

USING OF ALTERNATIVE ENERGY SOURCES IN THE DEVELOPMENT OF STUDENTS' CREATIVITY

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ABSTRACT

The following article deals with a systematic analysis of the opportunities of using alternative energy sources in the development of students' creative abilities, as well as information about innovative techniques and technologies currently used in various industries in the classroom and extracurricular activities in Physics and Technology subjects. The pedagogical possibilities of developing students' creative abilities through the design, construction and modeling of alternative energy sources in the education system have been studied. In general secondary schools, in the process of teaching Physics and Technology subjects, the student should be able to think technically in the independent design and construction of a new product of a certain type, in order to understand the essence of the problem or task, think, visualize the shape of the object and prepare it in practice. The development of recommendations for the development of performance skills are pedagogically based as well. In the organization of practical, creative work of students in Physics and Technology classes are recommended methods of developing the structure of products, assembling their parts, materials used in their manufacture, types of tools and methods of work, the level of properties of products from simple to complex. Students were informed about the current challenges of using alternative energy sources in the development of creative abilities of students in the process of performing practical creative work in the classroom and extracurricular activities.

Keywords: Creativity, Physics, Technology, alternative energy sources devices, design, construction, technical thinking.