

DETERMINATION OF THE LEVELS OF RESPONSIBILITIES OF STUDENT-WRITING ASTRONOMY IN SECONDARY SCIENCE TEACHERS

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Abstract

The purpose of this study is to examine the level of knowledge of secondary school science teachers about astronomy topics and the extent to which teachers can understand astronomy knowledge at the level that middle school students can understand. For this purpose, firstly, 5th, 6th and 7th grade students were asked to write astronomy and related letters and a total of 120 student questionnaires were obtained. After the expert opinion, 10 open-ended questions were selected and asked to 16 science teachers work different secondary schools to answer these questions in accordance with the levels of the students. The answers given by the teachers were determined with the answer key prepared for scientific correctness and then the answers were used with qualitative data analysis techniques. The study kit differs from this study in that it is composed of the questions most students are curious about.

Keywords: Astronomy Education, Science Teachers, Knowledge Level.