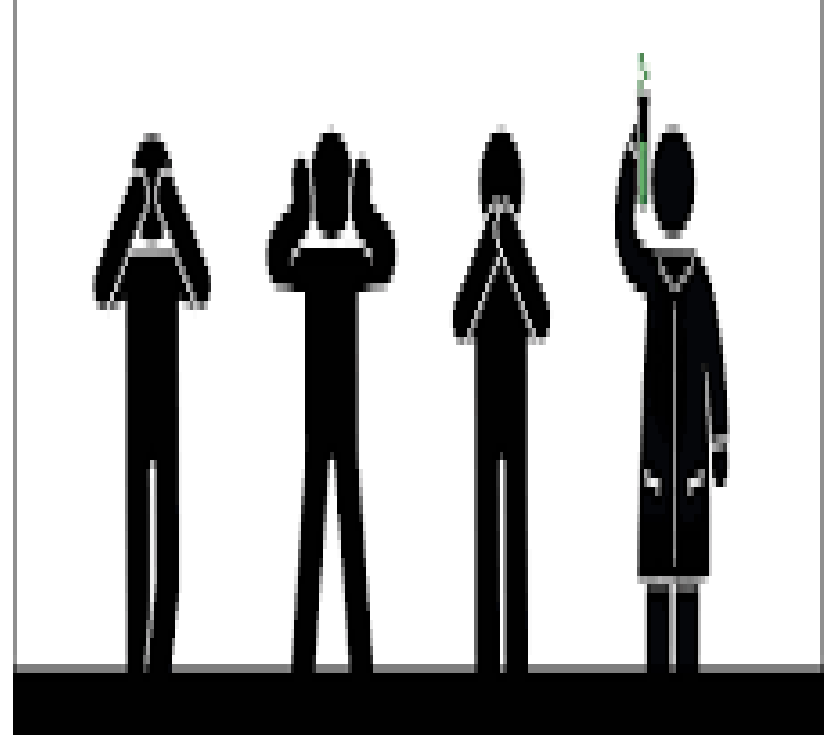
Attitudes are predispositions

Tendency

Inclination

mental set

habit of mind



**to think and act in a certain way.
approaches that define
“scientific” & “scientist”**

An attitude that will tend to foster scientific achievement. It is an important aspect of a personality of someone who wants to be successful in the field of science.

The methods and skills used by scientists are intimately connected to a set of attitudes common in the practice of science.



ACTIVITY 01

What are some of the characteristics of a person with a scientific attitude..???

1-CURIOSITY

is an attitude that makes you curious about the various thing around you.

An individual curiosity wants to know what it's all about, what it's for, how it's done, how it works and something else.



2- INTELLECTUAL HONESTY

is an attitude in which one should be truthful, for example by respecting the information sources.

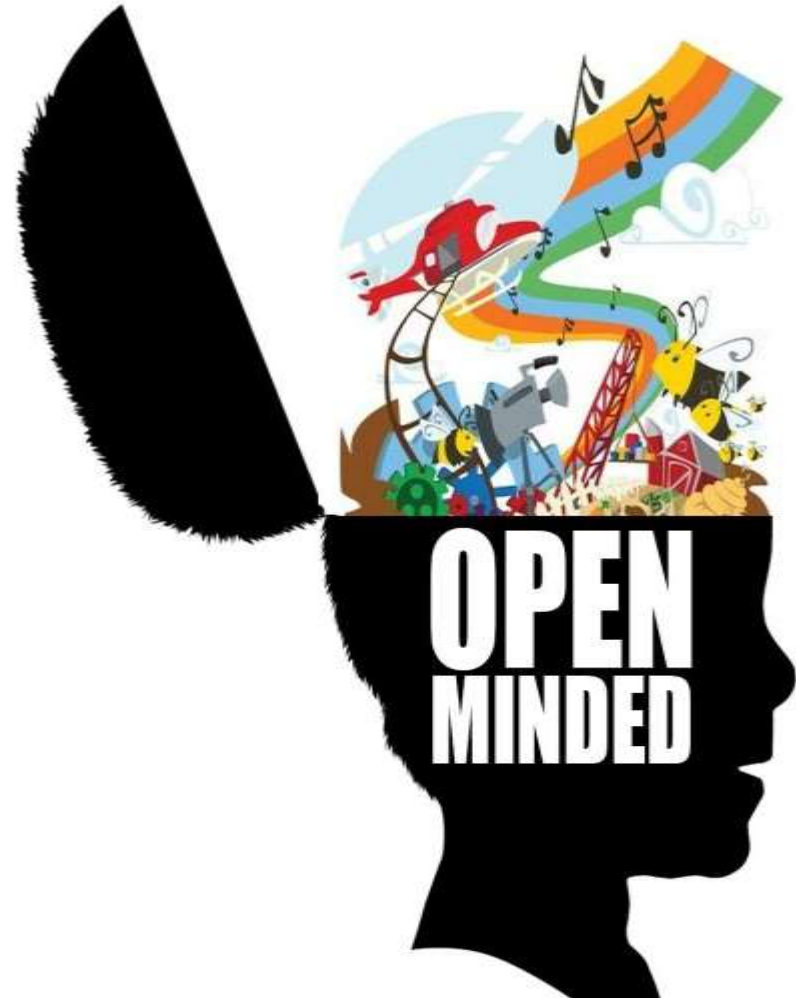


3-OPEN MINDEDNESS

is where a scientist listens to others thoughts, and values them.

