

## Summary

**The theme of the final qualifying work:** “Psycho-pedagogical conditions of cognitive activity development of senior preschoolers in the process of experimental activities in the classroom for the formation of ecological concepts”.

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**The relevance of the research** is that the issue of cognitive activity, as individual psychological characteristics of man, is one of the most complicated issues in pedagogy. Creating the necessary conditions for the development of cognitive activity is one of the most important areas of learning and development of children of senior preschool age.

**The aim of the research:** to optimize the process of development of cognitive activity of senior preschool children.

**Object of the research:** cognitive activity of children of preschool age.

**Subject of the research:** psychological and pedagogical conditions of development of cognitive activity of senior preschool children in the experimental activities in the classroom for the formation of ecological concepts.

### **Objectives of the study:**

1) to carry out the analysis of psychological and pedagogical literature on the development of cognitive activity at preschool age;

2) to study the psychological and pedagogical conditions conducive to the development of cognitive activity of preschool children in the experimentation;

3) to develop diagnostic Toolkit for definition of cognitive activity of senior preschool children;

4) to carry out the examination and analysis of cognitive activity of senior preschool children;

5) to work out a program of development of cognitive activity of children of

preschool age by means of experimentation;

6) to identify the effectiveness of the program of development of cognitive activity of senior preschool children in the experimental activities in the classroom for the formation of ecological concepts.

**Theoretical and practical significance of the research:**

- theoretical significance of the research is to identify opportunities for experimental activities that can enhance cognitive activity of children of preschool age;

- practical significance of the research is expressed in the development and testing of educational program aimed at activation of cognitive activity of children of senior preschool age in the course of the experimental activities.

**The results of the study.** Theoretical and methodological analysis and diagnostic study of development of informative sphere of the senior preschool children were performed. Ascertaining phase of the experiment showed that children have difficulty in setting goals, planning their actions with the material, with a focus on results; the cognitive interest is not fully expressed, because children know little about the properties and qualities of the materials of inanimate nature. The program was compiled and tested, contributing to the positive dynamics of development of cognitive activity that is confirmed by data re-identification.

**Psychological and pedagogical conditions:**

1) creation of a subject-spatial environment, including a variety of developing games of ecological content;

2) organization of cognitive activity of children of the senior preschool age, taking into account the zone of the nearest and actual development, as well as the content and forms that design a certain type of consciousness and thinking of preschool children;

3) use of the change of activities (research, modeling, design, experimentation), a variety of interactive forms of organization, mechanisms of individual involvement in the activities of the child, depending on its biological and psychological characteristics;

4) creating a positive atmosphere for the independent activity of the child;

5) active involvement of parents in the development of cognitive activity of children.

**Pedagogical recommendations.**

1. For the development of cognitive activity of the senior preschool children in the process of experimental activities it is necessary to use gaming technology, which includes exercises to develop mental processes (attention, memory, perception, imagination, thinking), aimed at developing abilities to analyze, to compare, to generalize, to classify.

2. In learning of senior preschool children experimenting in the classroom for ecology it is necessary to implement unconventional methods of work, use a variety of games and exercises of environmental orientation, information about the world, securing competence in everyday activities.

3. To inform the parents about the problem of forming of cognitive activity of senior preschool children and use analytical, visual, informational and active forms of interaction through meetings, consultations, open sessions, joint activities.