# EFFECTIVENESS OF TEACHING-LEARNING MATERIALS DETERMINING ACADEMIC ACHIEVEMENT OF SENIOR SECONDARY SCIENCE STUDENTS

**ABHISHEK BANERJEE**
https://orcid.org 0000-0001-6549-5874
abhishekbanerjee1006@gmail.com
School of Education, Adamas University, India

## ABSTRACT

Teaching-Learning Materials refers to any collection of audios, visual and audio-visual materials including animate and inanimate objects and human and non-human resources that a teacher may use in teaching and learning situations to help in achieving desired learning objectives through experiential, practical, conceptual and contextual experience, thinking as well as learning. Sharma (2012) revealed that the effective use of instructional materials in the classroom draws the attention of students due to its multisensory experience. Ths study aimed to understand the effectiveness of TLM in the course of Senior Secondary Science Students, to understand the Effectiveness of Teaching-Learning Material in Academic Achievemen, to understand the effectiveness of remedial intervention proram. This study used Experimental Research Design (One Group) with Purposive Sampling Technique was used followed by the usage of Science Achievement Test, standardized adopted and adapted tool that includes different types of 40 questions and 12 days designed remedial intervention program. Statistical Techniques like Mean, SD, SEd and t-test was adopted and comparative study was analysed to infer the outcomes. Based on the findings, it was clearly found that students achieve more in post-test than the pre-test, which signifies that the use of teaching-learning material is more effective in Academic achievement. Teaching-Learning materials are important tools for the teaching-learning process. Thus, it helps the teacher to deliver the lesson effectively and students learn and retain the concepts (abstract and concrete) better and for a longer duration.

*Keywords: Education, Academic Achievement, Experimental Research Design, Purposive Sampling Technique, India*