AN INVESTIGATION ON A COMPUTER-ASSISTED DIGITAL MUSICAL TEACHING MATERIAL FOR THE SPECIAL EDUCATION OF EDUCABLE MENTALLY RETARDED CHILDREN IN TURKEY

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## Topics

## Sample

The Co-DiTeachMaterial in the study was applied with the one-to-one teaching method for the music education of six randomly selected EMRChildren between the ages 7 and 11 who were attending to special education and rehabilitation centers in Istanbul.

# Abstract

This study investigates the development and application processes of the Computer-Assisted Digital Musical Teaching Material (Co-DiTeachMaterial) designed for easy and enjoyable musical learning of mentally retarded children. Co-DiTeachMaterial-assisted learning for the basic elements of music and recognizing various animated visuals through sounds are important for the development of auditory and visual perception of these children. Experimental study were carried out in special education and rehabilitation center with six children ranging from 7 to 11. Four modules, are created by researcher, were applied one-to-one to students. Special education teachers were asked to report their opinions. According to both the analysis reports and observation surveys, the children were more successful in the tests of Musical Instruments module than other modules of the material. Results demonstrate that lowest success rate in the Speed module was yielded and a consistent success in the modules of Sound and Environmental Sounds was shown.

# Outcome

"The general analysis report among the modules showed that 93.33% of all the students who
participated in the research received the highest scores in the definition of musical instruments. The lowest and similar scores were observed in the modules for speed and sound perceptions. Hence, diversifying and repeating the studies to improve the speed and sound perceptions of Educable Mentally Retarded (EMR) Children is important in increasing the success rate." (Sağer Yılma Şakalar, 2018, p.591)
"The research showed that the correct answers given without hesitation has an important place in the development of self-confidence of the EMRChildren." (Sağer Yılma Şakalar, 2018, p.592)