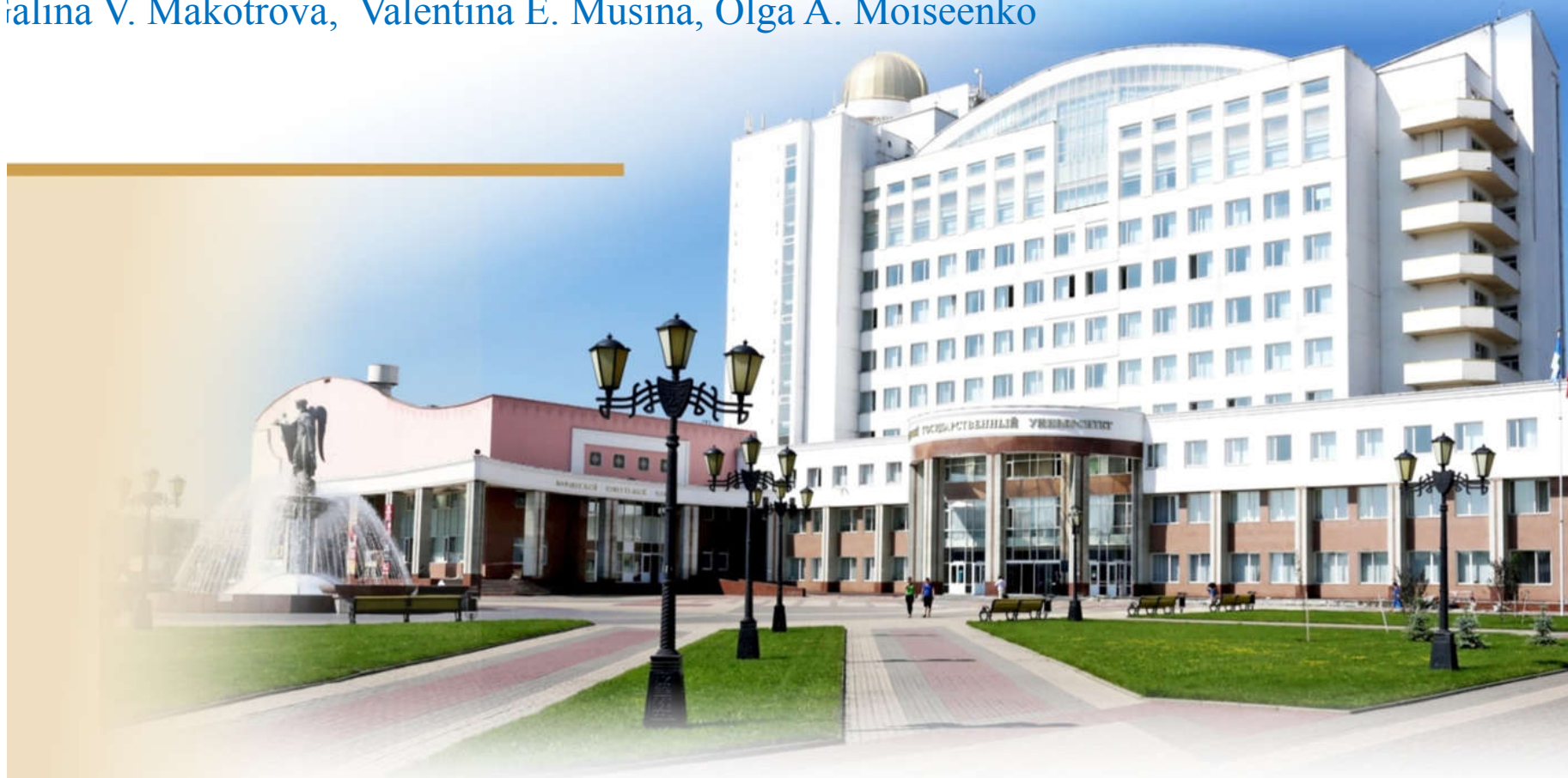


**Development of students research potential:  
“from cultural acceptance to cultural  
creation”**



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## HIGH SCHOOL STUDENTS RESEARCH CAPABILITY

is determined by inclinations, abilities, cognitive experience in learning and life activities. It is a dynamic personal resource that represents an integrative unity of high school students orientation to their own cognition, other people and the world; sensory and visual images and knowledge about the universe, wildlife, society and man; ways of cognition of the surrounding world.

When solving research tasks its implementation provide determination, restructuring the direction and content activity and creative self-development.



## PROBLEM STATEMENT

It is revealed an essential contradiction between the need to prepare high school students for culturally creative cognitive activity and the lack of didactic support for this process.

The establishing experiment (2059) resulted in the following: 6.3% of high school students have got adaptive level of research capability; 61.6% of high school students under test have got reproductive level, heuristic level is for 31.6%. As for creative level it is peculiar only for 0.5% of high school students under test.

- The problems connected with the organization of high school students' advancement through learning situations from cultural appropriation to cultural creativity are as following:
  - (1) how to use texts in organization of high school students research;
  - (2) how to overcome the domination of the organization of high school students cognitive activity in the form of assimilation;
  - (3) how high school students are capable to master research methods;
  - (4) how to use digital technologies within the established goals.

## CONCEPT OF CULTURAL CREATION IN DEVELOPMENT OF HIGH SCHOOL STUDENTS RESEARCH CAPABILITY



It is for the first time when the development of a high school student research capability is being considered as a cultural creative process and as a process of continuous emergence and dialectical self-renewal of his/her constituent personal characteristics which are implemented in a sequence of learning situations like these – culture appropriation, cultural use, cultural interpretation, cultural creativity.

It is established that in the learning situation of cultural appropriation the tonus component of the high school students research capability is manifested to the maximum extent. As for the learning situation of cultural use the technological readiness for research is evident. In the learning situation of cultural interpreting scientific style of thinking is specific. In the learning situation of cultural creation creative activity of the personality is noticeable.

## **DIDACTIC REGULARITY IN THE PROCESS OF EXPERIMENTAL WORK :**

- the effectiveness of the development of high school students research capability is provided by the maximum realization of its components when they advance to culture creation in the sequence of learning situations created at each level of cognitive activity complexity.