

Pedagogic Thoughts

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Thursday, 12 January 2017

Scientific Aptitude

Natural ability to do something

Aptitude is defined as a 'pronounced innate capacity for or ability in a given field such as a particular art, school subject or vocation'.

An aptitude refers to an individual's **inborn capacities or potentialities** which are indicative of some special abilities.

A **natural ability to do specific task or something**, Aptitudes are natural talents or inclinations for certain types of activities.

Right aptitude of a person, in any specific field indicates his ability of having & developing, acquiring skills in that particular field.

Aptitude is a combination of characteristics indicative of individual's **capacity to acquire some specific knowledge, skill** or set of organized responses. Aptitude refers to those **qualities characterizing person's way of behavior** which serve to indicate how well he can learn to meet and solve certain specified kind of problems.

- > **Inborn tendencies**
- > Future reference and can predict degree of attainment
- > Concerned with the present condition.

Scientific aptitude is the **inherent ability (in the field of science) which helps in acquiring required skills and proficiency in the field of science**.

The proficiency in scientific process skills, in learning science and hereditary background are some of the determinants of scientific aptitude. These characteristics include mental acuity, creative abilities **capacity for critical thinking, ability to see relationships, suspended judgment, and open-mindedness**.

Scientific Attitude v/s Scientific Aptitude at a glance

Scientific Attitude

1. Is a **condition of mind generating emotional states**
2. Is a **pre-requisite for science study**
3. **Can be created by studying science**
4. Scientific Attitude is the way one look at science and behaves about it.
5. Scientific attitude is defined as **open mindedness, a desire for accurate knowledge, confidence in procedure for seeking knowledge and expectation that the solution of the problem will come through the use of verified knowledge**

Scientific Aptitude

1. It is an **inborn or inherent capacity**.
2. **Cannot be created. (It exists in the individual which may be perfected through science study)**
3. Even if there is no aptitude, you can teach science to an average level.
4. Scientific Aptitude is how good one is in science and its requirements



REJI

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5. Scientific aptitude implies interest in scientific activities.

Posted by **REJI** at **22:44**

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