

A) General Information: -

1. Name of the Institute: DIET, Dilshad Garden

2. Details of the Investigator(s):

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3. Project/ Study Conducted Academic Session: 2014

4. Institute where Project/Study submitted: DIET, Dilshad Garden

5. Theme of the Project/Study: Teacher and Teaching

6. Level of the study: School level

B) Summary of the Conducted Research work/Project/Study: -

1. Title: Achievement level of Students in Science

2. Introduction: Science allows students to explore their world and discover new things. It is an important part of the foundation for education for all children. It also teaches children necessary skills that they can use in other areas of their lives. Early experiences in science help children develop problem-solving skills and motivate them towards a lifelong interest in the natural world. We cannot expect a high school student to understand the complexities of biology and chemistry if they never given a foundation of science education at a younger age. Many students are unable to understand this subject. These students find the subject to be the most difficult. The modern age is the age of science. The achievement of science made the man no longer a helpless toy in the hand of nature but the proud master of the three worlds i.e. land, air and water. It has developed the ability of launching satellites in space. Besides so much advancement and achievement of science, the world has to face some unique kind of problems which were never felt in the history of the mankind earlier. Today our earth is so much polluted that even its existence is threatened. Science brought about fresh complication in our social, economic and political affairs. But at the same time, it is only science which provides clues to resolve these complications. Present study is an attempt to study achievement of students in science in N/E district of Delhi.

3. Research Objectives: Main objective of the study work: i) to study the achievement level of students in class V final exam on the basis of gender, ii) to study the achievement level of students in class V final exam on the basis of different types of school, iii) to study the achievement level of students based on tool on the basis of gender, iv) to study the achievement level of students based on tool on the basis of different types of school, v) to study the difference between the achievement levels of students based on class V

final exam and based on tool on the basis of gender, vi) to study the difference between the achievement level of students based on class V final exam and based on tool on the basis of different types of school, vii) to study the difference between the achievement levels of students based on class V final exam and based on tool. The present study aims to find out the differences between actual performance and achievement in at class V.

4. Research Design:

- **Research method(s):** Survey method under descriptive research was used in this study.
- **Tools and techniques used:** Achievement test was developed by the investigators for the present study and it consists of 40 items. Each item carries '1' mark for right answer and '0' for wrong answer.
- **Statistical techniques:** Percentage, Mean and t- test were used for analyzing the data.

5. **Research findings:** The main finding of the study was- i) there is no significant difference in achievement levels of students based on class V final exam. Also according to mean achievement of girls is slightly better than boys, ii) there is no significant difference in achievement levels of students in class V final exam on the basis of different types of school, iii) There is no significant difference in achievement levels of students based on tool further the average of girls is more than that of boys, vi) There is no significant difference in achievement levels of students based on tool on the basis of different types of school, v) Significant difference exists between final exam marks and marks in achievement test of boys in science, vi) no significant difference exists between final exam marks and marks in achievement among girls in science, vii) no significant difference exists between final exam marks and marks on tool for students of Sarvodaya school and other school students in science.

6. **Educational implications:** From these findings we can say that to bridge this gap in achievement children may be allowed to work with objects around them independently and make mistakes and think independently. They should be encouraged to speak in their own words. In classroom they should be engaged in the process of simple science hence

encourage them to construct their own knowledge. Most people know that academic performance generally refers to how well a student is accomplishing his or her tasks and studies, but there are quite a number of factors that determine the level and quality of students' academic performance i.e. Grades/Marks or Score, Attendance, Standardized Tests, Extracurricular Activities & Attitude. Science is a dynamic, expanding body of knowledge covering ever new domains of experience. We need to provide opportunity to children to realize that learning to learn and the willingness to unlearn and relearn are important as means of responding to new situations in a flexible and creative manner.

7. **Scope of the study:** Science promotes scientific thinking and logic based understanding, therefore it is important for students of all classes. Similar study can be conducted for senior class students for analyzing their understanding. Similar study can be conducted in other districts and research can be done for other subjects also. Future similar study can be conducted on larger sample of students as small sample make it difficult to generalize the findings