



Discussion and analysis of physics examination questions under the new curriculum standards for high school entrance examinations

HongYing LU and XianQiu WU

School of Physics and Telecommunication Engineering
South China Normal University
Guangzhou, 510631, CHINA

Email: ctdxs1979@tom.com and xqwu@scnu.edu.cn

Received 7 July, 2004

Revised 12 Aug., 2004

Abstract

The physics questions in the high school entrance examinations will be set by integrating the concept of science-technology-society, relating with actual problems in our daily-life or society, assessing students' ability to explore science, and paying attention to the infiltration among subjects. Those emphases lead into the new achievement of physical science which is done in accordance with the constructivist views of learning and so they can facilitate the implementation of the new science curriculum standards, promote the reform of classroom science teaching processes, and enhance the students' scientific literacy.

Keywords: constructivist views of learning; the new science curriculum standards; high school entrance examination; physics; scientific exploration