



## 4MAT MODEL'S IMPACT ON THE LEARNING STYLES, SUCCESS AND ATTITUDES TOWARDS MATHEMATICS

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### Abstract

Instructors seek new approaches and methods to facilitate and to achieve learning while the learning process constantly changes and develops. Individual characteristics are considered important factors to facilitate learning. An individual's learning style (LS) is one of the important factors affecting the learning process. There is a consensus among researchers (Dunn, 1990; Claxton ve Murrell, 1987) that knowledge regarding an individual's LS will facilitate in his/her learning process and it should be considered in the process.

First, the McCarthy's "Student Learning Preferences Survey" and Alkan's "The Attitude towards Mathematics" were applied to subjects and individuals' LS and attitudes were identified. The learning process with appropriate techniques for the individual's LS was initiated and the process proceeded.

Our results indicated that depending on the learning approach applied and the method use, students' LSs can change. Noticeable changes in the students' academic success were observed with this approach.

**Key Words:** Learning style, 4MAT.