

## **The role of using the active methods of teaching science in cultivating the spirit of questioning research and achievement of Iranian students**

### **ABSTRACT**

This study is in order to investigate the role of using the *active* methods of teaching science in cultivating the spirit of questioning-research and achievement of the students studying in the fourth grade of Iranian primary schools. The result shows that there is no significant difference between using *active* teaching methods as well as the spirit of Questioning-research in the students. In addition, there is no significant difference between using *active* teaching method and the score of students in the questionnaire for observing the questioning-research behavior. On the other hand, there is a significant difference between using inactive teaching method in the average score of students, which has been obtained from the achievement test.

**Keyword:** Active method; Questioning-Research; Science; Achievement

