

A Correlation Study of Scientific Attitude and Scientific Interest of class IX Students

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ABSTRACT

Science has brought about revolutionary changes in every walk of life. Its impact is visible everywhere and in every aspect of our existence i.e. vocational, social, economic, political and cultural. Science attitude refers to an individual's outlook towards life. It means willingness to adopt scientific approaches and procedures for resolving issues / assessing ideas or information. Science attitude denotes interest or feeling towards studying science. The main objective of the study was to study the correlation between Scientific Attitude and Scientific Interest of class IX students. To obtain the above objective normative survey method has been used. 320 students were selected from government and private school for the study. The finding of the study reveals that there is high positive correlation (0.73) found between the Scientific Attitude and Scientific Interest of class IX students.

Keywords: *Scientific Attitude, Scientific Interest*

As we live in era of ICT we know that. Science has dominated every field and it has become essential for every citizen to acquaint himself with various aspects of science. Therefore Science is being taught as a compulsory subject up to class X in the schools of Madhya Pradesh. In schools lot of emphasis is being laid on the teaching of science, but only cognitive part is being emphasized. The effective and psychomotor domain is neglected.

More over nobody cares whether the students are taking interest in science activities. Hence it is necessary to study the Scientific Attitude and Interest of school going children.

Attitude is a condition of readiness for a certain type of activity. Attitudes held by the individuals may be simple or complex, stable or unstable, temporary or permanent and superficial or fundamental, judgments based upon insufficient facts are likely to yield wrong results and there by develop based attitude.

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Science is one of those human activities that man has created to gratify certain human needs and desires. Curiosity has been the greatest motive power of scientific research. The “**Search of truth**” becomes the dominant motive in the prosecution of science. It has been persuaded for so many centuries and attracted ever wider extent of attention of a much persisted group of people.

Science is valued mostly for its practical advantages through it is also valued for gratifying curiosity and as an object of great aesthetic charm. It is quite obvious that the bulk of mankind value science chiefly for the practical advantages it brings with it.

Therefore it is necessary to develop scientific interests today. In today’s scientific world when we are surrounded by various scientific equipments / machines etc. in our daily life, knowledge about these is essential for one’s survival.

Hence it is essential to conduct various programmes/ projects for practical experience so as to investigate Scientific Interest among students and lead to development of Scientific Attitude and scientific outlook.

Variable

Independent Variable – Scientific Attitude

Dependent Variable – Scientific Interest

OBJECTIVE

- To Study the correlation between scientific Attitude and Scientific interest of the class IX Students.

Hypothesis

- There will be a significant correlation between the Scientific Attitude and scientific interest of the students of class IX.

METHODOLOGY

To collect the data and necessary information normative survey method was applied.

Tools Of The Study

The tools used for the present study are given below.

- 1- Test of Scientific attitude Scale by Dr.(Smt.) Dharmshila Malviya
- 2- Test of Scientific Interest tests by Dr. L.N.Dubey & Archana Dubey , .

Sample

The Research was administered on 320 Students of Class IX from Jabalpur City. The test was given to 160 students of the Government School and 160 of Private schools. The random sampling technique was used to select the sample.

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Procedure

The researcher administered the standardized test of scientific Attitude and Scientific Interest on students of the IX Class. After administration of the test, the scores of Scientific Attitudes and Scientific Interest tests of student was tabulated separately. For the analysis of data, correlation was calculated for the scientific Attitude and scientific interest scores.

RESULT

Table No. – 1, Shows the Significant correlation between the Scientific Attitude and Scientific Interest

To find out the correlation between Scientific Attitude and Scientific Interest scores of SAT and SIT of 160 student of same I.Q. are tabulated

S. No.	Group	M	X ²	Y ²	ΣXY	'r'
1.	Scientific Attitude	88.0	360.00	231.0	210.3	0.73
2.	Scientific Interest	92.0				

The Mean of Scientific attitude and scientific interest of the whole group is 88.0 and 92.0 respectively. It shows that the whole group has got high positive Scientific Attitude and Scientific Interest. On the basis of above data correlation between scientific Attitude and scientific interests is found 0.73 which shows the high positive correlation between the scientific Attitude and Scientific Interests of IX class Students.

On the basis of the above result the given hypothesis **“There will be a significant correlation between the Scientific Attitude and Scientific Interest of the students of class IX ”** is not rejected.

This high positive correlation between scientific Attitude and Scientific Interests shows that the students of high scientific Attitude have high Scientific Interests also. Savita Mishra (2013) also found that there was a positive low correlation between science attitude and educational aspiration. This study supports the finding of the above study.

CONCLUSION

- There is significant high positive correlation (0.73) found between the Scientific Attitude and Scientific Interest of class IX students.
- The above result reveals that the students who have high Scientific Attitude show high Scientific Interest also.

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