

Teaching and Learning Mathematics with Hearing Impaired Students

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ABSTRACT The purpose of this action research was to analyze the teaching efforts of mathematics to seventh grade hearing-impaired students at the Education and Research Center for Hearing Impaired Children (ERCHIC). The data were collected via video recordings of the group and individual mathematical instructions; the audio recordings of the reflective meetings, lesson plans, exams, reflective diaries, data evaluation charts, and interviews; and the files related to the students' mathematics work in 2009–2010. Different quantitative and qualitative data analysis techniques have been applied before, during, and after the research process. It was observed that the students participating in the study have benefited from the application of balanced mathematics instruction (BMI). In addition, this study is thought to contribute to the related literature and to create a structure for teaching mathematics to hearing-impaired students. The study is also expected to contribute to the curriculum of mathematics that will be developed for hearing-impaired students in Turkey.