

SUMMARY

In practice undergraduate student 6 courses, group OB-51s, FMF, CPI

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Topic: "Formation of the graphic elements of competence using ICT in laboratory studies physics primary school"

Topicality. Modern society harakteryzuyet rapid increase in information flows. Among which occupy a significant part of graphs, charts and different functional dependence. A person should be able to analyze and process information is available in the form of graphs, charts and various functional dependencies. Therefore, it is important and urgent problem today is the formation of graphic elements expertise in the study of natural sciences, particularly physics in secondary schools.

Formulation of the problem. Analysis of the scientific and methodological literature showed that the subjects of science run in GEI given less time. However, one of the urgent problem of all science disciplines cycle is forming elements graphic competence. This competence is important for future professionals of technical and economic direction. Therefore physics lessons should be available within the time limit to implement the formation of graphic competence.

Solutions to the problem. Effectively solve this problem in physics lessons perhaps involving information technology and available in children modern gadgets, smartphones, tablets, laptops. Using IT to the developed technique will create better graphical elements of competence. Basic steps for solving this problem are:

- analysis of scientific and technical literature in order to use the features and elements of graphic competence.

- identify problems in the formation of graphic competence in secondary school pupils in the study of physics.

- analysis of available software that can be adapted to the needs of the educational process in physics.

- designed and implementation of the learning process using IT methods during laboratory practical and laboratory work at CEI.

Results and conclusions: separated main elements of graphic competence; clarified the main problems in the formation of graphic competence in secondary school pupils; Programs selected for modern gadgets (phones, tablets, laptops) and developed guidelines for their use in the educational process in physics at the elementary school; oprobavano method of forming graphic competence on the basis of IT in the educational process in physics in the laboratory work.