

# **Effect of Active Learning Method on Achievement in Science among Secondary School Students**

**Shibu Sivanand<sup>1</sup> and Dr. Hardeep<sup>2</sup>**

Research Scholar, Department of Education<sup>1</sup>

Professor, Department of Education<sup>2</sup>

Sunrise University, Alwar, Raj., India

**Abstract:** The rapid advancements in the field of teaching and learning have made remarkable changes in the traditional educational systems. It adopts modern pedagogical techniques in teaching-learning process and creates innovative learning environments that motivate the students for better learning. Active learning is one among them. Active learning has gained popularity in various educational settings, from primary schools to higher education institutions. It aims to provide greater flexibility and adapt to the changing needs of modern learners. The present study is intended to examine the effect of active learning method on achievement in science among secondary school students. Experimental method was used for the study. The researcher used pre test posttest experimental and control groups design for the study. A sample of 80 ninth standard students from Thiruvananthapuram district of Kerala is selected for the study. The data were collected using a pretest and posttest before and after the intervention using active learning method to experimental group and demonstration method to control group were analysed using different statistical techniques like mean, standard deviation and Analysis of Co variance, ANCOVA. The findings of the study revealed that active learning method was effective for enhancing achievement in science among secondary school students.

**Keywords:** Active learning, Achievement, Science, Secondary school students