ISSN 0972-0073

THE ANTHROPOLOGIST

International Journal of Contemporary and Applied Studies of Man

© Kamla-Raj 2015 Anthropologist, 20(1,2): 369-376 (2015)
PRINT: ISSN 0972-0073 ONLINE: ISSN 2456-6802 DOI: 10.31901/24566802.2015/20.1-2.39

The Effect of Inquiry-Based Laboratory Application on Thinking Styles of Students

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KEYWORDS Chemistry Inquiry-Based Learning. Teacher Candidate. Thinking Styles

ABSTRACT The aim of this study is to determine the thinking styles of teacher candidates and examine the impact of inquiry-based laboratory applications on thinking styles. This research was designed as an experimental model based on a control group with pre- and post-tests. Data were collected by applying the "Thinking Styles Inventory". The thinking styles of teacher candidates developed differently, depending on traditional laboratory and inquiry-based laboratory applications. When post-test scores of thinking styles were examined, there was an increase in the scores of teacher candidates. Therefore, it can be concluded that traditional laboratory and inquiry-based laboratory applications are effective for developing the thinking styles of teacher candidates.