

## **Organization of Project Work that Forms Small Research Skills of Students in Elementary Mathematics Classes**

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**Abstract:** In the article describing the method of using project work for the development of creative ideas and creative skills, the improvement of knowledge.

**Keywords:** education, research, project, design, technology, teamwork, result.

### **INTRODUCTION**

The development of the public education system in our country is considered a priority. The decree of the President on the state program for the implementation of the development strategy of New Uzbekistan for 2022-2026 in the "year of attention to people and quality education" was adopted. On this basis, in order to provide quality education, it is planned to teach students in the 1st-4th grades of general secondary educational institutions according to the textbooks developed on the basis of advanced foreign experience. It can be seen that one of the factors of improving the quality of education is to improve the methodological support of teaching. Textbooks and instructional manuals are created based on the analysis of best practices of developed countries.

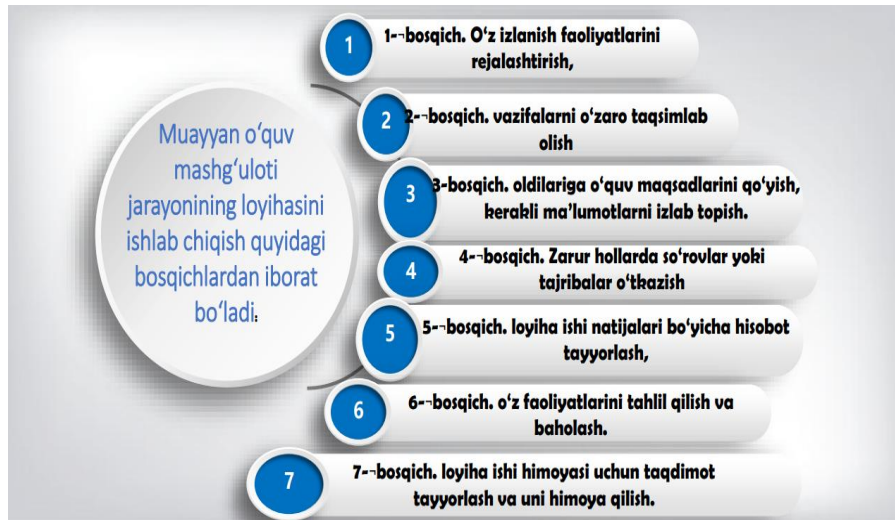
### **LITERATURE ANALYSIS AND METHODOLOGY**

The main idea of design technology is to achieve the desired result in the process of solving a problem of practical or theoretical importance. If it is necessary to design a theoretical problem, its exact solution, if it is a practical problem, it is necessary to develop specific recommendations on the issue of practical application. In order to achieve this result, students must acquire the skills of independent thinking, understand the problem and look for ways to solve it, use their previously acquired knowledge in this regard, conduct research in various fields of science, predict the results to be obtained, It is necessary to develop options in the solution, to imagine causal connections.

### **RESULTS**

Students can work individually or in groups of 3-4 people depending on their interests. It is better to put more emphasis on group work. Project work ends with a defense held at the end of the academic year. The defense can be held in the form of a conference within the framework of one or several academic subjects. Individual or group work of students on the topic of project work may include the following educational activities: planning their research activities, dividing tasks among themselves, setting educational goals, searching for necessary information. to find,

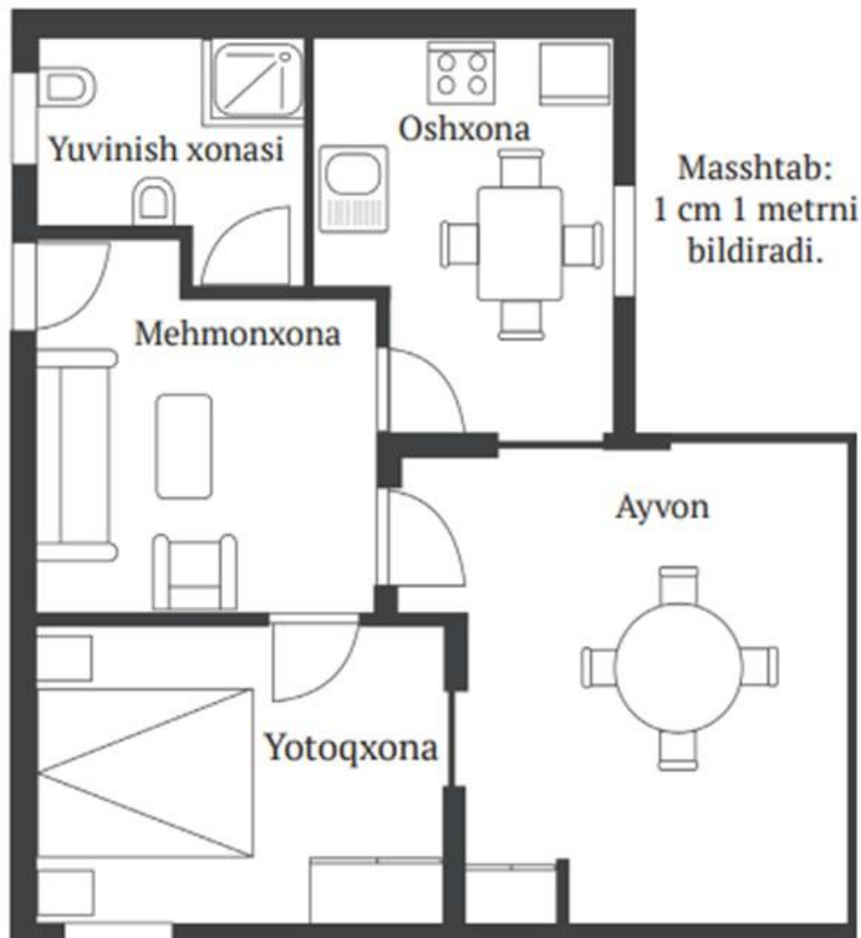
to search for solutions to a problem situation related to the topic, to choose the most appropriate one from them and to justify it, to conduct surveys or experiments if necessary, to prepare a report on the results of the project work, to analyze and evaluate one's own activities, to defend the project work preparing a presentation and defending it.



