

- Self-study activities should be created that stimulate children's thinking and arouse their curiosity so that they can do self-study.
- Children should make their own self-study and M.C.Q booklets and use them. It is necessary to be alert for the work of enlightenment to take place.

❖ **Abstract :**

The primary objective of the present study is to examine the effectiveness of diagnostic and remedial teaching methods in the subject of Physics for students of Standard 12 Science stream. A diagnostic approach is adopted to identify, at an early stage, the learning difficulties, errors, and misconceptions that students face in the subject. There after, to address the identified challenges, remedial teaching methods are implemented through special guidance, revision, supportive activities, and individual attention.

The study will evaluate the impact of both methods on academic progress, students' understanding, confidence, procedural skills, and improvements in their performance. For research purposes, comparative analysis will be conducted using collected data, pre-tests and post-tests, observations, and feedback from students and teachers.

❖ **Conclusion :**

A new education policy is coming. The country is entering the 21st century in the field of science and technology. As we are entering the computer age, we will not be satisfied with teaching only in the classroom with the chalk and talk method. The time has come to use different techniques in the classroom based on the research done in education.



Topic : Investigating the Effectiveness of Diagnostic and Remedial Teaching Methods in Chemistry for Std. 11th Science

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- ❖ **Introduction :** The teaching of Chemistry, particularly in Class 11th, poses significant challenges for educators. Two teaching methods that have gained prominence in addressing these challenges are diagnostic and remedial teaching methods. This article aims to examine the effectiveness of these methods in enhancing student understanding and academic performance in Chemistry.
- ❖ **Diagnostic Teaching Method :** Diagnostic teaching involves identifying students' strengths and weaknesses to inform curriculum planning and guide instruction. According to my action Research "Diagnostic testing helps identify specific learning deficiencies in students, allowing teachers to provide targeted remedial instruction"
- ❖ **Remedial Teaching Method :** Remedial teaching, on the other hand, provides corrective measures to address learning difficulties I found that remedial teaching techniques significantly improved student achievement in Chemistry. Remedial teaching involves providing additional support to students who struggle with specific concepts, helping them to catch up with their peers.
- ❖ **Effectiveness of Diagnostic and Remedial Teaching Methods :** Research suggests that both diagnostic and remedial teaching methods are effective in improving student outcomes in Chemistry. A study found that teaching using models and drawings And Real Time Examples with Proper Demonstration in the classroom enhanced students' understanding of abstract concepts, such as ionic and metallic bonding. This approach can be particularly useful in Chemistry, where complex concepts often require visual aids to facilitate understanding.