

DEVELOPMENT OF MATHEMATICAL INTEREST IN SECONDARY SCHOOL STUDENTS

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ABSTRACT

Mathematics is beneficial in aiding students' comprehension of other subjects and their ability to think logically, analytically, systematically, critically, and creatively. Mathematics is inextricably linked to the advancement of science and technology. The more advanced a nation's science and technology is, the more advanced the state is. Furthermore, because science and technology make such a significant contribution to the nation's economic development and prosperity, advancements in science and technology will decide the nation's well-being. Nowadays, many professions require mathematical analysis and anticipate mathematical ability to solve innovative difficulties. As a result, the current study is titled A Study of Secondary School Students' Interest Attitudes and Academic Achievement in Mathematics. The researcher randomly picked 800 secondary school students from Palnadu and Guntur districts in Andhra Pradesh. Dr Uma Tandon and Ashok Pal administered the Mathematics Interest Inventory. Dr Ali Imam and Dr Tahira Khatoon developed and standardized a mathematical attitude scale. The descriptive statistical analyses revealed that secondary school students' Interest in mathematics and attitudes toward mathematics have a strong relationship. Interest in mathematics and attitudes toward mathematics are positively associated. The second correlation is a significant positive relationship between Interest in mathematics and mathematical achievement. The third correlation is a favorable relationship between secondary school pupils' attitudes toward mathematics and their achievement in mathematics.

KEYWORDS: *Interest, Attitudes, Mathematics, Achievement in Mathematics*