He accepts criticism and changes his mind if his beliefs contradict reliable evidence.

It is attitude in which an individual does not reject any knowledge that is in conflict with his or her idea.



4-SKEPTICISM

Skepticism is based upon evidence-based logic and standards. It is where the scientist doubts, questions and considers conclusions. The skeptical attitude pervades science and is also applied to scientific assertions.



5- OBJECTIVITY

is where a scientist is objective unless he allows his feelings and biases to influence his recordings of observations, interpretation of data, and formulation of conclusions.



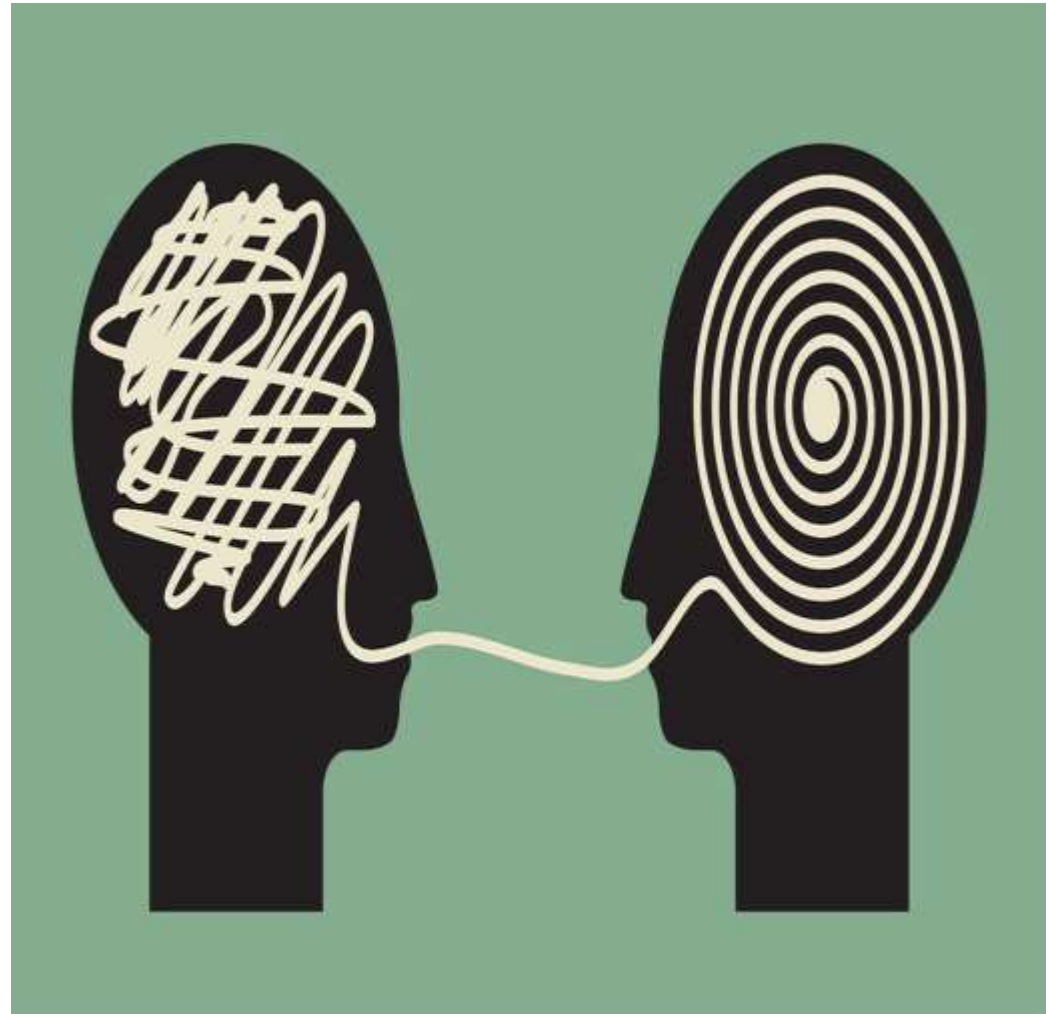
6- PERSEVERANCE

is not going to give up. It is continued effort to do or achieve something despite difficulties, failure or opposition.



7- RATIONALITY

is the attitude of an individual who believes that things happen with a cause. On this view, science is rational to the extent that the beliefs that it accumulates are true, and scientific reasoning is rational to the extent that it tends to produce true beliefs.



8- FASCINATION

**it ensues with
each discovery**



Albert Einstein



Thomas Edison

9- DETERMINATION

Be persistent in
your efforts.
Be firm and
self-confident



ACTIVITY 02

Directions: Choose the most correct scientific attitude from the box that being describe in the sentence below. Write the correct answer in the space provided.

Intellectual Honesty

Perseverance

Open-mindedness

Curiosity

Rationality

_____ 1. Tries hard to succeed.

_____ 2. Doesn't claim for the recognition of others.

_____ 3. Thinks outside the box.

_____ 4. Discovering things that are not expected.

_____ 5. Everything happened for a cause.

REFERENCES

- John W. Best & James V. Kahn (2005). Research in education. New Delhi: Pearson.
- Baskara Rao, Digumarti. (2007). Scientific attitude. New Delhi: Discovery Publishing House.
- Das, R.C. (1985). Science teaching in schools. New Delhi: Sterling Publishers Pvt. Ltd.