



CREATIVE THINKING SKILLS ANALYZES OF VOCATIONAL HIGH SCHOOL STUDENTS

Assoc. Prof. Dr. Hakan Türkmən
Ege Üniversitesi Eğitim Fakültesi
İlköğretim Bölümü, 35100, Bornova-İzmir
TURKEY
hakan.turkmen@ege.edu.tr

Mehmet Sertkahya
İ.POLAT Ege Seramik A.T.E.M. Lisesi
35730, Kemalpaşa-İzmir
TURKEY
sertnewton80@hotmail.com

Abstract

Creativity consists of flexible, fluent, unique and unordinary thinking in different situations. In educational systems, one of the most important skills which students should gain is creative thinking. In this study, "creativity scale" (7 items) which is developed by Hu and Adey (2002) and adapted to Turkish is applied to 59 Vocational High School Students, 9-10-11th grade level students. When we compare students' GPA scores and responses of creativity scale of first 4 items in the way of fluency and unique, the results are supported by researches which say there is positive but limited association between students' academic successes and creativity. Other 3 items responses differences are more than related researches. Thus we can say this result is supported by literature which says the knowledge is necessary but not enough for creative thinking. On the other hand, students being teenager and having much more knowledge and much more experiences causes to have much more mental images related creativity scale items and many difference responses.

Key Words: Science education, creative thinking, vocational high school learners.