

# The Impact of Teaching Techniques on Development of Thinking Competence in Kosovo Primary Schools: A mixed research

Hatixhe Ismajli and Anemone Kurshumlja

Faculty of Education, University of Prishtina, Kosovo

## Abstract

Teaching techniques ensure the active participation of students in learning tasks and activities that stimulate the development of thinking competence. This research aims to explore/analyze the impact of teaching techniques that create opportunities for the development of the competence "critical thinking student". The research also aims to identify teachers' attitudes about the impact of teaching techniques on the development of thinking competence in the subject of mathematics. The mixed approach was used in the research while the research method was quasi-experimental design. The number of research subjects were 70 students (fourth grade) of the primary school in Kosovo consisting of 34 students in the experimental group and 36 students in the control group. Data were collected through pre-test, post-test, and semi-structured interviews with 6 primary school teachers. The findings of the study show that: (1) there is a significant difference in the use of teaching techniques in mathematics in achieving thinking competence, (2) the techniques used in the experimental group enabled students to complete the tasks justifying the solution and (3) stimulated the student's thinking to explore through different situations, which require high levels of classification and analysis, eventually leading to the development of a large number of thinking skills. Inclusion of teaching techniques in the accompanying curriculum documents related to the subject of mathematics, but also to other subjects, providing training for teachers in the service on how to use teaching techniques that develop thinking competence, evaluation of this competence are some of the recommendations to overcome current challenges in development of thinking competence.

**Keywords:** thinking competence; teaching techniques; critical thinking; creative thinking; mathematic subject