

RELATION OF SCIENCE STUDYING APPROACH AND ATTITUDE TOWARDS
SCIENCE WITH PROCESS OUTCOMES IN PHYSICAL SCIENCE OF SECONDARY
SCHOOL PUPILS

Name of the student : M. VINEETHA
Name of supervising teacher : Mr. FAZILUDDIN A
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OBJECTIVES

To estimate the extent of relation between process outcomes in physical science and each of the independent variables (science studying approach, attitude towards science) for the total sample.

METHODOLOGY

Method used : Survey method

Sample : 516 students of standard IX from 12 schools of two districts of Kerala viz; Kozhikkode and Malappuram

Tool : Science studying approach inventory, Scale of Attitude towards Science , Test of process outcomes in physical science.

Statistical Techniques : Pearson's product moment coefficient of correlation(r), Test of significance of r , 0.01 level confidence interval of r , Shared variance, Two tailed test of significance of difference between mean scores of large independent samples.

RESULT

Each of the independent variables Science studying approach and attitude towards science has significant effect on process outcomes in physical science. The organized vs disorganized approach to studying has a low correlation while deep Vs surface approach and attitude towards Science have high correlations with process outcomes in physical science. That is the deep Vs surface approach and high attitude towards science are essential for better process outcomes in physical science.

KEY TERMS: Science studying approach, Attitude towards science, Process outcomes in physical science.