For students, we will provide sample assignments for project work below

Sample task 1: students are given a task to draw a project of the house where they live.

A sample apartment project is described as follows.



## DISCUSSION

This assignment is intended for 3-4th graders, who can complete this assignment within 7 days. As a result of the experiment, it was observed that students are highly interested in completing this task.

In addition, it is possible to conduct research on the basis of observing the daily attendance of students, and the results of learning in subjects. Below you can see the execution of a sample task of this content.

Sample task 2: express the condition of the problem in the form of a diagram.

Students of the 4-A class of the school divided into 4 groups and played the competition. In the competition, the marks collected by the group members during 4 months (January, February, March, April) were calculated and the group with the highest marks was considered the winner.

The 1st team is Topqirlar team, they scored 84,75,78,65 marks respectively.

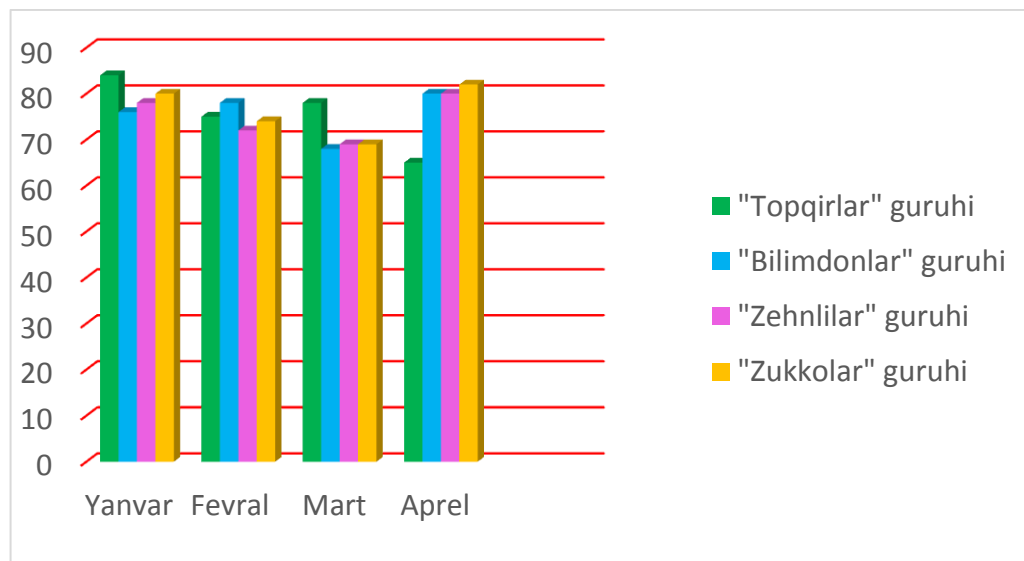
The 2nd team is the Knowledge team and they scored 76, 78, 68, 80 marks respectively.

The 3rd team is the Brainy team, they scored 78, 72, 69, 80 marks respectively.

The 4th team was the Zuccos who scored 80, 74, 69, 82 respectively.

Based on this observation, the results analyzed can be illustrated by a diagram.

Diagram view of the assignment:

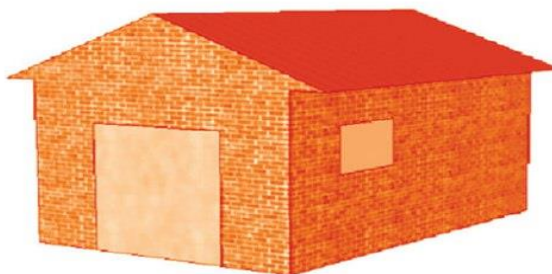


It is important to develop vital competences in the formation of spatial imagination of elementary school students, in the study of various geometric objects. Students are required to understand that different views are created on different planes by observing and drawing the views of buildings.

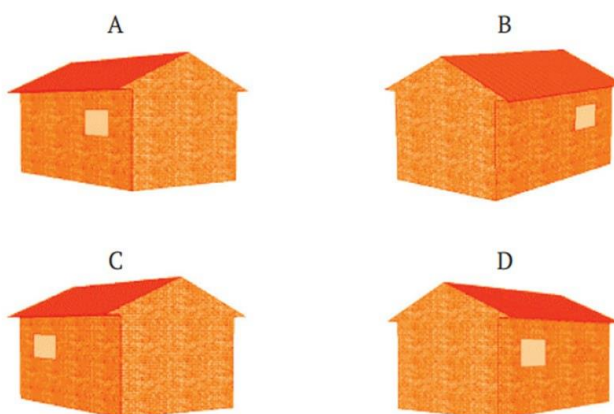
Sample task 3.

## GARAJ

Garaj ishlab chiqaruvchilar asosan bitta eshik va derazasi bo'lgan garaj modellarini tanlashadi. Jahongir bu modellardan quyidagisini tanladi. Garajning derazasi va eshigining joylashuvi quyidagi tasvirda ko'rsatilgan.



Which option shows the view of the selected garage from the other side?



### CONCLUSION

It prepares primary school students to develop their observation, imagination, apply the acquired knowledge to everyday life, perform calculations within the scope of the work, see the results and draw conclusions based on the final reports.

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